



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM**

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date:	December 16, 2021	Effective Date:	June 8, 2022
Revision Date:	June 8, 2022	Expiration Date:	December 15, 2026
Revision Type:	Amendment		

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 unless otherwise designated.

State Only Permit No: 46-00049

Synthetic Minor

Federal Tax Id - Plant Code: 43-1526721-1

Owner Information

Name: TENSION INTL
Mailing Address: 431 YERKES RD
KIING OF PRUSSIA, PA 19406-3556

Plant Information

Plant: TENSION INTL / KING OF PRUSSIA
Location: 46 Montgomery County 46955 Upper Merion Township
SIC Code: 2761 Manufacturing - Manifold Business Forms

Responsible Official

Name: LON S ROBINSON
Title: VP OF MFG
Phone: (816) 283 - 9896 Email: lrobinson@tension.com

Permit Contact Person

Name: LON S ROBINSON
Title: VP OF MFG
Phone: (816) 283 - 9896 Email: lrobinson@tension.com

[Signature] _____
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



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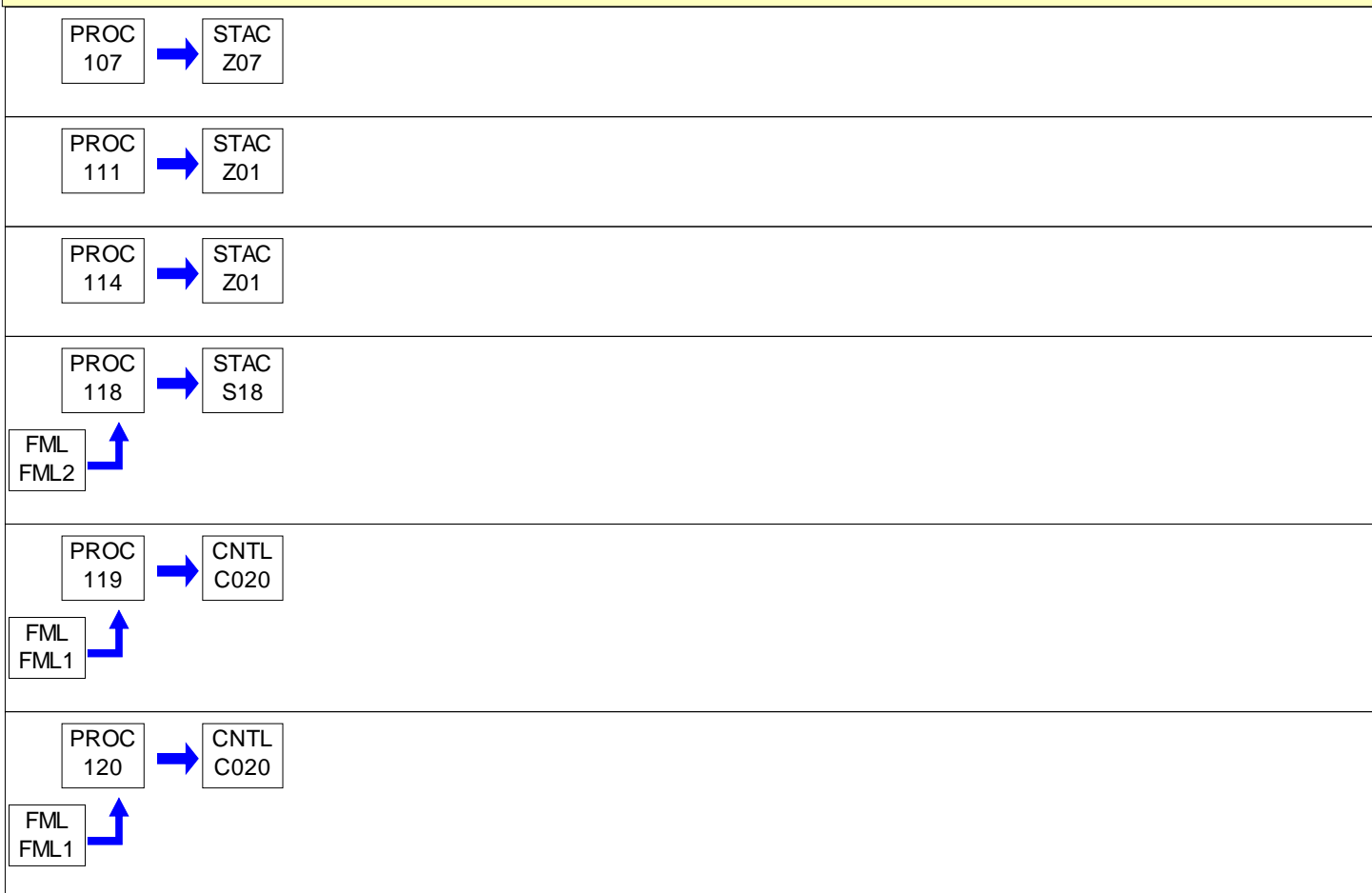
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
107	SAFETY KLEEN PARTS WASHER		
111	DIDDE UV PRESS 10-COLOR BIC	N/A	
114	RDP UV PRESS 8-COLOR	N/A	
118	EMERGENCY GENERATOR (382 BHP)	N/A	Diesel Fuel
119	HARRIS HEAT-SET PRESS M100L WITH DRYER	N/A	
120	HARRIS HEAT-SET PRESS M110B WITH DRYER	N/A	
123	MIYAKOSHI UV PRESS 10-COLOR	N/A	
124	SANDEN UV PRESS 8-COLOR QUANTUM 1500XP	N/A	
125	SANDEN UV PRESS 8-COLOR 24	N/A	
126	MIYAKOSHI UV PRESS 8-COLOR		
127	UV PRESS 7	N/A	
C020	REGENERATIVE THERMAL OXIDIZER	N/A	Natural Gas
FML1	NATURAL GAS		
FML2	DIESEL FUEL OIL		
S18	GENERATOR STACK		
Z01	FUGITIVE EMISSIONS		
Z07	PARTS WASHERS FUGITIVES		

PERMIT MAPS

**PERMIT MAPS**

PROC
123 → STAC
Z01

PROC
124 → STAC
Z01

PROC
125 → STAC
Z01

PROC
126 → STAC
Z01

PROC
127 → STAC
Z01

**SECTION B. General State Only 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 in 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.446]**Operating Permit Duration.**

- (a) 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.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating 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.

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)]**Permit Renewal.**

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. 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.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). 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.
- (d) 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.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) 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 as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]**Operating Permit Fees under Subchapter I.**

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
- (1) For a synthetic minor facility, a fee equal to:
- (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
 - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
 - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

**SECTION B. General State Only Requirements**

(2) For a facility that is not a synthetic minor, a fee equal to:

- (i) Two thousand dollars (\$2,000) for calendar years 2021—2025.
- (ii) Two thousand five hundred dollars (\$2,500) for calendar years 2026—2030.
- (iii) Three thousand one hundred dollars (\$3,100) for the calendar years beginning with 2031.

(b) 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.

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]**Transfer of Operating Permits.**

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and 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 a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]**Inspection and Entry.**

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

(1) Enter at reasonable times upon the permittee's premises where a 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, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any 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, any 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 or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(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.

#007 [25 Pa. Code §§ 127.441 & 127.444]**Compliance Requirements.**

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

**SECTION B. General State Only Requirements**

- (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 for the source is 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 State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]**Need to Halt or Reduce Activity Not a Defense.**

It shall not be a defense for the permittee in an enforcement action that it was necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#009 [25 Pa. Code §§ 127.442(a) & 127.461]**Duty to Provide Information.**

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]**Revising an Operating Permit for Cause.**

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]**Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:

**SECTION B. General State Only Requirements**

(b) Administrative Amendments. The permittee shall submit the application for administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall submit the application for minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Significant Operating Permit Modifications. The permittee shall submit the application for significant operating permit modifications in accordance with 25 Pa. Code § 127.465.

(e) 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.

#012 [25 Pa. Code § 127.441]**Severability Clause.**

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

#013 [25 Pa. Code § 127.449]**De Minimis Emission Increases.**

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. 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.

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

(c) Except as provided below in (d), the permittee is authorized 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, the regulations thereunder 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, the regulations thereunder or 25 Pa. Code Article III.

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

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

**SECTION B. General State Only Requirements**

- (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.
 - (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 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.
- (e) 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 (c)(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 this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (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, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making 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.

#014 [25 Pa. Code § 127.3]**Operational Flexibility.**

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

- (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)

**SECTION B. General State Only Requirements**

(6) Section 127.462 (relating to minor operating permit modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

#015 [25 Pa. Code § 127.11]**Reactivation**

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

(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).

#016 [25 Pa. Code § 127.36]**Health Risk-based Emission Standards and Operating Practice Requirements.**

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

#017 [25 Pa. Code § 121.9]**Circumvention.**

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 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#018 [25 Pa. Code §§ 127.402(d) & 127.442]**Reporting Requirements.**

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) 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 in the permit transmittal letter, or otherwise notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

**SECTION B. General State Only Requirements**

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]**Sampling, Testing and Monitoring Procedures.**

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

#020 [25 Pa. Code §§ 127.441(c) and 135.5]**Recordkeeping.**

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

- (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 any 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.

#021 [25 Pa. Code § 127.441(a)]**Property Rights.**

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

#022 [25 Pa. Code § 127.447]**Alternative Operating Scenarios.**

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

**SECTION B. General State Only Requirements****#023 [25 Pa. Code §135.3]****Reporting**

(a) If the facility is a Synthetic Minor Facility, 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 of a Synthetic Minor Facility 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.

#024 [25 Pa. Code §135.4]**Report Format**

If applicable, the 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 §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003).

002 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

(a) No person may permit 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 use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) NA
- (8) NA
- (9) Sources and classes of sources other than those identified in paragraphs (1)—(8), 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.
 - (ii) The emissions are not preventing or interfering with the attainment or maintenance of an ambient air quality standard.

003 [25 Pa. Code §123.2]**Fugitive particulate matter**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a)(1)-(9) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

004 [25 Pa. Code §123.31]**Limitations**

A person may not permit 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 property of the person on whose land the source is being operated.

005 [25 Pa. Code §123.41]**Limitations**

A person may not permit 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:

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

**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §123.42]****Exceptions**

The limitations of 25 Pa. Code § 123.41 (relating to Limitations) shall not apply to a visible emission in any of the following instances:

- (a) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from sources specified in 25 Pa. Code § 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).

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

- (a) The facility aggregate VOC emissions shall not exceed 20.00 tons per year based on a 12-month rolling sum.
- (b) The facility aggregate HAP emissions shall not exceed 1.00 tons per year based on a 12-month rolling sum.

008 [25 Pa. Code §129.14]**Open burning operations**

No person may permit the open burning of material in the Southeast Air Basin except where the open burning operations result from:

- (a) 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 officer.
- (b) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (d) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
- (e) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of the structure.
- (f) A fire set solely for recreational or ceremonial purposes.
- (g) A fire set solely for cooking food.

II. TESTING REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Department reserves the right to require exhaust stack testing of any source(s) as necessary to verify emissions for purposes including determining a malfunction or determining compliance with any applicable regulation.

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139 and the most current version of the DEP Source Testing Manual, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

**SECTION C. Site Level Requirements****III. MONITORING REQUIREMENTS.****# 011 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (a) A device approved by the Department and maintained to provide accurate opacity measurements.
- (b) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall monitor the facility, once per operating day, for the following:

- (1) odors which may be objectionable (as per 25 Pa. Code §123.31);
- (2) visible emissions (as per 25 Pa. Code §§123.41 and 123.42); and
- (3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:

- (1) be investigated;
- (2) be reported to the facility management, or individual(s) designated by the permittee;
- (3) have appropriate corrective action taken (for emissions that originate on-site); and
- (4) be recorded in a permanent written log.

(c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly.

(d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification (if applicable), complaints, monitoring results, and/or Department findings.

IV. RECORDKEEPING REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain a record of all monitoring of fugitive emissions, visible emissions and odors, including those that deviate from the conditions found in this permit. The record of deviations shall contain, at a minimum, the following items:

- (a) Date, time, and location of the incident(s).
- (b) The cause of the event.
- (c) The corrective action taken, if necessary to abate the situation and prevent future occurrences.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records of all the facility's increases of emissions from the following categories:

- (a) Emissions increase of minor significance without notification to the Department.
- (b) De minimis increases with notification to the Department, via letter.
- (c) Increases resulting from a Request for Determination (RFD) to the Department.
- (d) Increases resulting from the issuance of a plan approval and subsequent operating permit.

**SECTION C. Site Level Requirements****# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall maintain a record of the facility aggregate VOC emissions to ensure that the facility aggregate VOC emissions are not exceeded.
- (b) The permittee shall maintain a record of the facility aggregate HAP emissions to ensure that the facility aggregate HAP emissions are not exceeded.

016 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Records required under Sections C and D of this permit shall be maintained onsite for 5 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 request.

V. REPORTING REQUIREMENTS.**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department at 484-250-5920. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
- (b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.
- (c) The report shall describe the following:
- (1) Name, permit or authorization number, and location of the facility;
 - (2) Nature and cause of the malfunction, emergency or incident;
 - (3) Date and time when the malfunction, emergency or incident was first observed;
 - (4) Expected duration of excess emissions;
 - (5) Estimated rate of emissions; and
 - (6) Corrective actions or preventative measures taken.
- (d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.
- (e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.
- (f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.
- (g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if

**SECTION C. Site Level Requirements**

the annual emissions inventory report is required by permit or authorization.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 68.]

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release [25 Pa. Code § 127.441(d) and 40 CFR Part 68] 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 threshold quantity at a major 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 40 CFR § 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 this 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 this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

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

VI. WORK PRACTICE REQUIREMENTS.**# 019 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in 25 Pa. Code § 123.1(a)(1) -- (7) or (9) shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

**SECTION C. Site Level Requirements**

- (a) 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.
- (b) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) 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.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall ensure that the source(s) and air pollution control device(s), listed in this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

021 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall immediately, upon discovery, implement measures which may include the application for the installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

022 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee may not modify any air contaminant system identified in this permit, prior to obtaining Department approval, except those modifications authorized by Condition #013(g) of Section B, of this permit.

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

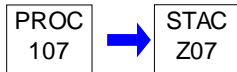
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 107

Source Name: SAFETY KLEEN PARTS WASHER

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §129.63]****Degreasing operations**

(a) The permittee shall maintain records and provide to the Department, on request, the information specified below, pursuant to 25 Pa. Code § 129.63(a)(5):

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

(b) An invoice, bill of sale, certificate that corresponds to a number of sales, Safety Data Sheet (SDS), or other appropriate documentation acceptable to the Department may be used to comply with this condition, pursuant to 25 Pa. Code § 129.63(a)(6).

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 002 [25 Pa. Code §129.63]****Degreasing operations**

The immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater, pursuant to 25 Pa. Code § 129.63(a)(1).

003 [25 Pa. Code §129.63]**Degreasing operations**

The permittee shall comply with the following for the remote reservoir cold cleaning machine:

(a) Have a permanent, conspicuous label summarizing the operating requirements in paragraphs (b) through (g). In addition, the label shall include the following discretionary good operating practices:

**SECTION D. Source Level Requirements**

- (1) 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 cold cleaning machine.
- (2) 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.
- (3) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.
- (b) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.
- (c) 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.
- (d) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
- (e) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.
- (f) Air agitated solvent baths may not be used.
- (g) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.
- (h) After December 22, 2002, the permittee may not use, sell or offer for sale for use in a cold cleaning machine 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.

VII. ADDITIONAL REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Safety Kleen Parts Washer is a remote reservoir cold cleaning machine.

**SECTION D. Source Level Requirements**

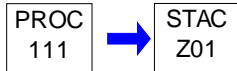
Source ID: 111

Source Name: DIDDE UV PRESS 10-COLOR BIC

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 1

**I. RESTRICTIONS.**

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

**SECTION D. Source Level Requirements**

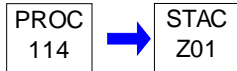
Source ID: 114

Source Name: RDP UV PRESS 8-COLOR

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 1

**I. RESTRICTIONS.**

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

**SECTION D. Source Level Requirements**

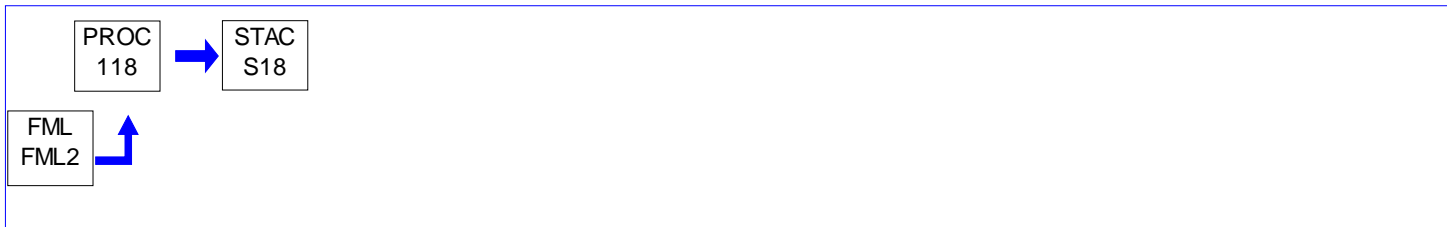
Source ID: 118

Source Name: EMERGENCY GENERATOR (382 BHP)

Source Capacity/Throughput:

N/A

Diesel Fuel

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the aggregate NO_x emissions from all emergency generator engines on site (as applicable) to less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season, and 6.6 tons per year, based on a 12-month rolling basis.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 60.4207(b).]

Engines that use diesel fuel must use diesel fuel that meets the requirements of 40 C.F.R. § 80.510(b):

- (1) Sulfur Content of the Diesel Fuel less than or equal to 15 ppmw (0.0015% by weight); and
- (2) Cetane Index greater than or equal to 40; or Aromatic Content less than or equal to 35%.

[Compliance with the requirements of the paragraph above also demonstrates compliance with the applicable requirements of 25 Pa. Code § 123.21.]

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use only diesel fuel as fuel for this emergency generator.

Operation Hours Restriction(s).

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stat**

- (a) The permittee shall limit the operation of this emergency generator for maintenance checks and readiness testing to 100 hours per year on a 12-month rolling basis.

**SECTION D. Source Level Requirements**

(b) The permittee may operate the emergency generator for up to 50 hours per year on a 12-month rolling basis for non-emergency situations as outlined in 40 C.F.R. § 63.6640(f). The generator may not be operated for peak shaving, non-emergency demand response or to generate income for the facility. This 50 hours must be counted as part of the 100 hours for maintenance and readiness testing in paragraph (a).

(c) If the permittee does not limit operation as stated in paragraphs (a) and (b), the emergency engine will be subject to the full requirements of 40 C.F.R. Part 63 Subpart ZZZZ - "National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines".

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall monitor the following parameters for this source on a monthly basis:

- (1) The amount and type of fuel consumed.
- (2) The hours of operation.
- (3) Reason for operation with duration for each:
 - (a) Emergency use
 - (b) Maintenance or readiness checks
 - (c) Other non-emergency use. Must comply with requirements under Condition #006 of this Section.

IV. RECORDKEEPING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain monthly and 12-month rolling sum records of the following parameters for this source:

- (1) The amount and type of fuel consumed.
- (2) The hours of operation.
- (3) Reason for operation with duration for each:
 - (a) Emergency use
 - (b) Maintenance or readiness checks
 - (c) Other non-emergency use. Must comply with requirements under Condition #006 of this Section.

[Records required under this condition may be used to satisfy the operation limits in 40 C.F.R. § 60.4211(f) and § 63.6650(f)]

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain monthly records of the aggregate NO_x emissions from all exempt emergency generator engines on site (as applicable), including ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums, to demonstrate compliance with the NO_x emission limits applicable to this source.

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall maintain records of all maintenance (i.e., routine/preventative maintenance, repairs, parts replacement, tune-ups, etc.) performed on this generator. These records shall contain, at a minimum, the following:

- (1) The date of the maintenance.

**SECTION D. Source Level Requirements**

- (2) Name of person performing work.
- (3) Any routine/preventative maintenance performed.
- (4) Any problems or defects.
- (5) Any corrective action(s) taken.

(b) The records shall be retained for 5 years and made readily accessible to the Department.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- a. The permittee shall at all times, operate and maintain this source in accordance with the manufacturer's specifications and in a manner consistent with safety and good air pollution control practices.
- b. The permittee may develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engines in a manner consistent with good air pollution control practice for minimizing emissions.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall perform the following operational maintenance services on this source:

- a. Change the oil and filter every 500 hours of operation or annually, whichever comes first;
- b. Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first; and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as needed.

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

(a) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in § 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

(b) Emissions standards for 2007 and later emergency engines are as follows:

(i) For Tier 2 engines with rated power equal to or greater than 225 kW and less than or equal to 450 kW:

- (1) NO_x+NMHC - 6.4 g/kW-hr
- (2) CO - 3.5 g/kW-hr
- (3) PM - 0.20 g/kW-hr

(ii) For Tier 3 engines with a rated power equal to or greater than 130 kW and less than or equal to 560 kW:

- (1) NO_x+NMHC - 4.0 g/kW-hr
- (2) CO - 3.5 g/kW-hr
- (3) PM - 0.20 g/kW-hr

(c) These emission standard apply for the life of the engine.

(d) Purchase of an engine certified to these emissions standards (Tier 2 or 3) shall satisfy this condition.

**SECTION D. Source Level Requirements****# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 60.4211(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4211(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart IIII and must meet all requirements for non-emergency engines.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 63.6640(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 63.6640(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 63 Subpart ZZZZ and must meet all requirements for nonemergency engines.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

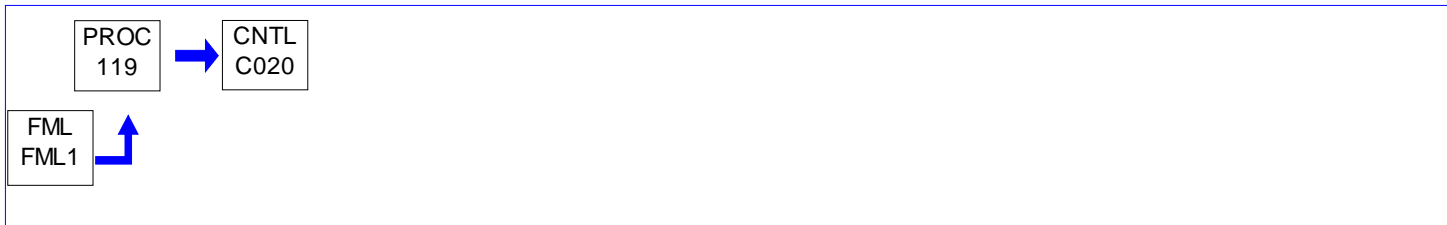
Source ID: 119

Source Name: HARRIS HEAT-SET PRESS M100L WITH DRYER

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 6

**I. RESTRICTIONS.**

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

**SECTION D. Source Level Requirements**

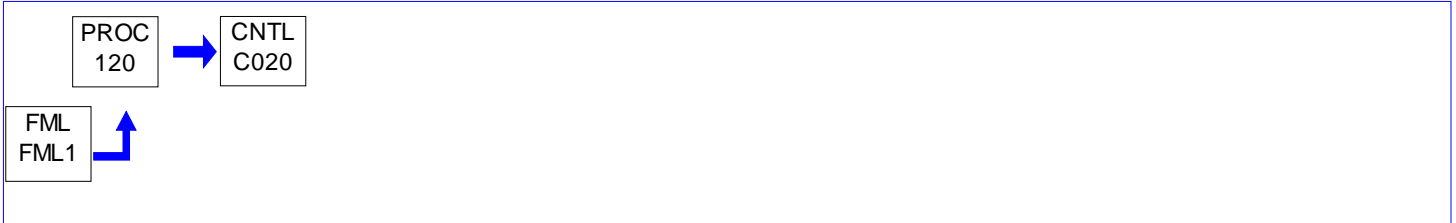
Source ID: 120

Source Name: HARRIS HEAT-SET PRESS M110B WITH DRYER

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 6

**I. RESTRICTIONS.**

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

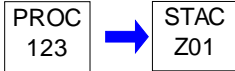
VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

Source ID: 123 Source Name: MIYAKOSHI UV PRESS 10-COLOR
 Source Capacity/Throughput: N/A

Conditions for this source occur in the following groups: GROUP 1

**I. RESTRICTIONS.**

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

**SECTION D. Source Level Requirements**

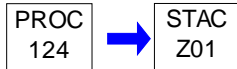
Source ID: 124

Source Name: SANDEN UV PRESS 8-COLOR QUANTUM 1500XP

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 1

**I. RESTRICTIONS.**

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

**SECTION D. Source Level Requirements**

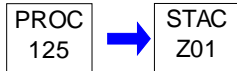
Source ID: 125

Source Name: SANDEN UV PRESS 8-COLOR 24

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 1

**I. RESTRICTIONS.**

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

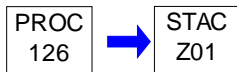
**SECTION D. Source Level Requirements**

Source ID: 126

Source Name: MIYAKOSHI UV PRESS 8-COLOR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 1

**I. RESTRICTIONS.**

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

**SECTION D. Source Level Requirements**

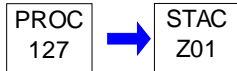
Source ID: 127

Source Name: UV PRESS 7

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 1

**I. RESTRICTIONS.**

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

**SECTION D. Source Level Requirements**

Source ID: C020

Source Name: REGENERATIVE THERMAL OXIDIZER

Source Capacity/Throughput:

N/A

Natural Gas

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The combined emissions of NO_x and CO from the RTO and heat set press dryers shall not exceed the following:

- (1) 0.855 pounds of NO_x per hour.
- (2) 0.559 pounds of CO per hour.

002 [25 Pa. Code §129.67b]**Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

(a) The RTO combustion chamber must 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.

(b) The RTO average temperature shall be:

- (i) 1643°F as of the April 2020 stack test
- (ii) The average RTO temperature from the latest Department Approved stack test

Fuel Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The RTO and dryers shall use only natural gas as fuel.

Control Device Efficiency Restriction(s).**# 004 [25 Pa. Code §129.67b]****Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

The RTO shall have a minimum VOC destruction and removal efficiency of 98.0% or an outlet concentration not to exceed 20 ppm as methane on a dry basis.

II. TESTING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall perform a stack test using the Department-approved procedures once every five (5) calendar years, where five (5) calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five (5) years later. Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department. At a minimum, tests shall be conducted for NO_x, CO and VOC in accordance with the provisions of EPA Methods 7E, 10 and 25A or other Department approved methodology and 25 Pa. Code Chapter 139. Refer to PADEP Source Testing Program website online for further information related to source testing including Source Testing FAQ and the PADEP Source Testing Manual. To show compliance with the emissions limits for the source, testing shall be performed as indicated below:

(1) Testing shall be conducted at the combustion chamber inlet and outlet of the Regenerative Thermal Oxidizer (RTO) to demonstrate compliance with the 98% VOC destruction and removal efficiency, or a post control non-methane hydrocarbon (NMHC) emission of 20 ppmvd or less as methane, whichever is less stringent. Also, the permittee shall conduct a source test to determine the emission rates of: VOC, NO_x and CO at the outlet of the RTO in pounds per hour.

- (i) The aggregate post control VOC emission rate from the three presses, dryers and RTO shall not exceed 1.00 lb/hr.
- (ii) The VOC test results are to be expressed as methane.

**SECTION D. Source Level Requirements**

(2) Source testing shall also be conducted on dryer 119D and 120D to demonstrate that the dryers meet the definition of a total enclosure as defined in 40 CFR § 60.711(a)(17).

(i) Testing of dryers 119D and 120D shall be in accordance 40 CFR § 60.713(a)(5)(i)(D).

(b) The stack testing shall be performed while the two lithographic heat-set presses are operating at maximum normal operating conditions.

(c) The following process data shall be recorded during each test run to document the operation of the lithographic press:

- (1) Line speed (fpm)
- (2) Web width
- (3) Ink usage
- (4) Number of colors
- (5) Press downtime (minutes)

(d) The RTO operating temperature (°F) shall be recorded in fifteen (15) minute intervals during each test run to document the operation of the RTO.

(e) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(f) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(g) Within sixty (60) days after the source test(s), an electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(h) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall email all source test submissions (notifications, protocols, reports, supplemental information, etc.) to both the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office (email addresses are provided below). Any questions or concerns about source testing submissions can be sent to RAEPstacktesting@pa.gov and the PSIMS Administrator will address them.

Southeast Region
RA-EPSEstacktesting@pa.gov

Central Office
RA-EPstacktesting@pa.gov

(b) The following pertinent information shall be listed on the title page.

1. Test Date(s)
 - a. For protocols, provide the proposed date on which testing will commence or "TBD"
 - b. For reports, provide the first and last day of testing
2. Facility Identification Number (Facility - ID): For test programs that were conducted under a multi-site protocol, also include the PF ID under which the protocol was stored in PSIMS, as indicated in the protocol response letter.
3. Source ID(s) for the applicable source(s) and air pollution control device(s): The term Source ID is used in the permit but "Other Id" is used in DEP electronic systems. They are the same number and must also be listed for control equipment

**SECTION D. Source Level Requirements****4. Testing Requirements :**

- a. NO_x and CO emissions
- b. VOC emissions (as methane) and destruction efficiency testing.

(c) If confidential information must be submitted, submit both a public copy, which has been redacted, and a confidential copy. The cover page of each submittal should state whether it is a "Public Copy" or "Confidential Copy" and each page of the latter must be marked "CONFIDENTIAL".

III. MONITORING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The temperature at the outlet of the combustion chamber shall be visually displayed in the area of the RTO.

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

(a) The permittee shall monitor the airflow or fan amperage on a daily basis and prior to routing a source's exhaust to the RTO.

(b) The permittee shall monitor the startup and shutdown times of the RTO.

(c) The permittee shall monitor the natural gas usage in the dryers and RTO on a monthly basis.

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall monitor and calculate the combined NO_x, CO and VOC emissions from the RTO and dryers for Sources 119 and 120, on a monthly and 12-month rolling sum basis. Calculations shall be based on combined fuel usage for the RTO and dryers.

010 [25 Pa. Code §129.67b]**Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

(a) The RTO 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 RTO is in use.

(b) The RTO combustion chamber temperature must be continuously monitored when the RTO is operating.

IV. RECORDKEEPING REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall maintain records the following operational parameters for the RTO:

- (1) Combustion chamber temperature of the RTO continuously, when operating;
- (2) The airflow or fan amperage on a daily basis, prior to and after putting a source on line that exhausts to the RTO.
- (3) The startup and shutdown times of the RTO.
- (4) The natural gas usage in the dryers and RTO.
- (5) The 3-hour average temperature required by Condition #002 on page 50 of this operating permit.

(b) All records shall be maintained for a period of five years.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken.

**SECTION D. Source Level Requirements**

(b) The permittee shall record all inspections, repair, and maintenance performed on the RTO.

(c) The permittee shall maintain records of all monitoring downtime incidents. The permittee shall also record the dates, times and durations, probable causes and corrective actions taken for the incidents.

(d) All records shall be kept for a period of five years.

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

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

- (1) RTO hours of operation on a daily basis, when operating;
- (2) Amount of combined natural gas use for the RTO and dryers, on a monthly basis;

(b) All records shall be maintained for a period of five years.

014 [25 Pa. Code §129.67b]**Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

The RTO combustion chamber temperature reading shall be recorded at least once every 15 minutes while the RTO is operating.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) When starting the RTO, the permittee shall ensure that the normal start-up and shutdown procedures are followed as indicated in the manufacturer's product manual.

(b) The permittee shall post a copy of the startup and shutdown procedures, as indicated in the RTO's product manual, in a visible location near the control box.

016 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The RTO shall be operated as a primary control device for the heatset lithographic presses, Source IDs 119 and 120, and their dryers, Source IDs 119DR and 120DR. Before the RTO is used, all operating conditions including proper temperature conditions shall be followed. No other sources shall be connected to the RTO without prior written Department approval.

017 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall follow the following procedures if an excursion occurs to the RTO:

(1) The permittee shall curtail its operation as soon as possible and not to exceed 15 minutes. No new material may be fed to the presses after 15 minutes.

(2) Should the permittee continue to operate the presses to evacuate all the material already fed into the presses, then all emissions associated with this excursion process during the "run out" shall be considered fugitive. These emissions must be calculated and included in total for facility.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) Prior to the operation of the presses, the RTO combustion chamber temperature shall be operating at the temperatures required by Condition #002 above for RTO Source ID C020.

**SECTION D. Source Level Requirements**

(b) The dryer and the RTO shall be operated for at least 30 minutes after the last VOC application.

(c) The dryer and the RTO shall be operated at all times while materials containing VOCs, to include fountain solution and cleaning solvent, are being applied on the press.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain all monitoring equipment and stock spare parts as necessary for routine onsite repairs.

VII. ADDITIONAL REQUIREMENTS.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The RTO shall meet the following specifications:

- (a) Manufacturer: Applied Web Systems
- (b) Model No.: RTO -10-95
- (c) Type: Thermal
- (d) Preheating: Regenerative
- (e) Design Volume of Gases: 10,000 scfm
- (f) Number of Burners: One (1)
- (g) Fuel: Natural Gas
- (h) Rated Capacity: 1.0 MMBtu/hr

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 1

Group Description: NON HEAT SET PRESSES

Sources included in this group

ID	Name
111	DIDDE UV PRESS 10-COLOR BIC
114	RDP UV PRESS 8-COLOR
123	MIYAKOSHI UV PRESS 10-COLOR
124	SANDEN UV PRESS 8-COLOR QUANTUM 1500XP
125	SANDEN UV PRESS 8-COLOR 24
126	MIYAKOSHI UV PRESS 8-COLOR
127	UV PRESS 7

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the VOC emissions from each press in this group to less than 2.7 tpy VOC on a 12-month rolling sum.

002 [25 Pa. Code §129.52b]**Control of VOC emissions from paper, film and foil surface coating processes.**

The VOC content of as applied inks and coatings shall not contain more than 4.84 lb of VOCs per gallon of coating solid.

003 [25 Pa. Code §129.67b]**Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

(1) The permittee may not cause or permit the emission into the outdoor atmosphere of VOCs from a fountain solution used in a non-heat set offset lithographic printing press unless the fountain solution meets a VOC limit of 5% or less by weight and no alcohol in press-ready (as applied) fountain solution..

(2) The control requirements under paragraph (1) for a fountain solution do not apply to the owner or operator of either of the following:

- (a) A sheet-fed offset lithographic printing press with maximum sheet size 11 x 17 inches or smaller.
- (b) An offset lithographic printing press with total fountain solution reservoir of less than 1 gallon.

004 [25 Pa. Code §129.67b]**Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

(1) A facility may not cause or permit the emission into the outdoor atmosphere of VOCs from cleaning solvents used in or on an offset lithographic printing press or a letterpress printing press unless the following conditions are met:

- (i) The cleaning solvents used must meet one or both of the following VOC limits:
 - (A) A VOC composite partial vapor pressure less than 10 millimeters of mercury at 68°F (20°C).
 - (B) A VOC content less than 70% by weight.

(ii) The use of one or more cleaning solvent with a higher VOC composite partial vapor pressure or higher VOC content, or both, than is listed in subparagraph (i) is limited to 110 gallons per year, combined, of all cleaning solutions that exceed the limits in subparagraph (i).

Throughput Restriction(s).**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only use UV inks in these presses.

**SECTION E. Source Group Restrictions.****II. TESTING REQUIREMENTS.****# 006 [25 Pa. Code §129.67b]****Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

(a) The permittee shall test their coating(s) and fountain solution(s), as applied, for the following in accordance with Method 24, as specified in 40 CFR Part 60, Appendix A:

- (1) volatile matter content;
- (2) water content;
- (3) density;
- (4) volume solids; and
- (5) weight solids.

(b) The permittee shall test each ink, solvent, adhesive, and coating used for hazardous air pollutant (HAP) content by using a Department approved method.

(c) The permittee shall test each coating and fountain solution for each delivery, except those that are delivered having the same lot or batch number that have been previously tested.

(d) The above testing requirements shall be waived if the permittee can demonstrate compliance with any of the following:

- (1) a statement from the supplier that EPA Method 24 was used;
- (2) a Certified Product Data Sheet (CPDS) is received from the supplier; or
- (3) a SDS (the upper bound) is used.

[Compliance with Part (b) or (d) of this condition satisfies the requirements of 25 Pa. Code § 129.52b(d)(1)]

III. MONITORING REQUIREMENTS.**# 007 [25 Pa. Code §129.52b]****Control of VOC emissions from paper, film and foil surface coating processes.**

(a) The permittee shall monitor on a daily the following parameters for each ink, coating, thinner, component or cleaning solvent as supplied:

- (i) Name and identification number of the ink, 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) Volume percent solids.
- (vii) VOC content.

008 [25 Pa. Code §129.67b]**Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

(a) The permittee shall monitor the following on a monthly and 12-month rolling basis for each web offset lithographic press:

- (1) Consumption of inks, coatings, fountain solution and cleaning solvent in pounds or gallons.
- (2) Percent by weight VOC and HAP content as applied.
- (3) VOC and HAP emissions (calculations based on VOC and HAP content as determined by USEPA Test Method 24/24A, CPDS or SDS).

009 [25 Pa. Code §129.67b]**Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

The permittee shall demonstrate compliance with the fountain solution VOC limits in Condition #003 by using one of the following methods:

- (i) Analysis of a sample of the press-ready (as applied) fountain solution for VOC content using EPA Reference Method 24, Determination of Volatile Matter Content, Water Content, Density, Volume Solids, and Weight Solids of Surface Coatings, codified in 40 CFR Part 60, Appendix A, including updates and revisions.

**SECTION E. Source Group Restrictions.**

(ii) Maintenance onsite of SDS, CPDS or other data provided by the manufacturer of the fountain solution that indicates the VOC content of the press-ready (as applied) fountain solution.

(iii) Calculation of the VOC content of the press-ready (as applied) fountain solution that combines the EPA Reference Method 24 analytical VOC content data for each of the concentrated components or additives used to prepare the pressready fountain solution:

(A) The VOC content data for each of the concentrated components or additives shall be combined in the proportions in which the concentrated components or additives are mixed to make the batch of press-ready (as applied) fountain solution.

(B) The VOC content shall be calculated one time for each recipe of press-ready (as applied) fountain solution. The recipe name, VOC content for each concentrated component or additive and fountain solution mix ratio shall be recorded in a logbook.

(C) The EPA Reference Method 24 analysis of the concentrated components or additives used to prepare the pressready (as applied) fountain solution may be performed by the supplier of the components or additives and these results provided to the owner or operator of the affected press.

(iv) Measurement of the recirculating reservoir temperature of a refrigerated press-ready (as applied) fountain solution specified in subsection (c)(2)(i)(B) or (ii)(B) with a thermometer or other temperature detection device capable of reading to 0.5°F (0.28°C) to ensure that the temperature of the refrigerated fountain solution containing alcohol is maintained below 60°F (15.5°C) at all times. The temperature on the thermometer or other temperature detection device shall be continuously monitored. The temperature reading shall be recorded at least once per operating day to verify that the refrigeration system is operating properly.

(v) Monitoring of the press-ready (as applied) fountain solution for alcohol concentration or VOC content with one or more of the following instruments:

(A) A refractometer or a hydrometer to monitor the fountain solution alcohol concentration. The instrument must:

- (1) Be corrected for temperature one time per 8-hour shift.
- (2) Have a visual, analog or digital readout with an accuracy of 0.5%.
- (3) Be calibrated with a standard solution for the type of alcohol used in the fountain solution.

(B) A conductivity meter to determine the fountain solution VOC content. Reading for the fountain solution must be referenced to the conductivity of the incoming water.

(vi) Another method to determine compliance with the VOC content limits for fountain solutions in subsection (c)(2) if the following requirements are met:

(A) The facility owner or operator submits a request, in writing, to the appropriate regional office of the Department for approval of the alternative method.

(B) The request demonstrates that the alternative method provides results that accurately determine the fountain solution VOC content.

(C) The Department provides prior written approval of the alternative method.

010 [25 Pa. Code §129.67b]**Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

The permittee shall demonstrate compliance with the cleaning solutions VOC limits in Condition #004 by using one of the following methods:

(i) Analysis of a sample of press-ready (as applied) cleaning solution for VOC content using EPA Reference Method 24.

(ii) Use of the equation in 25 Pa Code § 129.67b(j) to calculate the composite partial vapor pressure of the press-ready (as applied) cleaning solution.

(iii) Use of the methods in 25 Pa Code § 129.67b(k) to determine the VOC composite partial vapor pressure of a single

**SECTION E. Source Group Restrictions.**

concentrated component or additive used to prepare the press-ready (as applied) cleaning solution.

(iv) Maintenance onsite of SDS, CPDS or other data provided by the manufacturer of the press-ready (as applied) cleaning solution that indicates the VOC content or the VOC composite partial vapor pressure, or both, of the press-ready (as applied) cleaning solution.

(v) Calculation of the VOC content or the VOC composite partial vapor pressure, or both, of the press-ready (as applied) cleaning solution that combines the EPA Reference Method 24 analytical VOC content data or analytical VOC composite partial vapor pressure data for each of the concentrated components or additives used to prepare the press-ready (as applied) cleaning solution:

(A) The VOC content data or VOC composite partial vapor pressure data for each of the concentrated components or additives shall be combined in the proportions in which the concentrated components or additives are mixed to make the batch of press-ready (as applied) cleaning solution.

(B) The VOC content or VOC composite partial vapor pressure shall be calculated one time for each recipe of press ready (as applied) cleaning solution. The recipe name, VOC content or VOC composite partial vapor pressure for each concentrated component or additive and cleaning solution mix ratio shall be recorded in a log book.

(C) The EPA Reference Method 24 analysis of the concentrated components or additives used to prepare the pressready (as applied) cleaning solution may be performed or the VOC composite partial vapor pressure data may be determined by the supplier of the components or additives and these results provided to the owner or operator of the affected press.

(vi) Another method to determine compliance with the VOC content limits for cleaning solutions in Condition #004 if the following requirements are met:

(A) The facility owner or operator submits a request, in writing, to the appropriate regional office of the Department for approval of the alternative method.

(B) The request demonstrates that the alternative method provides results that accurately determine the cleaning solution VOC content or VOC composite partial vapor pressure.

(C) The Department provides prior written approval of the alternative method.

IV. RECORDKEEPING REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall record VOC and HAP emissions from each press on a monthly and 12-month rolling sum basis.

012 [25 Pa. Code §129.67b]**Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

(a) The permittee shall maintain the following records on a monthly basis for each offset lithographic press:

(1) Consumption of each ink, coating, fountain solution and cleaning solvent in pounds or gallons.

(2) Percent by weight VOC and HAP content as applied.

(3) VOC and HAP emissions.

(4) Alternately, for inks and coatings, the ink and coating with the highest VOC and HAP content may be used to represent all inks and coatings used by all web offset lithographic printing presses.

V. REPORTING REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 013 [25 Pa. Code §129.67b]****Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

(a) The permittee shall comply with the following work practices for cleaning activities at the facility:

- (1) Store all VOC-containing cleaning solutions, waste cleaning solutions and used shop towels in closed containers.
- (2) 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.
- (3) Minimize spills of VOC-containing cleaning solutions and waste cleaning solutions and clean up spills immediately.
- (4) Convey VOC-containing cleaning solutions, waste cleaning solutions and used shop towels from one location to another in closed containers or pipes.

(b) The requirements in paragraph (a) apply to the following activities:

- (1) Cleaning of a press, including blanket washing, roller washing, plate cleaners, metering roller cleaners, impression cylinder cleaners and rubber rejuvenators.
- (2) Cleaning of press parts, including press parts that have been removed from the press for cleaning.
- (3) Cleaning of ink, coating or adhesive from areas around a press.

(c) The requirements in paragraph (a) do not apply to the following activities:

- (1) Cleaning electronic components of a press.
- (2) Cleaning in pre-press (for example, platemaking) operations.
- (3) Cleaning in post-press (for example, binding) operations.
- (4) Using janitorial supplies (for example, detergents or floor cleaners) for general cleaning around a press.
- (5) The use of parts washers or cold cleaners at an offset lithographic printing or a letterpress printing facility. The use of parts washers and cold cleaners is regulated under 25 Pa Code § 129.63 (relating to degreasing operations).

[Compliance with this Condition satisfies the requirements under 25 Pa Code § 129.52b(h)]

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 6

Group Description: HEAT SET LITHOGRAPHIC PRESSES WITH DRYERS

Sources included in this group

ID	Name
119	HARRIS HEAT-SET PRESS M100L WITH DRYER
120	HARRIS HEAT-SET PRESS M110B WITH DRYER

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The individual post control VOC emissions from the presses shall not exceed :

(1) 119 - 0.523 lb/hr

(2) 120 - 0.444 lb/hr

(b) The aggregate post control VOC emissions from Sources 119 and 120 (to include dryers and RTO natural gas combustion) shall not exceed 1.00 lb/hr.

(c) The individual press post control VOC emissions were calculated using the calculation format presented in PA Permit Manual, section 7.8 Heatset Web offset Press:

$$U = S \times 60 \times (12/C) \times A \times N \times W \times (F/10^6) \times (P/100)$$

$$E = U \times (O/100) \times 0.8$$

Where:

S = Web speed (FPM)

I = No. of impressions per hour

C = Web cut off length (in.)

A = Printable area (sq.in./impression)

N = No. of websides

W = No. of webs used at a time with the corresponding ink coverage

P = Total ink coverage (%)*

U = Ink consumption (lbs/hr)

E = Ink oil emissions (lbs/hr)

O = Ink oil (% by weight)

F = Emission factor:

0.72 for coated paper; or,

1.05 for uncoated paper

(* Maximum possible ink coverage per printing unit is 100 %, e.g., total ink coverage for a 4-unit press is 400 %.)

In the absence of impression area information (A) the ink consumption (U) can be calculated using the web width (D) as follows:

$$U = S \times 60 \times 12 \times D \times N \times W \times (F/10^6) \times (P/100)$$

Where: D = Web width (in.)

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The emissions from each press in this group shall not exceed 2.7 tons of VOC per year.

**SECTION E. Source Group Restrictions.****# 003 [25 Pa. Code §129.52b]****Control of VOC emissions from paper, film and foil surface coating processes.**

The VOC content of as applied inks and coatings shall not contain more than 4.84 lb of VOCs per gallon of coating solid.

004 [25 Pa. Code §129.67b]**Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

(1) The permittee may not cause or permit the emission into the outdoor atmosphere of VOCs from a fountain solution used in a heat set offset lithographic printing press unless the fountain solution meets one or more of the following VOC limits:

(i) For each heatset web offset lithographic printing press, the press-ready (as applied) fountain solution must meet one of the following limits:

(A) A VOC content of 1.6% or less by weight.

(B) A VOC content of 3% or less by weight if the fountain solution is refrigerated below 60°F (15.5°C).

(C) A VOC content of 5% or less by weight and no alcohol in the fountain solution.

(D) Another method that achieves a level of control of VOC emissions from the press-ready (as applied) fountain solution equal to or better than the methods listed in clauses (A)—(C).

(ii) For each sheet-fed offset lithographic printing press, the press-ready (as applied) fountain solution must meet one of the following limits:

(A) A VOC content of 5% or less by weight.

(B) A VOC content of 8.5% or less by weight if the fountain solution is refrigerated below 60°F (15.5°C).

(C) A VOC content of 5% or less by weight and no alcohol in the fountain solution.

(D) Another method that achieves a level of control of VOC emissions from the press-ready (as applied) fountain solution equal to or better than the methods listed in clauses (A)—(C).

(2) The fountain solution requirements under paragraph (1) above do not apply to presses that meet the following:

(i) A sheet-fed offset lithographic printing press with maximum sheet size 11 x 17 inches or smaller.

(ii) An offset lithographic printing press with total fountain solution reservoir of less than 1 gallon.

005 [25 Pa. Code §129.67b]**Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

The permittee may not cause or permit the emission into the outdoor atmosphere of VOCs from cleaning solutions used in or on an offset lithographic printing press or a letterpress printing press unless the following conditions are met:

(i) The cleaning solutions used must meet one or both of the following VOC limits:

(A) A VOC composite partial vapor pressure less than 10 millimeters of mercury at 68°F (20°C).

(B) A VOC content less than 70% by weight.

006 [25 Pa. Code §129.67b]**Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

(a) The permittee may not cause or permit the emission into the outdoor atmosphere of VOCs from a heatset web offset lithographic printing press unless the overall weight of VOCs emitted to the atmosphere from the heatset dryer is reduced through the use of vapor recovery or oxidation.

(b) The heatset dryer pressure must be maintained lower than the press room area pressure so that air flows into the heatset dryer at all times when the press is operating.

007 [25 Pa. Code §129.67b]**Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.**

(a) The permittee has chosen to meet the 100% capture requirement in 25 Pa Code § 129.67b(l)(2) by installing a

**SECTION E. Source Group Restrictions.**

permanent total enclosure and complying with the conditions in 40 CFR § 60.713(a)(5)(i)(A) through (D). By complying with these conditions the permittee meets the definition of a permanent total enclosure as defined in 40 CFR § 60.711(a)(17).

(b) All VOC emissions from the presses and associated dryers shall be vented to the RTO (C020).

Fuel Restriction(s).

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Dryer associated with each press shall burn only natural gas as a fuel.

II. TESTING REQUIREMENTS.

009 [25 Pa. Code §129.67b]

Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.

(a) The permittee shall test their coating(s) and fountain solution(s), as applied, for the following in accordance with Method 24, as specified in 40 CFR Part 60, Appendix A:

- (1) volatile matter content;
- (2) water content;
- (3) density;
- (4) volume solids; and
- (5) weight solids.

(b) The permittee shall test each ink, solvent, adhesive, and coating used for hazardous air pollutant (HAP) content by using a Department approved method.

(c) The permittee shall test each coating for each delivery, except those that are delivered having the same lot or batch number that have been previously tested.

(d) The above testing requirements shall be waived if the permittee can demonstrate compliance with any of the following:

- (1) a statement from the supplier that EPA Method 24 was used;
- (2) a Certified Product Data Sheet (CPDS) is received from the supplier; or
- (3) a SDS (the upper bound) is used.

[Compliance with Part (b) or (d) of this condition satisfies the requirements of 25 Pa. Code § 129.52b(d)(1)]

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor and calculate the after control (C020) VOC and HAP emissions from each press on a monthly basis and a 12-month rolling basis.

(b) The permittee shall monitor the press run time hours on a monthly basis for each press.

(c) The post-control VOC and HAP emissions rate for the presses shall be calculated by using hours of operation; VOC and HAP content of all applied inks, coatings, fountain solution and cleaning solutions used; the percent of VOC and HAP not retained in substrate; the percent capture efficiency of enclosure; and the control efficiency of the RTO (C020).

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Combustion emissions from the dryers associated with each press shall be accounted for under the emissions monitoring for the RTO (C020) by calculating emissions based on combined fuel usage for the dryers and RTO.

**SECTION E. Source Group Restrictions.****# 012 [25 Pa. Code §129.52b]****Control of VOC emissions from paper, film and foil surface coating processes.**

- (a) The permittee shall monitor, per job, the following parameters for each coating, thinner, component or cleaning solvent:
- (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 of each coating or cleaning solvent as supplied.
 - (vii) VOC content of each as applied coating or cleaning solvent.

IV. RECORDKEEPING REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall record the after control VOC emissions from the presses on a monthly and a 12-month rolling basis for each press.

(b) The permittee shall record the press run time hours on a monthly basis for each press.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Combustion emissions from the dryers associated with these presses shall be recorded as part of the combustion emissions from the RTO (C020) and be calculated as stated in Condition #011 for this group.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall install, maintain and operate the presses and dryers in accordance with manufacturer's specifications and good air pollution control practice. If manufacturer's specifications are not available, the owner or operator shall follow good air pollution control practice.

(b) Under no circumstances shall the RTO (Control C020) be bypassed while the presses are operating. The presses and dryers shall not operate without the RTO functioning within the parameters written into this Operating Permit without prior written approval from the Department.

016 [25 Pa. Code §129.52b]**Control of VOC emissions from paper, film and foil surface coating processes.**

(a) The permittee shall comply with the following work practices for cleaning activities at the facility:

- (1) Store all VOC-containing cleaning solutions, waste cleaning solutions and used shop towels in closed containers.
- (2) 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.
- (3) Minimize spills of VOC-containing cleaning solutions and waste cleaning solutions and clean up spills immediately.
- (4) Convey VOC-containing cleaning solutions, waste cleaning solutions and used shop towels from one location to another in closed containers or pipes.

**SECTION E. Source Group Restrictions.**

(b) The requirements in paragraph (a) apply to the following activities:

(1) Cleaning of a press, including blanket washing, roller washing, plate cleaners, metering roller cleaners, impression cylinder cleaners and rubber rejuvenators.

(2) Cleaning of press parts, including press parts that have been removed from the press for cleaning.

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

017 [25 Pa. Code §129.67b]

Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.

The permanent total enclosure shall not be modified, altered or tampered with without the Department's prior written approval.

VII. ADDITIONAL REQUIREMENTS.

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



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
111	DIDDE UV PRESS 10-COLOR BIC		
Emission Limit		Pollutant	
2.750	Tons/Yr	each press in group	VOC
4.840	Lbs/Gal	of coating solids for inks and coatings	VOC
114	RDP UV PRESS 8-COLOR		
Emission Limit		Pollutant	
2.750	Tons/Yr	each press in group	VOC
4.840	Lbs/Gal	of coating solids for inks and coatings	VOC
118	EMERGENCY GENERATOR (382 BHP)		
Emission Limit		Pollutant	
2.750	Tons/OZNESEAS	all emergency generators onsite	NOX
6.600	Tons/Yr	all emergency generators onsite	NOX
100.000	Lbs/Hr	all emergency generators onsite	NOX
1,000.000	Lbs/Day	all emergency generators onsite	NOX
500.000	PPMV		SOX
0.040	gr/DRY FT3		TSP
119	HARRIS HEAT-SET PRESS M100L WITH DRYER		
Emission Limit		Pollutant	
0.444	Lbs/Hr	Post-control (C020) for Source 120	VOC
0.523	Lbs/Hr	Post-control (C020) for Source 119	VOC
1.000	Lbs/Hr	Combined, post-control (C020)	VOC
2.700	Tons/Yr	Each press in group	VOC
4.840	Lbs/Gal	of coating solids for inks and coatings	VOC
120	HARRIS HEAT-SET PRESS M110B WITH DRYER		
Emission Limit		Pollutant	
0.444	Lbs/Hr	Post-control (C020) for Source 120	VOC
0.523	Lbs/Hr	Post-control (C020) for Source 119	VOC
1.000	Lbs/Hr	Combined, post-control (C020)	VOC
2.700	Tons/Yr	Each press in group	VOC
4.840	Lbs/Gal	of coating solids for inks and coatings	VOC
123	MIYAKOSHI UV PRESS 10-COLOR		
Emission Limit		Pollutant	
2.750	Tons/Yr	each press in group	VOC
4.840	Lbs/Gal	of coating solids for inks and coatings	VOC
124	SANDEN UV PRESS 8-COLOR QUANTUM 1500XP		
Emission Limit		Pollutant	
2.750	Tons/Yr	each press in group	VOC
4.840	Lbs/Gal	of coating solids for inks and coatings	VOC

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
125	SANDEN UV PRESS 8-COLOR 24		
Emission Limit			
2.750	Tons/Yr	each press in group	VOC
4.840	Lbs/Gal	of coating solids for inks and coatings	VOC
126	MIYAKOSHI UV PRESS 8-COLOR		
Emission Limit			
2.750	Tons/Yr	each press in group	VOC
4.840	Lbs/Gal	of coating solids for inks and coatings	VOC
127	UV PRESS 7		
Emission Limit			
2.750	Tons/Yr	each press in group	VOC
4.840	Lbs/Gal	of coating solids for inks and coatings	VOC
C020	REGENERATIVE THERMAL OXIDIZER		
Emission Limit			
0.559	Lbs/Hr		CO
0.855	Lbs/Hr		NOX
20.000	PPMV	as methane	VOC

Site Emission Restriction Summary

Emission Limit			Pollutant
20.000	Tons/Yr	12-month rolling sum basis	VOC
1.000	Tons/Yr	12-month rolling sum basis	Hazardous Air Pollutants
20.000	Tons/Yr		VOC
1.000	Tons/Yr		Hazardous Air Pollutants

**SECTION H. Miscellaneous.**

(a) Certain terms and conditions that appear in this permit have been derived from the previously issued RACT operating permit (OP-46-0049) and General Permit 46-320-036GP (Source ID 113 Press No. 3 and Source ID 114 Press No. 4).

(b) The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping:

(1) Collating Machine - folding and perforating machine - less than 0.01 tons per year potential to emit VOC.

(2) Two (2) Plate Processors - all digital - less than 0.2 tons per year potential to emit VOC.

(3) Space Heaters - 19 space heaters fired by Natural Gas, ranging from 0.125 MMBtu/hr to 0.37 MMBtu/hr.

(c) This permit is a Minor Modification (APS: 345476 / AUTH: 734237) to incorporate the use of a scratch-off coating at Press 6 - 9 Color Diddie VIP (Source ID 116). The increase is authorized according to 25 Pa. Code § 127.449(d)(5) because the increase in VOC emissions is less than 1 ton per year (1,998 lbs/yr), and is therefore a de minimis emission increase.

(d) This permit is the renewal permit (APS: 345476 / AUTH: 846911) for the existing Natural Minor facility. The following items are addressed with this renewal permit:

(1) Source ID 115 (Press 5 - 6 Color Diddie VIP) has been removed from the facility and no longer appears in Section A (Site Inventory) and Section D (Source Level Requirements) of the permit.

(2) Two (2) Safety Kleen Parts Washers (Source ID 107) have been removed from the plant and no longer appear in Section A (Site Inventory) and Section D (Source Level Requirements) of the permit.

(3) A 250-kW Caterpillar Diesel Emergency Generator was installed in October 2007 (RFD No. 151) and now appears in Section A (Site Inventory) and Section D (Source Level Requirements) as Source ID 118 (250-kW Diesel Emergency Generator). The recordkeeping requirements demonstrating compliance with NO_x emission limits for all exempt engines on site, as applicable, have been added to the renewal permit for Source ID 118.

(e) The 2016 permit renewal is under APS ID No. 345476 and AUTH No. 1092219. This renewal also includes the following:

(1) Operating permit amendment to incorporate Plan Approval 46-0049A under APS ID No. 345476 and AUTH No. 1093390. The amendment includes the addition of: Source No. 119, Source No. 120 and Source No. C020. In addition, conditions from the Department approved and completed source test on Source No. C020.

(2) Removal of the following sources, Source No. 112, Source No. 116 and Source No. 121, which are no longer located at this facility.

(3) Inclusion of the new regulation, 25 Pa. Code § 129.67b. Control of VOC emissions from offset lithographic printing presses.

(f) This State Only Operating Permit (APS 1011015, AUTH ID 1304963) has been amended to address a change in ownership from International Business Systems, Inc (Tax ID 23-1718316) to Logan Marketing Group, DBA Intellus (81-2442466) and a change in responsible Official from Mr. Ted Sherwin to Ms. Michelle Versace

(g) Renewal of State Only Operating Permit 46-00049 under APS 1011015 and Auth ID 1313213. Changes occurring during this renewal include: removal of Source IDs 110 and 113 (11.5 HP generator and RPD 6 color UV press), grouping of presses into UV Presses and Heat Set Presses in Section E, the addition of Press #7 (Source ID 127), changing of Responsible Official to Mike Henry, and moving of requirements under 25 Pa Code §§ 129.52b and 129.67b to Section E. Although Press 113 has been removed from Sections D and E of the permit because the press has not been operated in more than one year (as required under 25 Pa Code § 127.11a), the source remains on site. If Intellus intends to reactivate the source, the facility will need to submit, at minimum, an RFD requesting reactivation.

(h) Administrative Amendment to change ownership from Logan Marketing, DBA Intellus (Tax ID 81-2442466, Client 355093), to Tension International, Tax ID 43-1526721, Client No. 370252 with Responsible Official changes to Mr. Lon Robinson III from Ms. Michelle Versace.



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