

Facility DEC ID: 8264400352

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 8-2644-00352/00002
Effective Date: 08/02/2022 Expiration Date: 08/01/2032

Permit Issued To: XACTIV INC
72 PERINTON PKWY
FAIRPORT, NY 14450

Contact: ALEX MASON
72 Perinton Pkwy
Fairport, NY 14450
(585) 288-7220

Facility: XACTIV INC
72 PERINTON PKWY
PERINTON, NY

Description:

Xactiv, located at 72 Perinton Parkway in the Village of Fairport and Town of Perinton, is applying for an Air State Facility Permit (ASF). Xactiv is a commercial printing facility which specializes in "the precision placement, patterning, and coating of functional active liquids and powders". The facility is not currently covered under a New York State air permit or registration.

The project includes the addition of new equipment for: 1) The modification of an existing coating line, previously used solely for research and development, for use in commercial production. 2) The addition of a new Coating Line in conjunction with the installation of a Regenerative Thermal Oxidizer (RTO) to mitigate emissions and to comply with volatile organic compound (VOC) destruction requirements (under NYCRR 228-1 Surface Coating processes regulations).

Potential to emits (PTE's) greater than or equal to 10 tons of VOC per year from the new and modified coating lines triggered the need for control equipment under NYCRR Title 6, 228-1 (Surface Coating Processes). Since the facility needs to apply a coating that exceeds the VOC content limits at application specified in 228-1.4, the coating process must have control equipment that will have 90% or greater VOC removal efficiency. Xactiv plans to install a Regenerative Thermal Oxidizer (RTO) to manage potential VOCs from these coating lines and to satisfy this regulatory requirement. The RTO will be installed on a ca. 36 foot x 13.3 foot concrete pad adjacent to Xactiv's facility.

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By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: KIMBERLY A MERCHANT
 6274 E AVON LIMA RD
 AVON, NY 14414-9519

Authorized Signature: _____ Date: ___ / ___ / ___

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Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

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DEC GENERAL CONDITIONS
****** General Provisions ******
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:
 The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:
 The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:
 A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:
 Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:
 The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:
 The permittee must submit a renewal application at least 180 days before the expiration of permits for Title V and State Facility Permits.

Item 3.3
 Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department

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Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 5: Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 8 Headquarters
Division of Environmental Permits
6274 Avon-Lima Road
Avon, NY 14414-9519
(585) 226-2466

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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: XACTIV INC
72 PERINTON PKWY
FAIRPORT, NY 14450

Facility: XACTIV INC
72 PERINTON PKWY
PERINTON, NY

Authorized Activity By Standard Industrial Classification Code:
2759 - COMMERCIAL PRINTING, NEC
3679 - ELECTRONIC COMPONENTS, NEC

Permit Effective Date: 08/02/2022

Permit Expiration Date: 08/01/2032

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FINAL **FEDERALLY ENFORCEABLE CONDITIONS**
**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Sealing - 6 NYCRR 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Item C: Maintenance of Equipment - 6 NYCRR 200.7

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

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Item D: Unpermitted Emission Sources - 6 NYCRR 201-1.2

(a) Except as otherwise provided by this Part, construction or operation of a new, modified or existing air contamination source without a registration or permit issued pursuant to this Part is prohibited.

(b) If an existing facility or emission source was subject to the permitting requirements of this Part at the time of construction or modification, and the owner or operator failed to apply for a permit or registration as described in this Part, the owner or operator must apply for a permit or registration in accordance with the provisions of this Part. The facility or emission source is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing emission sources.

Item E: Recycling and Salvage - 6 NYCRR 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item F: Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Item G: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item H: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)

The owner and/or operator of an emission source or unit

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that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item I: Required Emission Tests - 6 NYCRR 202-1.1

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.

Item J: Open Fires Prohibitions - 6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item K: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item L: Federally Enforceable Requirements - 40 CFR 70.6 (b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to

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emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: Visible Emissions Limited
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable Federal Requirement:6 NYCRR 211.2

Item 1.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 2: Compliance Demonstration
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable Federal Requirement:6 NYCRR 212-2.4 (b)

Item 2.1:

The Compliance Demonstration activity will be performed for the facility:
 The Compliance Demonstration applies to:

Emission Unit: X--0001

Emission Unit: X--0002

Regulated Contaminant(s):
 CAS No: 0NY075-00-0 PARTICULATES

Item 2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions from any process emission source for which an application was received by the department after July 1, 1973 are restricted as follows:

No facility owner or operator shall cause or allow emissions of particulate that exceed 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis, except in instances where

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determination of permissible emission rate using process weight for a specific source category emitting solid particulate is based upon Table 5 and Table 6 of Subdivisions 212-2.5(a) and (b) of this Part.

Parameter Monitored: PARTICULATES
 Upper Permit Limit: 0.050 grains per dscf
 Reference Test Method: USEPA Reference Test Method 5
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 3: Compliance Demonstration
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable Federal Requirement: 6 NYCRR 228-1.3 (a)

Item 3.1:

The Compliance Demonstration activity will be performed for the facility:
 The Compliance Demonstration applies to:

Emission Unit: X--0001 Emission Point: EFRTO

Emission Unit: X--0002 Emission Point: EF-14

Regulated Contaminant(s):
 CAS No: 0NY075-00-0 PARTICULATES

Item 3.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance will be determined by conducting daily observations of visible emissions from the emission unit, process, etc. to which this condition applies. The observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow). Observations must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of emission point
- weather condition
- was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry. If the operator

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observes any visible emissions (other than steam – see below) the permittee will immediately investigate any such occurrence and take corrective action, as necessary, to reduce or eliminate the emissions. If visible emissions persist after corrections are made, the permittee will immediately notify the department and may be required to conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 4: Surface Coating- Prohibitions
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable Federal Requirement:6 NYCRR 228-1.3 (c)

Item 4.1:

This Condition applies to:

Emission Unit: X-0001

Emission Unit: X-0002

Item 4.2:

(1) No person shall sell, supply, offer for sale, solicit, use, specify, or require for use, the application of a coating on a part or product at a facility with a coating line described in Subpart 228-1.1(a) if such sale, specification, or use is prohibited by any of the provisions of this Subpart. The prohibition shall apply to all written or oral contracts under the terms of which any

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coating is to be applied to any part or product at an affected facility. This prohibition shall not apply to the following:

(i) coatings utilized at surface coating lines where control equipment has been installed to meet the maximum permitted VOC content limitations specified in the tables of Subpart 228-1.4;

(ii) coatings utilized at surface coating lines where a coating system is used which meets the requirements specified in Subpart 228-1.5(d); and

(iii) coatings utilized at surface coating lines that have been granted variances pursuant to Subpart 228-1.5(e).

(2) Any person selling a coating for use in a coating line subject to Subpart 228-1 must, upon request, provide the user with certification of the VOC content of the coating supplied.

Condition 5: Compliance Demonstration
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable Federal Requirement: 6 NYCRR 228-1.3 (d)

Item 5.1:

The Compliance Demonstration activity will be performed for the facility:
 The Compliance Demonstration applies to:

Emission Unit: X--0001

Emission Unit: X--0002

Item 5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within the work area(s) associated with a coating line, the owner or operator of an emission source subject to the requirements of 6 NYCRR Part 228 must:

(a) Use closed, non-leaking containers to store or dispose of cloth or other absorbent applicators impregnated with VOC solvents that are used for surface preparation, cleanup or coating removal;

(b) Store in closed, non-leaking containers spent or fresh VOC solvents to be used for surface preparation, cleanup or coating removal;

(c) Not use VOC solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize VOC evaporation;

(d) Not use open containers to store or dispense surface coatings and/or inks unless production, sampling, maintenance or inspection procedures require operational

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access. This provision does not apply to the actual device or equipment designed for the purpose of applying a coating material to a substrate. These devices may include, but are not limited to spray guns, flow coaters, dip tanks, rollers, knife coaters, and extrusion coaters;

(e) Not use open containers to store or dispose of spent surface coatings, or spent VOC solvents;

(f) Minimize spills during the handling and transfer of coatings and VOC solvents; and

(g) Clean hand held spray guns by one of the following:

(1) an enclosed spray gun cleaning system that is kept closed when not in use;

(2) non-atomized discharge of VOC solvent into a paint waste container that is kept closed when not in use;

(3) disassembling and cleaning of the spray gun in a vat that is kept closed when not in use; or

(4) atomized spray into a paint waste container that is fitted with a device designed to capture atomized VOC solvent emissions.

Open containers, if found, shall be covered and such deviations shall be noted in a log maintained in the operating area. The log shall include the following information:

- date and time of observation
- description of observed deviation from this permit condition
- corrective measures taken, if necessary

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2023.

Subsequent reports are due every 12 calendar month(s).

Condition 6: Surface coating access for sampling
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable Federal Requirement:6 NYCRR 228-1.6 (c)

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Item 6.1:

Representatives of the department must be permitted on the facility owner's property, during reasonable business hours, to obtain coating samples for the purpose of determining compliance with the requirements of 6 NYCRR Part 228-1.

Condition 7: Compliance Demonstration
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable Federal Requirement:6 NYCRR 228-1.6 (h)

Item 7.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: X--0001

Emission Unit: X--0002

Item 7.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any information or record showing noncompliance with the requirements of 228-1 'Surface Coating Processes' must be reported to the department within 30 days following notice or generation of the information or record. All records required by this condition must be maintained at the facility for a period of five years.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**** Emission Unit Level ****

Condition 8: Compliance Demonstration
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable Federal Requirement:6 NYCRR Subpart 228-1

Item 8.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: X--0001

Item 8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

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The two coating lines included in Emission Unit X-0001 will be equipped each with a permanent total enclosure to ensure VOC capture efficiency to the RTO. Pressure drop across the enclosures shall be monitored and recorded daily. The pressure drop must be at least 0.007 inches of water, as established pursuant to Method 204 of Appendix M to 40 CFR Part 51. The facility must meet the operating limit at all times coatings are being applied.

Daily pressure drop records shall be maintained at the facility for a period of at least five (5) years and made available to the Department upon request.

Parameter Monitored: PRESSURE DROP

Lower Permit Limit: .007 inches of water

Reference Test Method: EPA Method 204 - 40 CFR 51 Appendix M

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 9: Compliance Demonstration
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable Federal Requirement: 6 NYCRR 228-1.3 (b) (1)

Item 9.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: X--0001

Emission Unit: X--0002

Item 9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an emission source subject to 6 NYCRR Part 228-1 must maintain the following records in a format acceptable to the department for a period of at least five years:

1. A certification from the coating supplier or manufacturer which lists the parameters used to determine the actual VOC content of each as applied coating used at the facility.
2. Purchase, usage and/or production records of each coating material, including solvents.
3. Records identifying each air cleaning device that has

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an overall removal efficiency of at least 90 percent.

4. Records verifying each parameter used to calculate the overall removal efficiency, as described in Equation 2 of Section 228-1.5(c), if applicable.

5. Any additional information required to determine compliance with Part 228-1.

Upon request, the owner or operator of an emission source subject to 6 NYCRR Part 228-1 must submit a copy of the records kept in accordance with this condition to the department within 90 days of receipt of the request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 10: Compliance Demonstration
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable Federal Requirement: 6 NYCRR 228-1.5 (c)

Item 10.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: X--0001

Regulated Contaminant(s):
 CAS No: 0NY998-00-0 VOC

Item 10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The overall removal efficiency of an air cleaning device used as a control strategy must be determined, for every surface coating formulation, on a solids as applied basis using Equation 2 unless a 90 percent or greater overall removal efficiency is achieved by the air cleaning device as determined by Equation 2 presented under an Optional Condition.

As per 6 NYCRR 228-1.3(b)(1), a facility owner or operator must maintain a record that identifies each air cleaning device that has an overall removal efficiency of at least 90 percent. Any additional information required to determine compliance with this Part must be provided to the department in a format acceptable to the department. All records required by this condition must be maintained

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at the facility for a period of five years.

Parameter Monitored: VOC

Lower Permit Limit: 90 percent degree of air cleaning or
greater

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 11: Compliance Demonstration
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable Federal Requirement:6 NYCRR 228-1.6 (a)

Item 11.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: X--0001

Emission Unit: X--0002

Item 11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Upon request by the Department, the owner or operator of an emission source subject to 6 NYCRR Part 228-1 must determine the actual VOC content of an as applied coating by measuring the volatile content, water content, density, volume of solids, and weight of solids in accordance with EPA Reference Test Method 311 or Method 24, included in Appendix A of 40 CFR parts 63 and 60 respectively, to demonstrate compliance with the requirements of Part 228-1.

An alternate sampling method that has been approved by both the Department and the Administrator may be used when Method 311 and/or Method 24 are not appropriate.

Reference Test Method: EPA Reference Test Method 311 or 24

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 12: Overall Removal Efficiency
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable Federal Requirement:6 NYCRR 228-1.6 (d)

Item 12.1:

This Condition applies to Emission Unit: X--0001

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Item 12.2:

When an owner and/or operator of a coating line utilizes control equipment to comply with permit requirements or regulations, test methods acceptable to the department must be used to determine the overall removal efficiency during a required performance test.

(1) The overall removal efficiency may be made by directly measuring VOC/solvent recovery and VOC/solvent usage rates where VOC/solvent recovery is the only control equipment.

(2) For any control equipment other than VOC/solvent recovery, this determination must include provisions to determine both the efficiency of the capture system and the control equipment. The approved VOC CE test methods are contained Part 228-1.6(d)(2) Table 'Approved VOC CE Test Methods'. Test methods 204 through 204F (M204 - M204F) are included in Appendix M of 40 CFR part 51 (see table 1, Section 200.9 of this Title). When the sampling and analysis methods by this paragraph are not applicable, alternate sampling and analysis methods can be used, subject to the approval of the department and the administrator.

(3) Alternative CE protocols and test methods may be allowed if the data quality objective approach or lower confidence limit approach requirements are met in conjunction with the additional criteria set forth in the EPA guidance document entitled Guidelines for Determining Capture Efficiency (see table 1, Section 200.9 of Title III). The alternative CE protocols and test methods must be approved in advance by the department. Also, the multiple line testing procedures outlined in the above guidance document can be used to determine CE if the applicable criteria are satisfied. The multiple line testing CE protocols and test methods must be approved in advance by the department.

Condition 13: VOC content of gas stream test methods
Effective between the dates of 08/02/2022 and 08/01/2032**Applicable Federal Requirement: 6 NYCRR 228-1.6 (e)****Item 13.1:**

This Condition applies to Emission Unit: X--0001

Item 13.2:

The owner and/or operator of a surface coating line must follow the applicable notification requirements, protocol requirements, and test procedures of 6 NYCRR Part 202 for testing and monitoring. Depending on the conditions at the test site, one of the following methods from Appendix A of 40 CFR Part 60 (see Table 1 of 6 NYCRR Part 200.9) must be used when measuring the VOC content of a gas stream at the inlet and outlet of a control device to determine the destruction and/or removal efficiency:

(1) Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography;

(2) Method 25, Determination of Total Gaseous Organic Emissions as Carbon; or

(3) Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer.

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When the sampling and analysis methods required by this condition are not applicable, alternate sampling and analysis methods can be used, subject to the approval of the department.

Condition 14: Compliance Demonstration
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable Federal Requirement: 6 NYCRR 228-1.5 (b)

Item 14.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: X--0001
 Process: SCP

Item 14.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

A stack test approved by the Department conducted in accordance with the test methods under 6 NYCRR 226-2.6(e) as specified elsewhere in this permit must be performed within 180 days of RTO startup.

The testing protocol shall be submitted to the Department a minimum of 30 days before testing takes place. The final testing report shall be submitted to the Department no later than 60 days after testing takes place.

The stack test shall assess the control of VOCs in the RTO. The test shall be repeated once every 10 years after that point. The stack test must show a total overall VOC removal efficiency of at least 90%.

The stack test will also be used to determine optimal operating temperature for VOC destruction. If the minimum necessary operating temperature is found to be higher than the preliminary 1,400 degrees F, a permit modification application shall be submitted to the Department to update the temperature monitoring condition.

Parameter Monitored: DESTRUCTION EFFICIENCY

Lower Permit Limit: 90 percent

Reference Test Method: 40 CFR Appendix A

Monitoring Frequency: ONCE EVERY TEN YEARS

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
 VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 15: Compliance Demonstration

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Effective between the dates of 08/02/2022 and 08/01/2032

Applicable Federal Requirement:6 NYCRR 228-1.5 (b)

Item 15.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: X--0001

Process: SCP

Item 15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The facility owner or operator shall assure that RTO operations comply with a minimum 90 percent overall VOC removal efficiency by continuously monitoring and maintaining the operating temperature at a minimum of 1,400 °F. This temperature shall be monitored and recorded as 1-hour block averages and the records kept for a minimum of five (5) years.

In the event of a malfunction or shutdown of the RTO, the facility owner or operator shall notify the Department as soon as possible during normal working hours, but not later than five working days after becoming aware that the malfunction/shutdown occurred. The facility owner or operator shall keep record of the date, time and duration the RTO was not in operation for a period of at least five (5) years. If requested by the Department, the facility owner or operator shall submit a written report to the Department describing the malfunction/shutdown and the corrective action taken.

Manufacturer Name/Model Number: TANN Corporation Model TR592

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1400 degrees Fahrenheit

Upper Permit Limit: 1700 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR BLOCK AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 16: Compliance Demonstration

Effective between the dates of 08/02/2022 and 08/01/2032

Applicable Federal Requirement:6 NYCRR 228-1.5 (b)

Item 16.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: X--0001

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Facility DEC ID: 8264400352

Process: SCP

Item 16.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To assure 90% control efficiency of VOCs as required by 6 NYCRR Part 228-1.5(b), the facility owner or operator shall maintain and operate the RTO in a satisfactory state of maintenance and repair as described in the Operating and/or Maintenance instructions and manuals provided with the equipment.

The facility owner or operator shall maintain records of RTO operating temperature and hours run. These records must be kept for a minimum period of five (5) years and made available to the Department upon request.

In the event of a malfunction or shutdown of the RTO, the facility owner or operator shall notify the Department as soon as possible during normal working hours, but not later than five working days after becoming aware that the malfunction/shutdown occurred. The facility owner or operator shall keep a record of the date, time, duration, and reason for malfunction/shutdown that RTO was not in operation. Corrective actions taken to remedy the shutdown/malfunction shall be noted. These records shall be maintained for a period of at least five (5) years.

If requested by the Department, the facility owner or operator shall submit a written report to the Department describing the malfunction/shutdown and the corrective action taken.

Manufacturer Name/Model Number: TANN Corporation Model TR592

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined in 6 NYCRR subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) an emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;

(2) the equipment at the facility was being properly operated and maintained;

(3) during the period of the emergency the facility owner or operator took all reasonable steps to minimize the levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) the facility owner or operator notified the department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.

(b) In any enforcement proceeding, the facility owner or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or malfunction provision contained in any applicable requirement.

Item B: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records.

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Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

Item C: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 17: Contaminant List

Effective between the dates of 08/02/2022 and 08/01/2032

Applicable State Requirement:ECL 19-0301

Item 17.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 0NY075-00-0
Name: PARTICULATES

CAS No: 0NY998-00-0
Name: VOC

Condition 18: Malfunctions and Start-up/Shutdown Activities

Effective between the dates of 08/02/2022 and 08/01/2032

Applicable State Requirement:6 NYCRR 201-1.4

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Item 18.1:

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment maintenance and start-up/shutdown activities when they are expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when required by a permit condition or upon request by the department. Such reports shall state whether an exceedance occurred and if it was unavoidable, include the time, frequency and duration of the exceedance, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous monitoring and quarterly reporting requirements need not submit additional reports of exceedances to the department.

(c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. Such records shall be maintained at the facility for a period of at least five years and must be made available to the department upon request. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, the air contaminants emitted, and the resulting emission rates and/or opacity.

(d) The department may also require the facility owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 19: Emission Unit Definition
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 19.1:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: X--0001

Emission Unit Description:

This emission unit includes two (2) coating lines that exhaust through an RTO to one (1) emission point. Emissions are generated during coating.

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Building(s): XACTIV

Item 19.2:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: X--0002

Emission Unit Description:

This emission unit includes two (2) mixing hoods that exhaust to one (1) emission point. Emissions are generated during the mixing of inks.

Building(s): XACTIV

Item 19.3:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: X--0003

Emission Unit Description:

This emission unit includes ovens that exhaust to one (1) emission point. Emissions are generated during the curing of the coatings in the ovens.

Building(s): XACTIV

Item 19.4:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: X--0IPP

Emission Unit Description:

This emission unit includes six (6) inkjet printers that apply ink to a fabric and then dry the ink with an attached dryer or heat plate. The printers exhaust to five (5) emission points.

Building(s): XACTIV

Condition 20: Renewal deadlines for state facility permits
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable State Requirement:6 NYCRR 201-5.2 (c)

Item 20.1:

The owner or operator of a facility having an issued state facility permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Condition 21: CLCPA Applicability
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable State Requirement:6 NYCRR 201-5.3 (c)

Item 21.1:

Pursuant to The New York State Climate Leadership and Community Protection Act (CLCPA)

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and Article 75 of the Environmental Conservation Law, emission sources shall comply with regulations to be promulgated by the Department to ensure that by 2030 statewide greenhouse gas emissions are reduced by 40% of 1990 levels, and by 2050 statewide greenhouse gas emissions are reduced by 85% of 1990 levels.

Condition 22: Compliance Demonstration
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable State Requirement:6 NYCRR 201-5.3 (c)

Item 22.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 22.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

Division of Air Resources
NYS Dept. of Environmental Conservation
Region 8
6274 East Avon-Lima Rd.
Avon, NY 14414

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 23: Air pollution prohibited
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable State Requirement:6 NYCRR 211.1

Item 23.1:
No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

**** Emission Unit Level ****

Condition 24: Emission Point Definition By Emission Unit
Effective between the dates of 08/02/2022 and 08/01/2032

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Applicable State Requirement:6 NYCRR Subpart 201-5

Item 24.1:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: X--0001

Emission Point: EFRTO

Height (ft.): 30 Diameter (in.): 24
 NYTMN (km.): 4773.921 NYTME (km.): 305.369 Building: XACTIV

Item 24.2:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: X--0002

Emission Point: EF-14

Height (ft.): 22 Length (in.): 14 Width (in.): 14
 NYTMN (km.): 4773.945 NYTME (km.): 305.327 Building: XACTIV

Item 24.3:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: X--0003

Emission Point: EF-11

Height (ft.): 22 Length (in.): 13 Width (in.): 13
 NYTMN (km.): 4773.964 NYTME (km.): 305.331 Building: XACTIV

Emission Point: EF-12

Height (ft.): 22 Length (in.): 16 Width (in.): 16
 NYTMN (km.): 4773.987 NYTME (km.): 305.331 Building: XACTIV

Emission Point: EF-13

Height (ft.): 21 Diameter (in.): 16
 NYTMN (km.): 4773.986 NYTME (km.): 305.333 Building: XACTIV

Item 24.4:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: X--0IPP

Emission Point: EF-02

Height (ft.): 22 Length (in.): 11 Width (in.): 11
 NYTMN (km.): 4773.953 NYTME (km.): 305.341 Building: XACTIV

Emission Point: EF-03

Height (ft.): 22 Length (in.): 15 Width (in.): 15
 NYTMN (km.): 4773.953 NYTME (km.): 305.339 Building: XACTIV

Emission Point: EF-1C

Height (ft.): 22 Length (in.): 15 Width (in.): 15

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NYTMN (km.): 4773.93 NYTME (km.): 305.332 Building: XACTIV

Emission Point: EF-1D

Height (ft.): 22 Length (in.): 12 Width (in.): 12

NYTMN (km.): 4773.93 NYTME (km.): 305.332 Building: XACTIV

Condition 25: Process Definition By Emission Unit
Effective between the dates of 08/02/2022 and 08/01/2032

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 25.1:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: X--0001

Process: SCP

Source Classification Code: 4-02-043-30

Process Description:

This process includes two (2) coating line machines that apply coatings to fabric rolls. Coating Line 1 historically used aqueous coatings which do not exceed the VOC limit and exhausted through XEF-5. This exhaust will be moved and connected to the proposed RTO as XACTIV intends to run more than 50% coatings that exceed the specific VOC content limits. Coating Line 2 is anticipated to run 100% coatings exceeding the specified VOC content limits and will exhaust through the RTO. The RTO is designed to handle 5,000 SCFM with an effective VOC destruction efficiency of 98%.

Emission Source/Control: C-RTO - Control

Control Type: THERMAL OXIDATION

Emission Source/Control: CL-01 - Process

Emission Source/Control: CL-02 - Process

Item 25.2:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: X--0002

Process: IMP

Source Classification Code: 3-01-020-05

Process Description:

This is an ink mixing process. Pigments and other chemicals are mixed together under exhaust hoods with exhaust outside.

Emission Source/Control: MR-01 - Process

Emission Source/Control: MR-02 - Process

Item 25.3:

This permit authorizes the following regulated processes for the cited Emission Unit:

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Emission Unit: X--0003

Process: CCP

Source Classification Code: 4-02-043-30

Process Description:

This process is where hand-applied coatings are cured. The coated fabrics are placed in the ovens to cure for quality control purposes.

Emission Source/Control: 00KTD - Process

Emission Source/Control: 06FUR - Process

Emission Source/Control: BPOPO - Process

Emission Source/Control: DOLCC - Process

Emission Source/Control: DORFD - Process

Emission Source/Control: X1100 - Process

Item 25.4:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: X--0IPP

Process: IPP

Source Classification Code: 4-02-043-30

Process Description:

This process includes six (6) inkjet printers that exhaust to five (5) emission points. Emissions are generated during printing and cleaning operations. Cleaning materials are applied manually with lint free rags and spent solvent soaked rags are stored in a closed container prior to disposal.

Emission Source/Control: P-001 - Process

Emission Source/Control: P-002 - Process

Emission Source/Control: P-003 - Process

Emission Source/Control: P-004 - Process

Emission Source/Control: P-005 - Process

Emission Source/Control: P-006 - Process

Permit ID: 8-2644-00352/00002

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