



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: July 19, 2021

Effective Date: August 1, 2021

Expiration Date: July 31, 2026

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 38-05041

Federal Tax Id - Plant Code: 39-1396585-2

Owner Information

Name: AMCOR FLEXIBLES NORTH AMER INC
Mailing Address: 5 KEYSTONE DR
LEBANON VALLEY BUSINESS PARK
LEBANON, PA 17042-9791

Plant Information

Plant: AMCOR FLEXIBLES NORTH AMER INC/LEBANON
Location: 38 Lebanon County 38921 South Lebanon Township
SIC Code: 2671 Manufacturing - Paper Coated And Laminated, Packaging

Responsible Official

Name: NEAL NICASTRO
Title: PLANT MGR
Phone: (717) 279 - 5024 Email: Neal.Nicastro@amcor.com

Permit Contact Person

Name: CHARLES HEIZENROTH
Title: EHS MANAGER
Phone: (570) 501 - 1426 Email: Charles.heizenroth@amcor.com

[Signature] _____
WILLIAM R. WEAVER, SOUTH CENTRAL REGION AIR PROGRAM MANAGER



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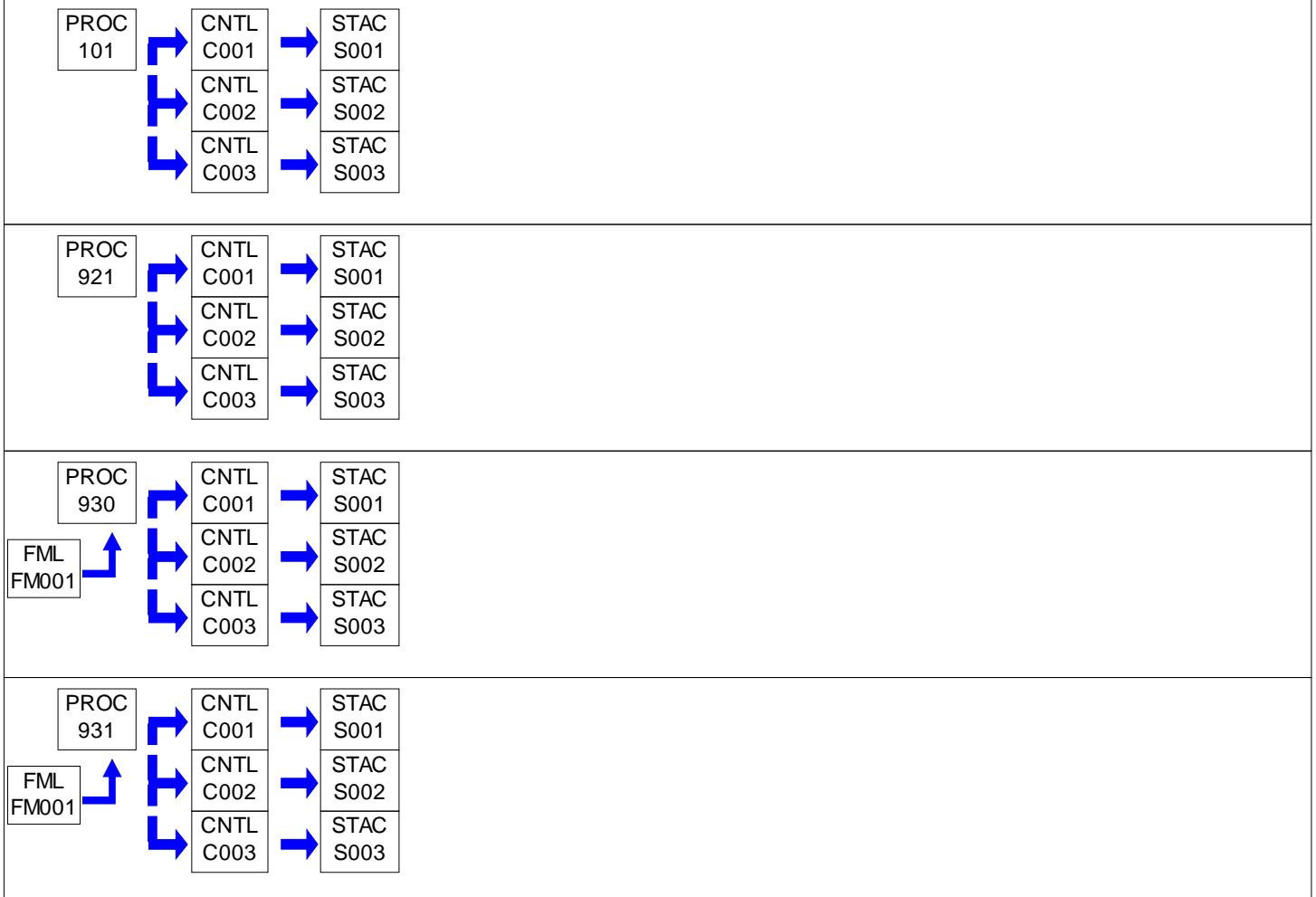
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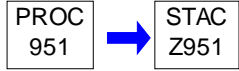
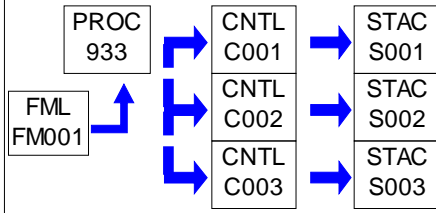
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| Source ID | Source Name | Capacity/Throughput | Fuel/Material |
|-----------|-------------------------------------|---------------------|---------------|
| 101 | DEGREASING OPERATIONS | 5.000 Lbs/HR | VOC |
| 921 | WIDE-WEB FLEXOGRAPHIC PRESS | 330.000 Lbs/HR | VOC |
| 930 | 10 COLOR GRAVURE PRINTING PRESS | 405.000 Lbs/HR | VOC |
| 931 | ROTOGRAVURE PRINTING PRESS | 750.000 Lbs/HR | VOC |
| 933 | ROTOGRAVURE PRINTING PRESS 933 | 1,545.000 Lbs/HR | VOC |
| 951 | WAX COATER 951 | 0.980 Lbs/HR | VOC |
| C001 | REGENERATIVE THERMAL OXIDIZER (RTO) | | |
| C002 | REGENERATIVE THERMAL OXIDIZER (RTO) | | |
| C003 | REGENERATIVE THERMAL OXIDIZER (RTO) | | |
| FM001 | NATURAL GAS SUPPLY | | |
| S001 | RTO STACK | | |
| S002 | RTO STACK | | |
| S003 | RTO STACK | | |
| Z951 | FUGITIVE EMISSIONS (WAX COATER 951) | | |

PERMIT MAPS

PERMIT MAPS

**SECTION B. General Title V Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the act.

#003 [25 Pa. Code § 127.512(c)(4)]**Property Rights**

This permit does not convey property rights of any sort, or any exclusive privileges.

#004 [25 Pa. Code § 127.446(a) and (c)]**Permit Expiration**

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e), 127.503 & 127.704(b)]**Permit Renewal**

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]**Transfer of Ownership or Operational Control**

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

(1) The Department determines that no other change in the permit is necessary;

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,

(3) A compliance review form has been submitted to the Department and the permit transfer has been approved by

**SECTION B. General Title V Requirements**

the Department.

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]**Inspection and Entry**

(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
- (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]**Compliance Requirements**

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

#009 [25 Pa. Code § 127.512(c)(2)]**Need to Halt or Reduce Activity Not a Defense**

It shall not be a defense for a 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 this permit.

**SECTION B. General Title V Requirements****#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]****Duty to Provide Information**

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]**Reopening and Revising the Title V Permit for Cause**

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#012 [25 Pa. Code § 127.543]**Reopening a Title V Permit for Cause by EPA**

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

#013 [25 Pa. Code § 127.522(a)]**Operating Permit Application Review by the EPA**

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

**SECTION B. General Title V Requirements****#014 [25 Pa. Code § 127.541]****Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#015 [25 Pa. Code §§ 121.1 & 127.462]**Minor Operating Permit Modifications**

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#016 [25 Pa. Code § 127.450]**Administrative Operating Permit Amendments**

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

#017 [25 Pa. Code § 127.512(b)]**Severability Clause**

The provisions of this permit are severable, and if any provision of this permit is determined by the Environmental Hearing Board or a court of competent jurisdiction, or US EPA to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]**Fee Payment**

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

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(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.

(1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.

(2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.

(3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

#019 [25 Pa. Code §§ 127.14(b) & 127.449]**Authorization for De Minimis Emission Increases**

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

The Department may disapprove or condition de minimis emission increases at any time.

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

**SECTION B. General Title V Requirements**

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

(5) Laboratory equipment used exclusively for chemical or physical analysis.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#020 [25 Pa. Code §§ 127.11a & 127.215]**Reactivation of Sources**

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#021 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the

**SECTION B. General Title V Requirements**

phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]**Submissions**

(a) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the permit transmittal letter, or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch
Air Section
1650 Arch Street, 3ED21
Philadelphia, PA 19103

The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]**Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#024 [25 Pa. Code § 127.513]**Compliance Certification**

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of

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the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

#025 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of the required monitoring data and supporting information for at least five (5) years from the date of the monitoring sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

#026 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]**Reporting Requirements**

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

**SECTION B. General Title V Requirements****#027 [25 Pa. Code § 127.3]****Operational Flexibility**

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]**Risk Management**

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
 - (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
- (2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

**SECTION B. General Title V Requirements**

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#029 [25 Pa. Code § 127.512(e)]**Approved Economic Incentives and Emission Trading Programs**

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]**Permit Shield**

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

#031 [25 Pa. Code §135.3]**Reporting**

(a) The permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

#032 [25 Pa. Code §135.4]**Report Format**

Emissions reports shall contain sufficient information to enable the Department to complete its emission inventory. Emissions reports shall be made by the source owner or operator in a format specified by the Department.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

(a) The permittee may not allow the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving, and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from the use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Sources and classes of sources other than those identified in (a)(1)-(a)(6), above, for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (i) The emissions are of minor significance with respect to causing air pollution; and
 - (ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

002 [25 Pa. Code §123.2]**Fugitive particulate matter**

The permittee may not allow the emission of fugitive particulate matter into the outdoor atmosphere from a source specified in Section C, Condition #001, if the emissions are visible at the point the emissions pass outside the permittee's property.

003 [25 Pa. Code §123.31]**Limitations**

The permittee may not allow the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the permittee's property.

004 [25 Pa. Code §123.41]**Limitations**

The permittee may not allow the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (1) Equal to or greater than 20% for a period or periods aggregating more than three (3) minutes in any one hour.
- (2) Equal to or greater than 60% at any time.

005 [25 Pa. Code §123.42]**Exceptions**

The emission limitation of 25 Pa. Code Section 123.41, shall not apply when:

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) The emission results from sources specified in Section C, Condition #001, subsections (a)(1)-(a)(7).

**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the facility's total actual emissions below the following levels:

- (a) 100 tons/year of sulfur oxides
- (b) 100 tons/year of nitrogen oxides
- (c) 100 tons/year of carbon monoxide
- (d) 100 tons/year of PM-10 (particulate matter with an effective aerodynamic diameter of less than or equal to a nominal 10 micrometer body as measured by the applicable reference method or an equal method)
- (e) 10 tons/year of any individual hazardous air pollutant
- (f) 25 tons/year of total combined hazardous air pollutants

The above emission limits are based upon a 12-month rolling average and apply to each consecutive 12-month period. Compliance verification requires emissions to be calculated for each month and each consecutive 12-month period. Calculation records shall be maintained on-site for the most recent five-year period and made available to Department representatives upon request.

007 [25 Pa. Code §129.14]**Open burning operations**

(a) The permittee may not allow open burning of materials in such a manner that:

- (1) The emissions are visible, at any time, at the point such emissions pass outside the permittee's property.
- (2) Malodorous air contaminants from the open burning are detectable outside the permittee's property.
- (3) The emissions interfere with the reasonable enjoyment of life and property.
- (4) The emissions cause damage to vegetation or property.
- (5) The emissions are or may be deleterious to human or animal health.

(b) Exceptions. The requirements of Subsection (a) do not apply where the open burning operations result from:

- (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public official.
- (2) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (4) A fire set solely for recreational or ceremonial purposes.
- (5) A fire set solely for cooking food.

(c) This permit does not constitute authorization to burn solid waste pursuant to section 610 (3) of the Solid Waste Management Act. 35 PS Section 6018.610 (3) or any other provision of the Solid Waste Management Act.



SECTION C. Site Level Requirements

II. TESTING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Any performance testing is to be conducted in accordance with 25 Pa Code Chapter 139 and the latest revision of the Department's Source Testing Manual.

- (a) Pursuant to 25 Pa. Code § 139.3 at least 90 calendar days prior to commencing an emissions testing program, the permittee shall submit a test protocol to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (b) Pursuant to 25 Pa. Code § 139.3 at least 15 calendar days prior to commencing an emission testing program, the permittee shall notify the appropriate Regional Office and the Division of Source Testing and Monitoring of the date and time of the performance test. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.
- (c) Pursuant to 25 Pa. Code Section 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.
- (d) Pursuant to 40 CFR Part 60.8(a), 40 CFR Part 61.13(f), and 40 CFR Part 63.7(g), the permittee shall submit copies of the completed test reports to the Department no later than 60 calendar days after completion of the on-site testing portion of the emission test program. For those tests being conducted pursuant to 40 CFR Part 61, the permittee shall submit copies of the completed test report to the Department within 31 days after completion of the test.
- (e) Pursuant to 25 Pa. Code Section 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:
1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
 2. Permit number(s) and condition(s) which are the basis for the evaluation.
 3. Summary of results with respect to each applicable permit condition.
 4. Statement of compliance or non-compliance with each applicable permit condition.
- (f) Pursuant to 25 Pa. Code § 139.3 all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (g) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.
- (h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS* Online available through <https://www.depgreenport.state.pa.us/ecomm/Login.jsp> when it becomes available. If internet submittal can not be accomplished, two (2) copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks. In like manner, one (1) copy shall also be sent to the appropriate regional office.
- (i) The permittee shall insure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

**SECTION C. Site Level Requirements****# 009 [25 Pa. Code §139.1]****Sampling facilities.**

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such sources. In the request, the Department will set forth the time period in which the facilities shall be provided as well as the specifications for such facilities.

III. MONITORING REQUIREMENTS.**# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (1) A device approved by the Department and maintained to provide accurate opacity measurements.
- (2) Observers, trained and certified in EPA Method 9 to measure plume opacity with the naked eye or with the aid of any device(s) approved by the Department.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall conduct a weekly inspection around the plant periphery during daylight hours when the plant is in production to detect visible stack emissions, visible emissions leaving the premises and odorous air emissions as follows:

- (a) Stack emissions in excess of the limits stated in Section C, Condition 004. Visible stack emissions may be measured according to the methods specified in Section C, Condition 010, or alternatively, plant personnel who observe visible stack emissions may report the incidence of visible stack emissions to the Department within two (2) hours of the incident and make arrangements for a certified observer to measure the visible stack emissions.
- (b) The presence of visible emissions beyond the plant boundaries as stated in Section C, Condition 002.
- (c) The presence of odorous air emissions beyond the plant boundaries as stated in Section C, Condition 003.

IV. RECORDKEEPING REQUIREMENTS.**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall provide the following information to obtain credit for VOC contained in waste inks, coatings, solvents or mixtures sent off-site for recycling or incineration at a legally permitted facility:

- (a) amount of each VOC-containing waste stream shipped from the facility
- (b) waste profile or sampling data from the waste disposal company indicating each waste stream's VOC content

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records of weekly inspections conducted in accordance with Section C, Condition 011. At a minimum, these records shall include the following information:

- (a) The name of the company representative conducting each inspection.
- (b) The date and time of each inspection.
- (c) The wind direction during each inspection.
- (d) A description of the emissions and/or malodors observed and the actions taken to mitigate them.
The permittee shall maintain these records for a minimum of five years and shall make them available to Department representatives upon request.

**SECTION C. Site Level Requirements****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Manufacturer's data sheets, Material Safety Data Sheets or supplier's certification of VOC content by weight for all inks, coatings, solvents and other materials containing VOC used at the facility within the most recent five years shall be maintained on-site and made available to Department representatives upon request.

015 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records of the following:

- (a) identification of each ink, coating and solvent used
- (b) VOC content of each ink, coating and solvent used
- (c) total annual consumption of all inks, coatings and solvents used

The above records shall be maintained for each consecutive 12-month period and made available to Department representatives upon request.

V. REPORTING REQUIREMENTS.**# 016 [25 Pa. Code §127.442]****Reporting requirements.**

The permittee shall report malfunctions, which occur at the facility to the Department. A malfunction is any sudden, infrequent and not reasonably preventable failure of the air pollution control equipment, process equipment, or process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

a) Malfunctions, which occur at the facility, which pose an imminent danger to public health, safety, welfare and environment, shall be reported to the Department by telephone no later than two hours after the incident is discovered by the company. The permittee shall submit a written report of such malfunctions to the Department within three (3) days of the telephone report.

- (1) The notice shall describe the:
 - (i) name and location of the facility;
 - (ii) nature and cause of the malfunction;
 - (iii) time when the malfunction was first observed;
 - (iv) expected duration of excess emissions; and
 - (v) estimated rate of emissions.

(2) The owner or operator shall notify the Department immediately when corrective measures have been accomplished.

b) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirements of item a) above, shall be reported to the Department, in writing, within five (5) days of the discovery of the malfunction.

c) Malfunctions shall be reported to the Department at the following address:

PADEP
Air Quality Program
909 Elmerton Avenue
Harrisburg, PA 17110

Telephone reports can be made to the Air Quality Program at (717) 705-4702 during normal business hours or to the Department's Emergency Hotline at (866) 825-0208 at any time.

**SECTION C. Site Level Requirements****# 017 [25 Pa. Code §135.3]****Reporting**

The permittee shall submit an annual emissions inventory report to the Department through the Harrisburg District Supervisor. The report for a given calendar year is due no later than March 1 of the following year, and shall include the following:

- (a) total consumption of all VOC contained in inks, coatings and solvents used
- (b) total annual facility VOC emissions

The permittee may request an extension of time from the Department for filing of the annual report specified above and the Department may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.**# 018 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in Section C, Condition #001(a)(1)-(a)(7). These actions shall include, but are not limited to the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (2) Application of asphalt, oil, water, or suitable chemicals on dirt roads, material stockpiles, and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.
- (4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

019 [25 Pa. Code §127.444]**Compliance requirements.**

The permittee shall operate and maintain all sources and equipment identified in this operating permit in accordance with the manufacturer's recommendations/specifications, as well as in a manner consistent with good operating practices.

VII. ADDITIONAL REQUIREMENTS.**# 020 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

Pursuant to Section C, Category VIII. COMPLIANCE CERTIFICATION below, the permittee shall forward the annual compliance certification report to U.S. EPA electronically, in lieu of a hard copy version, to the following email address (unless otherwise specified by DEP or EPA): R3_APD_Permits@epa.gov.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to Title V General Requirements).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

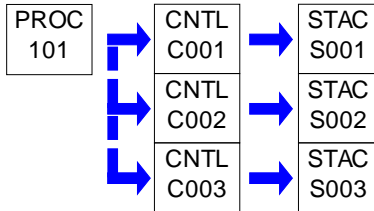
***** Permit Shield In Effect *****

SECTION D. Source Level Requirements

Source ID: 101

Source Name: DEGREASING OPERATIONS

Source Capacity/Throughput: 5.000 Lbs/HR VOC

Conditions for this source occur in the following groups: 001 RTO CONTROLLED SOURCES
004 CAM-1**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.63]****Degreasing operations**

The automatic solvent washer included in Source ID 101 is subject to 25 Pa. Code Section 129.63(d) to include the following:

(a) The permittee shall demonstrate that VOC emissions from the automatic solvent washer are less than the allowable limit determined by the following formula and based upon a 3-month rolling average:

$$EL = 330 (\text{vol})E^{0.6}$$

where,

EL = the 3-month rolling average monthly emission limit in kg/month and

vol = the machine's cleaning capacity in cubic meters

(b) The automatic solvent washer shall be equipped with a permanent, conspicuous label summarizing the following operating procedures:

- (1) Waste solvent still bottoms and sump bottoms shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
- (2) Parts shall be oriented so that the solvent drains freely from the parts. Cleaned parts shall be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the parts are draining.
- (3) Parts or parts baskets may not be removed from the automatic solvent washer until dripping has ceased.
- (4) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the automatic solvent washer.
- (5) Spills during solvent transfer and use of the automatic solvent washer shall be cleaned up immediately.
- (6) Work area fans shall be located and positioned so that they do not blow across the automatic solvent washer.
- (7) Spraying operations shall be done in the vapor zone or within a section of the machine that is not exposed to the ambient air.

SECTION D. Source Level Requirements

(8) When solvent is added to or drained from the automatic solvent washer, the solvent shall be transferred using threaded or otherwise leakproof couplings and the end of the pipe in the solvent pump shall be located beneath the liquid solvent surface.

002 [25 Pa. Code §129.63]**Degreasing operations**

Cold cleaning activities shall be conducted in accordance with the applicable requirements of 25 Pa. Code Section 129.63 to include the following:

(a) After December 22, 2002, Source ID 101 cold cleaning units shall not employ any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs. This provision does not apply to those units with a freeboard ratio equal to or greater than 0.75.

(b) This permit condition does not apply when:

(1) Source ID 101 cold cleaning units are used in extreme cleaning service. Extreme cleaning service is defined as the use of a cold cleaning machine to clean parts used in the manufacture of the following gases or to clean parts exposed to these gases in manufacturing, production, research and development, analytical work, or other similar operations:

- (A) Oxygen in concentrations greater than 23%
- (B) Ozone
- (C) Nitrous oxide
- (D) Fluorine
- (E) Chlorine
- (F) Bromine
- (G) Halogenated compounds

(2) The permittee demonstrates, and the Department approves in writing, that compliance with this permit condition will result in unsafe operating conditions.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall maintain the following records on and after December 22, 2002 for each cold cleaning unit:

- (a) The name and address of the solvent supplier.
- (b) The type of solvent including the product or vendor identification number.
- (c) The vapor pressure of the solvent measured in mm Hg at 20°C (68°F).

An invoice, bill of sale, or certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

**SECTION D. Source Level Requirements**

The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall operate each Source ID 101 cold cleaning unit in accordance with the following procedures:

- (a) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
- (b) Flushing of parts using a flexible hose or other flushing device shall be performed only within the unit. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
- (c) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in Source ID 101 cold cleaning units.
- (d) Air-agitated solvent baths may not be used.
- (e) Spills during solvent transfer and use of each Source ID 101 cold cleaning unit shall be cleaned up immediately.

005 [25 Pa. Code §129.63]**Degreasing operations**

Each Source ID 101 cold cleaning unit shall be equipped with one of the following:

- (a) A cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent.
- (b) A perforated drain with a diameter of not more than six (6) inches, if the unit drains directly into the solvent storage reservoir.

006 [25 Pa. Code §129.63]**Degreasing operations**

Each Source ID 101 cold cleaning unit shall have a permanent, conspicuous label summarizing the operating requirements in Condition #004. In addition, the label shall include the following discretionary good operating practices:

- (a) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the unit.
- (b) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.
- (c) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 007 [25 Pa. Code §129.63]****Degreasing operations**

Conditions Nos. 4, 5 and 6 apply to each Source ID 101 cold cleaning unit so long as the unit uses 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

***** Permit Shield in Effect. *****



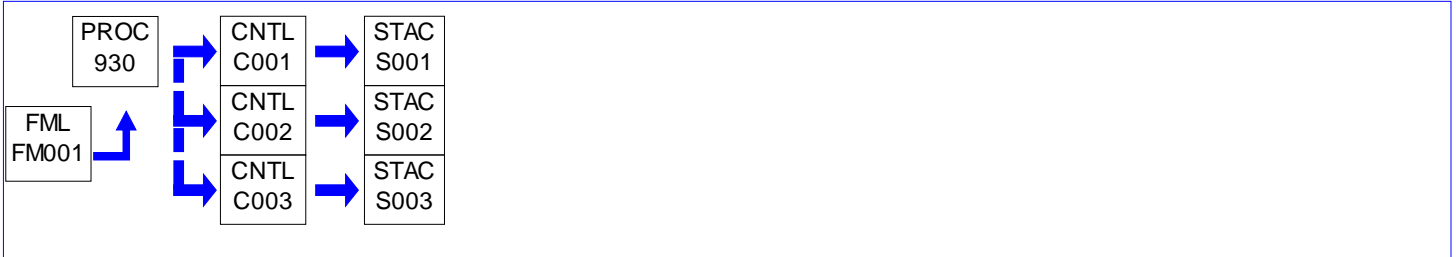
SECTION D. Source Level Requirements

Source ID: 930

Source Name: 10 COLOR GRAVURE PRINTING PRESS

Source Capacity/Throughput: 405.000 Lbs/HR VOC

Conditions for this source occur in the following groups: 001 RTO CONTROLLED SOURCES
002 25 PA. 129.67A
004 CAM-1



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

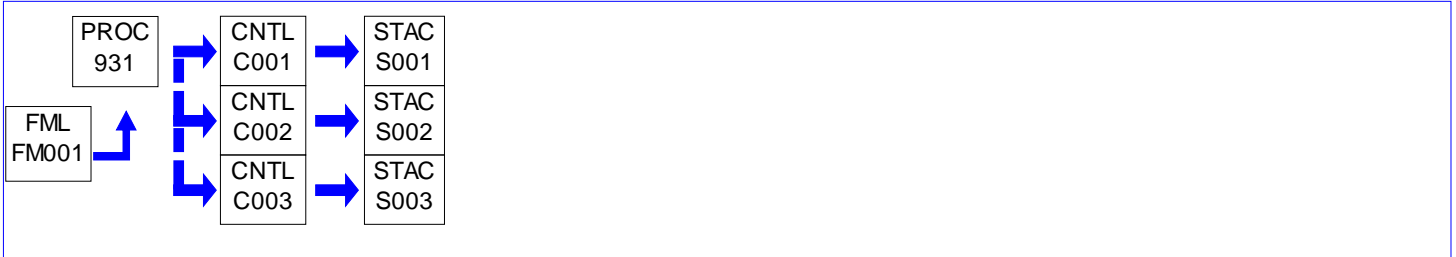
**SECTION D. Source Level Requirements**

Source ID: 931

Source Name: ROTOGRAVURE PRINTING PRESS

Source Capacity/Throughput: 750.000 Lbs/HR VOC

Conditions for this source occur in the following groups: 001 RTO CONTROLLED SOURCES
 002 25 PA. 129.67A
 004 CAM-1

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****



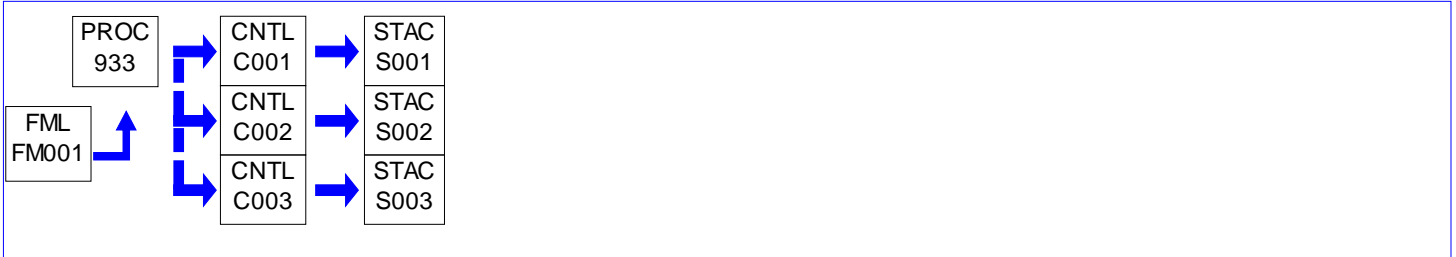
SECTION D. Source Level Requirements

Source ID: 933

Source Name: ROTOGRAVURE PRINTING PRESS 933

Source Capacity/Throughput: 1,545.000 Lbs/HR VOC

Conditions for this source occur in the following groups: 001 RTO CONTROLLED SOURCES
002 25 PA. 129.67A
004 CAM-1



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall comply with a VOC emission limit of 44 tons during any consecutive 12-month period for this source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).



SECTION D. Source Level Requirements

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

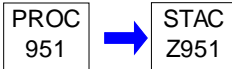
Source ID: 951

Source Name: WAX COATER 951

Source Capacity/Throughput:

0.980 Lbs/HR

VOC

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.52b]****Control of VOC emissions from paper, film and foil surface coating processes.**

(a) Applicability. This section applies to the owner and operator of a paper, film or foil surface coating process, as follows, if the surface coating process meets one or a combination of the following:

(1) N/A - SOURCE DOES NOT HAVE THE POTENTIAL TO EMIT AT LEAST 25 TONS PER YEAR OF VOC PRIOR TO CONTROLS

(2) The emission limit in Table II and other requirements of this section apply to the owner and operator of a paper surface coating process which emits or has emitted VOCs into the outdoor atmosphere in quantities greater than 3 pounds (1.4 kilograms) per hour, 15 pounds (7 kilograms) per day or 2.7 tons (2,455 kilograms) per year during any calendar year since January 1, 1987. For these processes, the emission limit and other requirements of this section supersede the emission limit and other requirements of § 129.52.

(3) The work practice requirements for cleaning materials found in subsection (h), and the related compliance monitoring and recordkeeping and reporting requirements of subsections (d) and (e), apply to the owner and operator of a paper, film or foil surface coating process if the total actual VOC emissions from all paper, film or foil surface coating operations, including related cleaning activities, at the facility are equal to or greater than 15 pounds (6.8 kilograms) per day or 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of controls.

(b) N/A - NO EXISTING RACT PERMIT

(c) Emission limits. A person subject to subsection (a)(2) may not cause or permit the emission into the outdoor atmosphere of VOCs from a paper, film or foil surface coating process, unless one of the following limitations is met:

(1) The VOC content of each as applied coating is equal to or less than the limit specified in Table II, as applicable. [NOTE THAT TABLE I HAS NOT BEEN INCLUDED HEREIN BECAUSE THE SOURCE IS NOT SUBJECT TO THE TABLE I REQUIREMENTS]

Table II

Emission Limit of VOCs for Paper Coating if Actual VOC Emissions have Exceeded 3 Pounds per Hour, 15 Pounds per Day or 2.7 Tons per Year in Any Year Since January 1, 1987

Weight of VOC per Volume of Coating Solids, as Applied

| Units | RACT Limit Paper Coating |
|---------------------------|--------------------------|
| lb voc/gal coating solids | 4.84 |
| kg voc/l coating solids | 0.58 |

(i) The VOC content of the as applied coating, expressed in units of weight of VOC per weight of coating solids, shall be calculated as follows:

(Please see original document for exact equation.)

**SECTION D. Source Level Requirements**

$$\text{VOCB} = (\text{Wo})/(\text{Wn})$$

Where:

VOCB = VOC content in lb VOC/lb of coating solids

Wo = Weight percent of VOC (Wv-Ww-Wex)

Wv = Weight percent of total volatiles (100%-weight percent solids)

Ww = Weight percent of water

Wex = Weight percent of exempt solvents

Wn = Weight percent of solids of the as applied coating

(ii) The VOC content of the as applied coating, expressed in units of weight of voc per volume of coating solids, shall be calculated as follows:

(Please see original document for exact equation.)

$$\text{VOC} = (\text{Wo})(\text{Dc})/\text{Vn}$$

Where:

VOC = VOC Content in lb voc/gal of coating solids

Wo = Weight percent of VOC (Wv-Ww-Wex)

Wv = Weight percent of total volatiles (100%-weight percent solids)

Ww = Weight percent of water

Wex = Weight percent of exempt solvent(s)

Dc = Density of coating, lb/gal, at 25° C

Vn = Volume percent of solids of the as applied coating

(iii) N/A - NO DIPPING COATINGS USED

(iv) Sampling and testing shall be done in accordance with the procedures and test methods specified in Chapter 139 (relating to sampling and testing).

(2) N/A - NO CONTROL DEVICE

(d) Compliance monitoring procedures. The owner or operator of a facility subject to this section shall maintain records sufficient to demonstrate compliance as follows:

(1) The owner or operator of a facility subject to subsection (a) shall maintain daily records of the following parameters for each coating, thinner, component or cleaning solvent, as supplied:

(i) Name and identification number of the coating, thinner, component or cleaning solvent.

(ii) Volume used.

(iii) Mix ratio.

(iv) Density or specific gravity.

(v) Weight percent of total volatiles, water, solids and exempt solvents.

(vi) VOC content.

(2) In addition to the records required under paragraph (1), the owner or operator of a facility subject to subsection (a)(2)



SECTION D. Source Level Requirements

shall maintain daily records of the volume percent solids for each coating, thinner or component, as supplied.

(3) The owner or operator of a facility subject to subsection (a) shall maintain daily records of the VOC content of each as applied coating or cleaning solvent.

(e) Recordkeeping and reporting requirements. The records required under subsection (d) shall be:

(1) Maintained for 2 years, unless a longer period is required under § 127.511(b)(2) (relating to monitoring and related recordkeeping and reporting requirements).

(2) Submitted to the Department upon receipt of a written request.

(f) N/A - NOT SUBJECT TO SUBSECTION (a)(1)

(g) Exempt coatings. The VOC coating content limits in Tables I and II do not apply to a coating used exclusively for determining product quality and commercial acceptance and other small quantity coatings, if the coating meets the following criteria:

(1) The quantity of coating used does not exceed 50 gallons per year for a single coating and a total of 200 gallons per year for all coatings combined for the facility.

(2) The owner or operator of the facility requests, in writing, and the Department approves, in writing, the exemption prior to use of the coating.

(h) Work practice requirements for cleaning materials. The owner or operator of a paper, film or foil surface coating process subject to subsection (a) shall comply with the following work practices for cleaning materials:

(1) Store all VOC-containing cleaning materials and used shop towels in closed containers.

(2) Ensure that mixing and storage containers used for VOC-containing cleaning materials are kept closed at all times, except when depositing or removing these materials.

(3) Minimize spills of VOC-containing cleaning materials and clean up spills immediately.

(4) Convey VOC-containing cleaning materials from one location to another in closed containers or pipes.

(5) Minimize VOC emissions from cleaning of storage, mixing and conveying equipment.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).



SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: 001 RTO CONTROLLED SOURCES

Group Description: NON-CAM CONDITIONS GROUP 001

Sources included in this group

| ID | Name |
|-----|---------------------------------|
| 101 | DEGREASING OPERATIONS |
| 921 | WIDE-WEB FLEXOGRAPHIC PRESS |
| 930 | 10 COLOR GRAVURE PRINTING PRESS |
| 931 | ROTOGRAVURE PRINTING PRESS |
| 933 | ROTOGRAVURE PRINTING PRESS 933 |

I. RESTRICTIONS.**Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions from each dryer and each of the RTOs associated with the Group 001 printing presses shall not exceed 0.04 grain per dry standard cubic foot of effluent gas.

002 [25 Pa. Code §123.21]

General

Sulfur oxides emissions, expressed as sulfur dioxide, from each dryer and each of the RTOs associated with the Group 001 printing presses shall not exceed 500 ppm, by volume, in the effluent gas from each unit.

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The RTOs shall be tested once per permit term to determine VOC destruction efficiency.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Stack testing has been completed on all three RTOs. More specifically, RTO C001 was tested on April 7, 2015. The tests were performed with a temperature set point of 1,500 °F. RTO C002 was tested on July 31, 2013 at a set point temperature of 1,550 °F. RTO C003 was tested on October 30, 2013 at a set point temperature of 1,575 °F. The minimum required combustion zone temperature of each control device shall be maintained at the stated temperature. The RTO temperature may go to 50 °F below the tested temperature.

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of all maintenance, testing, repairs and malfunctions of each of the RTOs associated with the Group 001 printing presses for the most recent five-year period.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Each of the RTOs associated with the Group 001 printing presses shall be operated and maintained to provide a minimum

**SECTION E. Source Group Restrictions.**

destruction efficiency of 98%.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain each Permanent Total Enclosure (PTE) to ensure compliance with the applicable 100% capture efficiency requirement and EPA Test Method 204 - Criteria for Verification of a Permanent or Temporary Enclosure.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

For each permanent or temporary enclosure (PTE), the permittee shall maintain a minimum average pressure differential of -0.007" w.g. within the Method 204 total enclosure area. Permanent instrumentation shall be maintained to measure and record the pressure drop. The pressure drop shall be permanently recorded at least once per day and these records shall be kept for the most recent five-year period.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: 002 25 PA. 129.67A

Group Description: FLEXIBLE PACKAGING PRINTING PRESSES

Sources included in this group

| ID | Name |
|-----|---------------------------------|
| 921 | WIDE-WEB FLEXOGRAPHIC PRESS |
| 930 | 10 COLOR GRAVURE PRINTING PRESS |
| 931 | ROTOGRAVURE PRINTING PRESS |
| 933 | ROTOGRAVURE PRINTING PRESS 933 |

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §129.67a]****Control of VOC emissions from flexible packaging printing presses.**

(a) Applicability.

(1) Except as specified in paragraph (3) or (4), this section applies to the owner and operator of a flexible packaging printing press if one or more of the following apply:

(i) Potential VOC emissions. An individual flexible packaging printing press has potential emissions from the dryer, before consideration of add-on controls, of at least 25 tpy of VOCs from inks, coatings and adhesives combined. This section supersedes § 129.67 (relating to graphic arts systems).

(ii) Actual VOC emissions at or above threshold. The total actual VOC emissions from all inks, coatings and adhesives combined from all flexible packaging printing presses and all VOC emissions from related cleaning activities at the facility are equal to or greater than 450 pounds (204.1 kilograms) per month or 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of add-on controls.

(iii) [ACTUAL VOC BEFORE CONTROL ABOVE 450 LB/MO AND 2.7 TON/YR]

(2) The owner or operator of a flexographic or rotogravure printing press subject to paragraph (1)(ii) and § 129.67, who was

**SECTION E. Source Group Restrictions.**

required to install a control device under § 129.67 prior to June 28, 2014, shall continue the operation of that control device and also meet the requirements of this section.

(3) VOCs from adhesives used at a facility that are not used or applied on or with a flexible packaging printing press are not subject to this section and may be regulated under § 129.52b, § 129.77 or Chapter 130, Subchapter D (relating to control of VOC emissions from paper, film and foil surface coating processes; control of emissions from the use or application of adhesives, sealants, primers and solvents; and adhesives, sealants, primers and solvents).

(4) Surface coating of flexible packaging substrates that is not done with a flexible packaging printing press is regulated under § 129.52b.

(b) [NA - NO EXISTING RACT PERMIT]

(c) Emission limits. Beginning January 1, 2015, a person subject to subsection (a)(1)(i) may not cause or permit the emission into the outdoor atmosphere of VOCs from a flexible packaging printing press unless one or more of the following limitations is met:

(1) Individual ink, coating or adhesive. The VOC content of each as applied ink, coating or adhesive used on a single flexible packaging printing press meets the following requirements:

(i) The VOC content is equal to or less than one or both of the following limits:

(A) 0.16 lb VOC per lb material as applied.

(B) 0.8 lb VOC per lb material solids as applied.

(ii) The VOC content is calculated as follows for VOC content expressed in units of weight of VOC per weight of material solids:

[SEE REGULATION FOR EQUATION]

(iii) Sampling of the ink, coating or adhesive and testing for the VOC content of the ink, coating or adhesive is performed in accordance with subsection (f).

(2) Weighted average. The daily weighted-average VOC content of all inks, coatings and adhesives combined used on a single flexible packaging printing press meets one or both of the VOC content limits in paragraph (1)(i). The use of averaging to meet the VOC content limits may not be used across multiple printing presses. Averaging is available on a single flexible packaging printing press if the following requirements are met:

(i) The daily weighted average is calculated using the following equation:

[SEE REGULATION FOR EQUATION]

(ii) Sampling of the inks, coatings and adhesives and testing for the VOC content of the inks, coatings and adhesives is performed in accordance with subsection (f).

(3) Add-on air pollution control device. The overall weight of VOCs emitted to the atmosphere from all inks, coatings and adhesives combined used on a single flexible packaging printing press is reduced through the use of vapor recovery or oxidation or another method that is acceptable under § 129.51(a) (relating to general). The overall control efficiency of a control system, as determined by the test methods and procedures specified in subsection (f), may not be less than that listed in Table 1.

TABLE 1 REQUIREMENTS

Overall Control Efficiency Requirement of a Control System on a Single Flexible Packaging Printing Press with Potential Emissions ≥ 25 tpy of VOC Before Control

**SECTION E. Source Group Restrictions.**

>=75% for a printing press with first installation date on or after 3/14/95, and an air pollution control device first installation date prior to 1/1/15.

(4) [NA - NO PLAN APPROVAL WITH VOC PRE-CONTROL PTE RESTRICTION OF 25 TPY]

(d) Compliance and monitoring requirements for an add-on air pollution control device. The owner or operator of a flexible packaging printing press subject to subsection (a)(1)(i) using an add-on air pollution control device in accordance with subsection (c)(3) shall comply with the following requirements:

(1) The add-on air pollution control device shall be equipped with the applicable monitoring equipment and the monitoring equipment shall be installed, calibrated, operated and maintained according to manufacturer's specifications at all times the add-on air pollution control device is in use. If the add-on air pollution control device is a:

(i) Noncatalytic thermal oxidizer, the minimum combustion or operating temperature must be continuously monitored. The temperature reading shall be recorded in accordance with subsection (e)(1) at least once every 15 minutes while the noncatalytic thermal oxidizer is operating.

(ii) [NA - RTO'S ARE USED]

(iii) [NA - RTO'S ARE USED]

(2) The add-on air pollution control device specified in paragraph (1) shall be operated at a 3-hour average temperature not lower than 50°F below the average temperature demonstrated during the most recent compliant source test approved by the Department.

(3) The add-on air pollution control device specified in paragraph (1) shall be in operation at all times that the source is operating.

(4) The add-on air pollution control device shall be approved, in writing, by the Department in a plan approval, operating permit or Title V permit prior to use.

(e) Recordkeeping and reporting requirements. Beginning January 1, 2015, the owner or operator of a flexible packaging printing press subject to this section shall maintain records sufficient to demonstrate compliance with the requirements of this section. Records maintained for compliance demonstrations may include purchase, use, production and other records.

(1) An owner or operator subject to subsection (a)(1)(i) using an add-on air pollution control device shall maintain records sufficient to demonstrate compliance with subsection (d), including records of the following information:

(i) Temperature reading of the add-on air pollution control device.

(ii) Maintenance performed on the add-on air pollution control device and monitoring equipment, including the date and type of maintenance.

(iii) [NA - RTO'S ARE USED]

(2) An owner or operator subject to subsection (a)(1)(i) not using an add-on air pollution control device shall maintain records of the as applied VOC content of inks, coatings and adhesives sufficient to demonstrate compliance with the limitations under subsection (c)(1) or (2).

(3) [NA - EXEMPTION NOT CLAIMED]

(4) The owner or operator may group materials into classes using the highest VOC content in any material in a class to represent that class of material.

(5) The records required under paragraphs (1)—(4) shall be maintained for 2 years, unless a longer period is required by a plan approval or operating permit issued under Chapter 127 (relating to construction, modification, reactivation and operation of sources). The records shall be submitted to the Department in an acceptable format upon receipt of a written

**SECTION E. Source Group Restrictions.**

request.

(6) The owner or operator of a flexible packaging printing press subject to subsection (a)(1)(i) that is required to demonstrate overall control efficiency in accordance with subsections (c)(3) and (d) shall submit reports to the Department in accordance with Chapter 139 (relating to sampling and testing).

(f) Sampling and testing.

(1) Sampling and testing shall be performed as follows:

(i) Sampling of an ink or coating and testing for the VOC content of the ink or coating shall be performed in accordance with the procedures and test methods specified in Chapter 139.

(ii) Sampling and testing of an add-on air pollution control device shall be performed in accordance with the procedures and test methods specified in Chapter 139 and meet one of the following:

(A) Sampling and testing shall be performed no later than 180 days after the compliance date of the press.

(B) Sampling and testing shall have been performed within 5 years prior to January 1, 2015, and previously approved by the Department. Capture efficiency retesting may be waived for capture systems that are not permanent total enclosures if the operating parameters indicate that a fundamental change has not taken place in the operation or design of the equipment, unless retesting is required under Subpart C, Article III (relating to air resources) or a plan approval, operating permit or an order issued by the Department. For purposes of this clause, fundamental changes include adding printing stations to a press, increasing or decreasing the volumetric flow rate from the dryer or changing the static duct pressure.

(2) The overall control efficiency of the add-on air pollution control device shall be determined by the following test methods and procedures subject to prior written approval by the Department.

(i) The capture efficiency shall be determined in accordance with either of the following methods:

(A) 40 CFR Part 51, Appendix M, Methods 204—204F, including updates and revisions.

(B) 40 CFR Part 63, Subpart KK, Appendix A (relating to data quality objective and lower confidence limit approaches for alternative capture efficiency protocols and test methods).

(ii) The control efficiency shall be determined using one or more of the following methods, as applicable. The method used to measure the inlet concentration of VOC may be the same method used to determine the outlet concentration of VOC unless use of the same method is determined to be technically infeasible.

(A) EPA Reference Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, codified in 40 CFR Part 60, Appendix A, including updates and revisions. EPA Reference Method 25 may be used if the total gaseous nonmethane organic compound concentration is equal to or greater than 50 parts per million by volume, measured as carbon.

(B) EPA Reference Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, codified in 40 CFR Part 60, Appendix A, including updates and revisions. EPA Reference Method 25A may not be used if the total gaseous nonmethane organic compound concentration at the outlet of the add-on air pollution control device is equal to or greater than 50 parts per million by volume, measured as carbon.

(C) EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, codified in 40 CFR Part 60, Appendix A, including updates and revisions. EPA Reference Method 18 may be used if the total gaseous nonmethane organic compound concentration is equal to or greater than 50 parts per million by volume, measured as carbon. EPA Reference Method 18 may be used in conjunction with EPA Reference Method 25A to subtract emissions of exempt VOCs.

(3) Other test methods demonstrated to provide results that are acceptable for purposes of determining compliance with this section may be used if prior approval is obtained in writing from the Department and the EPA.

**SECTION E. Source Group Restrictions.**

(g) Work practice requirements for cleaning activities.

(1) Except as specified in paragraph (3), beginning January 1, 2015, the owner or operator of a flexible packaging printing press subject to subsection (a)(1)(i), (1)(ii) or (2) shall comply with the following work practices for cleaning activities at the facility:

(i) Store all VOC-containing cleaning solutions, waste cleaning solutions and used shop towels in closed containers.

(ii) Ensure that mixing vessels and storage containers used for VOC-containing cleaning solutions, waste cleaning solutions and used shop towels are kept closed at all times, except when depositing or removing these solutions or shop towels.

(iii) Minimize spills of VOC-containing cleaning solutions and waste cleaning solutions and clean up spills immediately.

(iv) Convey VOC-containing cleaning solutions, waste cleaning solutions and used shop towels from one location to another in closed containers or pipes.

(2) The requirements in paragraph (1) apply to the following activities:

(i) Cleaning of ink, coating or adhesive from a press.

(ii) Cleaning of ink, coating or adhesive from press parts, including press parts that have been removed from the press for cleaning.

(iii) Cleaning of ink, coating or adhesive from areas around a press.

(3) The requirements in paragraph (1) do not apply to the following activities:

(i) Cleaning electronic components of a press.

(ii) Cleaning in pre-press (for example, platemaking) operations.

(iii) Cleaning in post-press (for example, binding) operations.

(iv) Using janitorial supplies (for example, detergents or floor cleaners) for general cleaning around a press.

(v) The use of parts washers or cold cleaners at a flexible packaging printing facility. The use of parts washers and cold cleaners is regulated under § 129.63 (relating to degreasing operations).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: 004 CAM-1

Group Description: CAM ASSOCIATED WITH PERMANENT TOTAL ENCLOSURE(S) (PTEs)

Sources included in this group

| ID | Name |
|-----|---------------------------------|
| 101 | DEGREASING OPERATIONS |
| 921 | WIDE-WEB FLEXOGRAPHIC PRESS |
| 930 | 10 COLOR GRAVURE PRINTING PRESS |
| 931 | ROTOGRAVURE PRINTING PRESS |
| 933 | ROTOGRAVURE PRINTING PRESS 933 |

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.**# 001 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.3]****Sections of PART 64****Monitoring design criteria**

#AAA

(a) The permittee shall use the following process parameters to obtain data and monitor the equipment performance:

1. Inspect the operational condition of the control device bypass damper, the integrity of the exhaust system from the process to the control device, and the integrity of the enclosure.
2. Monitor pressure differential across the enclosure wall and the surrounding atmosphere.

(b) The permittee shall operate and maintain the following monitoring equipment to measure the process parameters described in (a) above:

1. Inspections by plant staff
2. Differential pressure monitor

(c) The permittee shall monitor the process parameters described in (a), above, as follows:

1. Inspections at least semiannually
2. Monitor once every minute while the source is in operation

(d) There is no applicable averaging period for these parameters.

#BBB

(a) The permittee shall maintain records of the following information:

1. Inspections: Record results of inspections and observations.
2. Pressure Differential Monitoring:

(i) Record at least once every minute on a chart or electronic media.

**SECTION E. Source Group Restrictions.**

(ii) Record for each 5-minute block period whether or not block showed an excursion pursuant to DDD(a)(2) below.

3. Maintain records of corrective actions taken in response to excursions.

(b) The permittee shall keep all records for a period of five (5) years and make the records available to the Department upon request.

#CCC

(a) The permittee shall report all excursions and corrective actions taken, the dates, times, durations and possible causes, every six (6) months.

(b) The permittee shall report all monitoring equipment downtime incidents (other than downtime associated with accuracy checks or calibration checks), their dates, times and durations, possible causes and corrective actions taken, every six (6) months.

#DDD

(a) The permittee shall use the following parameter ranges to determine excursions:

1. Inspections: An excursion is identified as any finding that the integrity of the bypass damper, the exhaust system ductwork, or the enclosure has been compromised.

2. Differential Pressure Monitoring: An excursion is defined as a pressure differential of less than negative (-) 0.007" w.c. for a 5 consecutive minute block (as defined below) while the process is operating; alternatively, a smaller differential (i.e., less than (-) 0.007" w.c.) can be used as the indicator if such differential is demonstrated as adequate to qualify the permanent total enclosure with Method 204 criteria. 5 minute blocks shall be consecutive and non-overlapping.

(b) The permittee shall check all process parameter monitoring equipment a minimum of once per year to ensure measurement accuracy. Monitoring equipment that can no longer be calibrated to measurement accuracy that meets manufacturer's specifications shall be replaced with new calibrated monitoring equipment. Results of the annual monitoring equipment measurement accuracy checks shall be retained on site for a minimum of five (5) years and made available to the Department upon request.

(c) The permittee shall maintain spare monitoring equipment and related parts on site for routine repairs/replacement as appropriate.

#EEE

(a) The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occurs:

(1) Six excursions of any given emission standard, alarm or parameter range occur in a six-month reporting period.

(2) More than 5% of the 5-minute block readings are unavailable in a six-month reporting period.

(3) A semiannual inspection under AAA(c)(1) is missed.

(4) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) The QIP should be developed within 60 days of the end of the relevant six-month reporting period, and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(c) The permittee shall record actions taken to implement the QIP during a reporting period and all related actions including,

**SECTION E. Source Group Restrictions.**

but not limited to inspections, repairs and maintenance performed on the monitoring equipment.

(d) The QIP shall include procedures for evaluating any control device performance problems on such devices associated with the QIP. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- (1) Improved preventive maintenance practices.
- (2) Process operation changes.
- (3) Appropriate improvements to control methods.
- (4) Other steps appropriate to correct performance.

(e) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- (1) Address the cause of the control device performance problem.
- (2) Provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(f) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) Each permanent or temporary enclosure (PTE) shall be designed and operated to meet the criteria of EPA Method 204.
- (b) The following sources shall be enclosed pursuant to this authorization: Source ID Nos. 101, 921, 930, 931, 933 (new), 934 (new), and the Ink Room and Still Room.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: 005 CAM-2

Group Description: CAM ASSOCIATED WITH REGENERATIVE THERMAL OXIDIZERS

Sources included in this group

| ID | Name |
|------|-------------------------------------|
| C001 | REGENERATIVE THERMAL OXIDIZER (RTO) |
| C002 | REGENERATIVE THERMAL OXIDIZER (RTO) |
| C003 | REGENERATIVE THERMAL OXIDIZER (RTO) |

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

**# 001 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.3]
Sections of PART 64
Monitoring design criteria**

#AAA

(a) The permittee shall use the following process parameters to obtain data and monitor the equipment performance:

1. Continuously monitor the operating temperature of the oxidizer combustion zone, using a temperature-monitoring device which is accurate to within $\pm 0.5\%$ of temperature measured or $\pm 5^\circ\text{F}$, whichever is greater.
2. Inspect internal and external structural integrity of oxidizer to ensure proper operation.

(b) The permittee shall operate and maintain the following monitoring equipment to measure the process parameters described in (a) above:

1. Temperature measurement system
2. Inspections

(c) The permittee shall monitor the process parameters described in (a), above, as follows:

1. Monitor at least once every 15 minutes while the oxidizer is in operation and controlling process exhaust
2. External inspections at least monthly. Internal inspections at least annually.

(d) The permittee shall average the monitoring values collected pursuant to (c), above, as follows for the purposes of determining excursions:

1. The temperature may be averaged over three hours if using the three hour average indicator.
2. No averaging appropriate for inspections

#BBB

(a) The permittee shall maintain records of the following information:

1. Temperature: Recorded at least every 15 minutes on a chart or electronic media. Also, all 3-hour average temperature blocks

**SECTION E. Source Group Restrictions.**

2. Inspections: Record results of inspections and observations.

(b) Maintain records of corrective actions taken in response to excursions.

(c) The permittee shall keep all records for a period of five (5) years and make the records available to the Department upon request.

#CCC

(a) The permittee shall report all excursions and corrective actions taken, the dates, times, durations and possible causes, every six (6) months.

(b) The permittee shall report all monitoring equipment downtime incidents (other than downtime associated with accuracy checks or calibration checks), their dates, times and durations, possible causes and corrective actions taken, every six (6) months.

#DDD

(a) The permittee shall use the following parameter ranges to determine excursions:

1. Temperature: An excursion is identified as a combustion zone temperature measurement of more than 50° F below the setpoint temperature used to demonstrate compliance during the most recent VOC emission test, or as any 3-hour period when the average combustion zone temperature is less than the setpoint temperature used to demonstrate compliance during the most recent VOC emission test. The 3-hour block periods shall be non-overlapping.

NOTE: Stack testing has been completed on all three RTOs. More specifically, RTO C001 was tested on April 7, 2015. The tests were performed with a temperature set point of 1,500 °F. RTO C002 was tested on July 31, 2013 at a set point temperature of 1,550 °F. RTO C003 was tested on October 30, 2013 at a set point temperature of 1,575 °F. All three oxidizers individually met the minimum destruction efficiency of 98% with a combined system weighted average of 99.4% (based on flowrate of each unit).

2. Inspections: An excursion is identified as any finding that the structural integrity of the oxidizer has been jeopardized and it no longer operates as designed.

(b) The permittee shall check all process parameter monitoring equipment a minimum of once per year to ensure measurement accuracy. Monitoring equipment that can no longer be calibrated to measurement accuracy that meets manufacturer's specifications shall be replaced with new calibrated monitoring equipment. Results of the annual monitoring equipment measurement accuracy checks shall be retained on site for a minimum of five (5) years and made available to the Department upon request.

(c) The permittee shall maintain spare monitoring equipment and related parts on site for routine repairs/replacement as appropriate.

#EEE

(a) The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occurs:

(1) Six excursions of any given emission standard, alarm or parameter range occur in a six-month reporting period.

(2) More than 5% of the 15-minute temperature readings are unavailable in a six-month reporting period.

(3) A monthly or annual inspection under AAA(c)(2) is missed.

(4) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

**SECTION E. Source Group Restrictions.**

(b) The QIP should be developed within 60 days of the end of the relevant six-month reporting period, and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(c) The permittee shall record actions taken to implement the QIP during a reporting period and all related actions including, but not limited to inspections, repairs and maintenance performed on the monitoring equipment.

(d) The QIP shall include procedures for evaluating any control device performance problems on such devices associated with the QIP. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- (1) Improved preventive maintenance practices.
- (2) Process operation changes.
- (3) Appropriate improvements to control methods.
- (4) Other steps appropriate to correct performance.

(e) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- (1) Address the cause of the control device performance problem.
- (2) Provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(f) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.



SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

#001. Information has been gathered from the previous version of Operating Permit No. 38-05041 issued on February 3, 2016. This permit supercedes that permit.

#002. The two (2) solely natural gas-fired boilers (i.e., B002 and B003, with respective capacities less than 10 MMBtu/hr) will not be subject to any specific work practice standards, testing, monitoring, recordkeeping or reporting requirements. More specifically, NSPS Subpart Dc and NESHAP Subpart JJJJJJ (i.e., commonly referred to as the Area Source Boiler MACT) do not apply herein.

#003. The following sources and activities are not subject to any specific work practice standards, testing, monitoring, recordkeeping or reporting requirements:

1. Air conditioning and ventilation systems (includes space heaters and air make-up units)
2. Office equipment (copiers, printers, fax machines, etc.)
3. Janitorial equipment and activities
4. Plant maintenance (painting, welding, woodworking, cleaning, etc.)
5. Mobile sources (trucks, forklifts, snowblowers, etc.)
6. Fuel oil, gasoline, propane and other storage tanks
7. Emergency equipment (generators, lights, pumps, etc. and training)
8. Materials handling and storage
9. R & D sources and activities
10. Ink mixing and storage
11. Plate making

#004. Exemptions:

1. e-RFD #8462 (05/14/2020) exempts a Flexowash PK 250 FL Parts Washer (solvent wash).
2. e-RFD #4425 (07/24/2014) exempts an alternate wax melting system used in the wax coating process for DEP Source ID No. 951 (i.e., "Wax Coater 951").

#005. One (1) 124 hp natural gas-fired emergency generator installed on June 1, 2008: No "special federal permitting citations" will apply to the generator. More specifically, both 40 CFR 63, Subpart ZZZZ and 40 CFR 60, Subpart JJJJ were checked to see if any citations within would apply to the generator. The only requirement in subpart ZZZZ for stationary SI RICE located at area sources of HAP that commence construction on or after June 12, 2006 is to meet the requirements of 40 CFR part 60 subpart JJJJ. However, 40 CFR 60.4230(a)(4)(iii) specifies that for engines with a maximum engine power less than 500 HP, subpart JJJJ only applies if the engine was manufactured on or after July 1, 2008. Since this engine was manufactured prior to July 1, 2008, it is not subject to subpart JJJJ.



***** End of Report *****
