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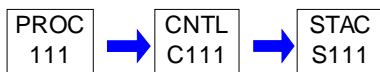
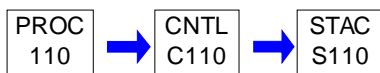
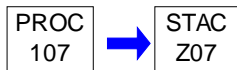
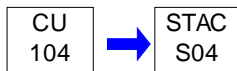
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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
104	SPACE HEATERS	2.500 MCF/HR	Natural Gas
107	CLEAN-UP SOLVENT USE	2.000 Gal/HR	BLANKET WASH SOLVEN
109	PARTS WASHERS (3)		
110	WEB OFFSET LITHOGRAPHY PRESSLINE	7.160 MMBTU/HR	
		7.160 MCF/HR	Natural Gas
		693.300 Lbs/HR	INK
111	GOSS C7001 WEB OFFSET PRESSLINE	7.160 MMBTU/HR	
		7.160 MCF/HR	Natural Gas
		677.000 Lbs/HR	INK
C110	GOSS ECOCOOL AFTERBURNER		
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S04	SPACE HEATER STACKS		
S110	GOSS C7001 PRESSLINE AFTERBURNER STACK		
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Z07	CLEANING FUGITIVES		

PERMIT MAPS

**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)&(c)]**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 and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).

(1) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

(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 fees according to the following schedule specified in 25 Pa. Code § 127.703(b):

(1) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,

**SECTION B. General State Only Requirements**

modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

#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

**SECTION B. General State Only Requirements**

a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

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

(b) A person may not cause or permit the operation of a source which is subject to 25 Pa. Code Article III unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued 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]**Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

**SECTION B. General State Only Requirements**

significant operating permit modifications, under this permit, as outlined below:

(b) Administrative Amendments. The permittee shall make 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 make minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

#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

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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 act.

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

(a) No person may permit the emission into the outdoor atmosphere of 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) Not applicable.

(8) Not applicable.

(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; and

(ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

(b) An application form for requesting a determination under either subsection (a)(9) or 129.15(c) is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions, and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant shall be required to demonstrate that the requirements of subsections (a)(9) and (c) and 123.2 (relating to fugitive particulate matter) or of the requirements of 129.15(c) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

(c) See Work Practice requirements.

(d) Not applicable.

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 Section C, Condition #001, above (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

**SECTION C. Site Level Requirements****# 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 Elective Restriction

This facility may not emit more than 9.5 tons of any individual Hazardous Air Pollutant (HAP), or more than 24.5 tons of combined HAPS in any consecutive 12-month period.

006 Elective Restriction

The permittee may not permit the emission of Volatile Organic Compounds (VOCs) from the facility in a quantity greater than 49.9 tons per year in any consecutive twelve (12) month period. This twelve (12) month rolling total shall be calculated monthly by adding the VOC emissions from the current month to the VOC emissions for the previous eleven (11) months.

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.**# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

All records required to be maintained by this permit shall be kept for a period of five years.

008 [25 Pa. Code §135.5]**Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

009 elective restriction

(a) The permittee shall record the VOC emissions from each source identified in this permit according to the procedures identified in the source level requirements for each source.

(b) The permittee shall record and maintain a record of the monthly VOC emissions from each source, the total monthly emissions from the facility and the twelve (12) month rolling total of VOC emissions from the facility.

(c) The permittee shall maintain all records used to calculate the emissions, as described in Paragraph (b), for a period of five years.

010 elective restriction

(a) The permittee shall maintain monthly records of all HAP containing materials used at the site. Allowances are to be made for any HAPs disposed of as waste. The monthly records of HAP emissions shall be used to determine the twelve-month rolling total of HAP emissions on a monthly basis.

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(b) The permittee shall collect and record the applicable information specified in this Condition. The information shall be maintained at the facility for a minimum of 5 years and shall be made available to an authorized Department representative at any time during normal working hours. The information required is:

(1) For each ink or varnish used: the monthly consumption in pounds or gallons; the percent by weight VOC and HAP content, as applied; and, an estimate of VOC and HAP emissions. Alternately, the ink with the highest VOC and HAP content may be used to represent all inks used by the printing press.

(2) For each fountain solution and additive: the monthly consumption in pounds or gallons; the percent by weight or weight to volume ratio (lbs/gal) VOC and HAP content, and, an estimate of VOC and HAP emissions.

(3) For each blanket and roller cleaning solution used: the monthly consumption in pounds or gallons; the percent by weight or weight to volume ratio (lbs/gal) VOC and HAP content, and, an estimate of VOC and HAP emissions.

(4) For each month of operation, the volume of all cleaning solutions (other than blanket and roller cleaning solution): the monthly consumption in pounds or gallons; the percent by weight or weight to volume ratio (lbs/gal) VOC and HAP content, and, an estimate of the VOC and HAP emissions.

(5) For each month of operation, an estimate of VOC and HAP emissions during the latest 12 months.

V. REPORTING REQUIREMENTS.**# 011 [25 Pa. Code §135.21]****Emission statements**

(a) Except as provided in subsection (d), this section applies to stationary sources or facilities:

(1) Located in an area designated by the Clean Air Act as a marginal, moderate, serious, severe or extreme ozone nonattainment area and which emit oxides of nitrogen or VOC.

(2) Not located in an area described in subparagraph (1) and included in the Northeast Ozone Transport Region which emit or have the potential to emit 100 tons or more oxides of nitrogen or 50 tons or more of VOC per year.

(b) The owner or operator of each stationary source emitting oxides of nitrogen or VOC's shall provide the Department with a statement, in a form as the Department may prescribe, for classes or categories of sources, showing the actual emissions of oxides of nitrogen and VOCs from that source for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate.

(c) Annual emission statements are due by March 1 for the preceding calendar year beginning with March 1, 1993, for calendar year 1992 and shall provide data consistent with requirements and guidance developed by the EPA. The guidance document is available from: United States Environmental Protection Agency, 401 M. Street, S.W., Washington, D.C. 20460. The Department may require more frequent submittals if the Department determines that one or more of the following applies:

(1) A more frequent submission is required by the EPA.

(2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the act.

(d) Not applicable.

012 [25 Pa. Code §135.3]**Reporting**

(a) A person who owns or operates a source to which this chapter applies, and who has previously been advised by the Department to submit a source report, shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all 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.

**SECTION C. Site Level Requirements**

(b) Not applicable.

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

013 [25 Pa. Code §135.4]**Report format**

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

VI. WORK PRACTICE REQUIREMENTS.**# 014 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

[From 25 Pa. Code § 123.1(c)]

A person responsible for any source specified in Section C, Condition #001, above, shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

015 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The sources are to be installed, operated, and maintained in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.**# 016 [25 Pa. Code §129.14]****Open burning operations**

(a) Not applicable.

(b) Outside of air basins. No person may permit the open burning of material in an area outside of air basins in a manner that:

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

(c) Exceptions: The requirements of subsections (a) and (b) do not apply where the open burning operations result from:

- (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a

**SECTION C. Site Level Requirements**

public officer.

(2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(3) A fire set for the prevention and control of disease or pests, when approved by the Department.

(4) Not applicable.

(5) Not applicable.

(6) A fire set solely for recreational or ceremonial purposes.

(7) A fire set solely for cooking food.

(d) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

(1) As used in this subsection the following terms shall have the following meanings:

Air curtain destructor -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

Clearing and grubbing wastes -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) Not applicable.

(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b) of this section.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

[This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P.S. § 6018.610(3), or any other provision of the Solid Waste Management Act.]

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**

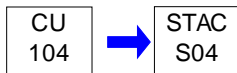
Source ID: 104

Source Name: SPACE HEATERS

Source Capacity/Throughput:

2.500 MCF/HR

Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.22]****Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

002 [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:

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

003 [25 Pa. Code §123.42]**Exceptions**

The opacity limitations for this source shall not apply to a visible emission in any of the following instances:

- (1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

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.**# 004 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

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).



SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

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).

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**

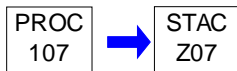
Source ID: 107

Source Name: CLEAN-UP SOLVENT USE

Source Capacity/Throughput:

2.000 Gal/HR

BLANKET WASH SOLVENT

**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.**# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall maintain a record of the actual monthly usage of cleanup solvents at the facility. The monthly usage shall be determined by adding the amount of cleanup solvent purchased during the current month to the amount of solvent in the facility's possession at the beginning of the month then subtracting the amount of solvent in the facility's inventory at the end of the month and the amount shipped out for disposal or reclamation. The monthly usage may not be estimated based upon production rates.

(b) The permittee shall add the monthly cleanup solvent usage determined in paragraph (a), above, to the monthly cleanup solvent usage totals for the previous eleven (11) calendar months.

[From Plan Approval No. 10-171B, Condition # 001, parts (a) & (b) were previously listed as elective restrictions]

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall maintain a record of the monthly cleanup solvent usage at the facility and the corresponding twelve (12) month rolling totals.

[From Plan Approval No. 10-171B, Condition # 002, this was previously listed as an elective restriction]

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.**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall perform the following work practices to minimize the use of clean-up solvents for this source:

(1) Maintain dampening manifolds for impression cylinders to reduce the amount of solvent used during start-up of this source.

(2) Used solvent will be collected, drummed, and sent off-site for disposal and/or recovery as hazardous waste.

**SECTION D. Source Level Requirements**

(3) Use only dirty rag barrels which have been adapted with a faucet for the draining of excess solvent.

(4) Use only water soluble cleaners for general cleaning.

[Parts (1), (3), & (4) from Plan Approval No. 10-320-002, Condition No. 10 & from Plan Approval No. 10-171B, Condition # 003(1), (3), & (4). Part (2) from Plan Approval No. 10-171B, Condition # 003(2)]

004 [25 Pa. Code §129.67b]**Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.****(i) WORK PRACTICE REQUIREMENTS FOR CLEANING ACTIVITIES.**

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

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

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

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

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

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

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

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

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

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

(i) Cleaning electronic components of a press.

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

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

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

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

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

This source must comply with applicable requirements pursuant to 25 Pa. Code § 129.67b. For conditions of the following sections, see Sources 110 and 111 in Section D of this operating permit.

**SECTION D. Source Level Requirements**

- (1) VOC limits for cleaning solutions pursuant to § 129.67b(c)(1).
 - (1.1) Cleaning solutions used for Source 110 are subject to the more stringent VOC limits pursuant to PA 10-171C.
- (2) Testing for VOC content pursuant to § 129.67b(h)(1).
- (3) Recordkeeping requirements for cleaning solutions pursuant to § 129.67b(f)(2) & (f)(4).
- (4) Determination of VOC content and VOC composite partial vapor pressure pursuant to § 129.67b(e)(3), (j), & (k).

**SECTION D. Source Level Requirements**

Source ID: 109

Source Name: PARTS WASHERS (3)

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.

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

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

(a) COLD CLEANING MACHINES. Except for those subject to the Federal National emissions standards for hazardous air pollutants (NESHAP) for halogenated solvent cleaners under 40 CFR Part 63 (relating to National emission standards for hazardous air pollutants for source categories), this subsection applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

(1) Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.

(2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). In addition, the label shall include the following discretionary good operating practices:

(A) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.

(B) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.

(C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

(ii) 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.

**SECTION D. Source Level Requirements**

(3) Cold cleaning machines shall be operated in accordance with the following procedures:

(i) 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.

(ii) 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.

(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.

(iv) Air agitated solvent baths may not be used.

(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

(4) - (7) [Omitted. Paragraphs (a)(4) through (a)(7) do not apply to removal of inks from the printing press parts. These paragraphs will only apply to removal of oils, grease, and/or dirt from parts that are not in contact with or do not have inks on the surface. See VII. Additional Requirements for this source.]

(b) - (e) [Not applicable]

VII. ADDITIONAL REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source must comply with applicable requirements pursuant to 25 Pa. Code § 129.67b. For conditions of the following sections, see Sources 110 and 111 in Section D of this operating permit.

(1) VOC limits for cleaning solutions pursuant to § 129.67b(c)(1).

(1.1) Cleaning solutions used for Source 110 are subject to the more stringent VOC limits pursuant to PA 10-171C.

(2) Testing for VOC content pursuant to § 129.67b(h)(1).

(3) Recordkeeping requirements for cleaning solutions pursuant to § 129.67b(f)(2) & (f)(4).

(4) Determination of VOC content and VOC composite partial vapor pressure pursuant to § 129.67b(e)(3), (j), & (k).

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Under the authority of § 129.63, the following, which are § 129.63(a)(4) & (a)(7), will apply if this source is used for removal of oils, grease, and/or dirt from metal parts. These do not apply for removal of inks.

(a) COLD CLEANING MACHINES.

(4) After December 22, 2002, a person 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.

(5) - (6) [Streamlined out by § 127.67b(f)]

(7) Paragraph (4) does not apply:

(i) To cold cleaning machines used in extreme cleaning service.

**SECTION D. Source Level Requirements**

(ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.

(iii) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

**SECTION D. Source Level Requirements**

Source ID: 110

Source Name: WEB OFFSET LITHOGRAPHY PRESSLINE

Source Capacity/Throughput:

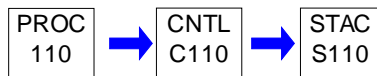
7.160 MMBTU/HR

7.160 MCF/HR

Natural Gas

693.300 Lbs/HR

INK

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

(a) This section applies to sources except those subject to other provisions of this article, with respect to the control of sulfur compound emissions.

(b) No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

002 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) Emissions shall with 25 PA Code 123.1, 123.31, & 123.41 for fugitive, odor, and visible emissions respectively.

(b) No person may permit the emission into the outdoor atmosphere of filterable particulate matter in a manner that the concentration of filterable particulate matter (FPM) in the effluent gas exceeds 0.02 grain per dry standard cubic foot.

(c) The VOC emissions shall not exceed 4.1 #/hr from the afterburner.

[From Plan Approval 10-171C]

003 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(c) Any blanket and roller cleaning solution used shall meet one of the following requirements:

(1) VOC content, as applied, is less than or equal to 30% by weight, or;

(2) VOC composite partial vapor pressure, as used, is less than or equal to 10 mm Hg @ 20°C (68°F).

(3) The use of cleaning solutions not meeting #1 or #2 above is permitted provided that the quantity used does not exceed 55 gallons over any twelve (12) consecutive months.

[From Plan Approval 10-171C. For paragraphs (a) to (b) & (d) to (k), see VI. Work Practice Requirements for this source.]

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

(c) EMISSION LIMITS FOR CLEANING SOLUTIONS AND FOUNTAIN SOLUTIONS USED IN OR ON PRINTING PRESSES SUBJECT TO THIS SECTION.

(1) CLEANING SOLUTIONS. Beginning January 1, 2015, a person subject to subsection (a)(1)(i), (ii), (iii) or (iv) 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).

**SECTION D. Source Level Requirements**

(B) [Compliance with PA 10-171C's 30% VOC content limit streamlines out & assures compliance with the 70% content limit of § 129.67b(e)(1)(i)(B).]

(ii) [Compliance with PA 10-171C's 55-gal limit streamlines out & assures compliance with the 110-gal limit of § 129.67b(2)(1)(ii).]

(2) FOUNTAIN SOLUTIONS. Except as specified in paragraph (3), beginning January 1, 2015, a person subject to subsection (a)(1)(i), (iii) or (iv) may not cause or permit the emission into the outdoor atmosphere of VOCs from a fountain solution used in an 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) [Omitted. The solvent used by the permittee is not maintained/refrigerated at temperatures below 60°F (15.5°C).]

(C) [Omitted. The solvent used by the permittee is not alcohol-free.]

(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) - (iii) [Not Applicable]

(3) [Not Applicable]

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

The post-control outlet VOC concentration for this source shall not to exceed 40 ppm as propane (or 20 ppm as hexane) on a dry basis.

[Authority for this condition is derived from § 129.67b(d)(1)(iii) & (iv). The alternative limit of 40-ppm as propane replaces the 90% VOC control efficiency of § 129.67b(d)(1)(i). See VII. Additional Requirements for this source.]

II. TESTING REQUIREMENTS.**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) Within 60 days after achieving the normal production rate at which the affected source will be operated, but not later than 180 days after initial start-up of the source/control device, a stack test shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as stated on the application. The stack test shall be conducted for VOC using Method 25 or another Department approved method and FPM using Method 5 or another Department approved method at the outlet of the control device.

(1) [25 Pa. Code § 139.53(a)(3)] At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval in accordance with paragraph (8) of this condition. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(2) [25 Pa. Code § 139.53(a)(3)] At least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Department in accordance with paragraph (8)(b) of this condition. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department (Source Testing

**SECTION D. Source Level Requirements**

Section).

(3) [25 Pa. Code § 139.53(a)(3)] Within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification indicating the completion date of the on-site testing shall be sent to the Department in accordance with paragraph (8)(b) of this condition..

(4) [40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g)] A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test.

(5) [25 Pa. Code Section 139.53(b)] A complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

(A) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.

(B) Permit number(s) and condition(s) which are the basis for the evaluation.

(C) Summary of results with respect to each applicable permit condition.

(D) Statement of compliance or non-compliance with each applicable permit condition.

(6) [25 Pa. Code § 139.3] All submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(7) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(8) [25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3)]:

(A) All submittals, besides notifications, shall be accomplished through PSIMS*Online, available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp>, when it becomes available.

(B) If internet submittal cannot be accomplished, one paper copy plus one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) shall be sent to both PSIMS Administration in Central Office and to Regional Office AQ Program Manager.

Paper copies shall be sent using the following mailing addresses:

CENTRAL OFFICE:

Pennsylvania Department of Environmental Protection
Attn: PSIMS Administrator
P.O. Box 8468
Harrisburg, PA 17105-8468

NORTHWEST REGIONAL OFFICE:

Pennsylvania Department of Environmental Protection
Attn: Air Quality Program Manager
230 Chestnut St.
Meadville, PA 16335

Electronic copies shall be sent at the following e-mail addresses:

**SECTION D. Source Level Requirements**

CENTRAL OFFICE:

RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:

RA-EPNWstacktesting@pa.gov

(9) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

(10) Actions Related to Noncompliance Demonstrated by a Stack Test:

(A) If the results of a stack test, performed as required by this approval, exceed the level specified in any condition of this approval, the Permittee shall take appropriate corrective actions. Within 30 days of the Permittee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permittee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permittee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(B) If the results of the required stack test exceed any limit defined in this plan approval, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the plan approval, then another stack test shall be performed to determine compliance. Within 120 days of the Permittee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permittee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the plan approval, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the plan approval may be grounds for immediate revocation of the plan approval to operate the affected source.

(b) Once every five (5) years and not more than 60 months after the previous stack test, a stack test shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as stated on the application. The stack test shall be conducted for VOC using Method 25 or another Department approved method and FPM using Method 5 or another Department approved method at the outlet of the control device. The testing shall be conducted in accordance with part (a) above.

(c) [Compliance with § 129.67b(e) assures compliance with PA 10-171C's provisions on determining VOC content & VOC composite partial vapor pressure for cleaning solutions]

[From Plan Approval 10-171C. Adapted from Plan Approval 10-171E for Source 111, paragraph (a) is revised to reflect the current language & provisions for source test submittals.]

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

(h) SAMPLING AND TESTING.

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

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

(ii) [Omitted. Initial stack test required by this section is a one-time requirement.]

(2) [Not applicable]

**SECTION D. Source Level Requirements**

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

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

(e) COMPLIANCE AND MONITORING REQUIREMENTS.

(2) FOUNTAIN SOLUTION. The owner or operator of an offset lithographic printing press subject to this section that is required to meet one of the fountain solution VOC limits of subsection (c)(2) shall demonstrate compliance by using one or more of the following methods:

(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:

(I) Be corrected for temperature one time per 8-hour shift.

(II) Have a visual, analog or digital readout with an accuracy of 0.5%.

(III) 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.

[For (e)(1), (e)(2)(i) to (iv) & (vi), and (e)(3), see VII. Additional Requirements for this source.]

IV. RECORDKEEPING REQUIREMENTS.**# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall maintain a record of all preventive maintenance inspections of the control device(s). The records of the maintenance inspections shall include, at a minimum, the dates of the inspections, the name of the person performing the inspection, any problems or defects identified, any actions taken to correct the problems or defects, and any routine maintenance performed.

(b) The permittee shall record the following operational data from the control device(s) (these records may be done with strip charts recorders, data acquisition systems, or manual log entries):

(1) Dryer pressure relative to press room - continuously as defined as at least once every 15 minutes

(2) Combustion chamber temperature - continuously as defined as at least once every 15 minutes

(c) The permittee shall collect and record the applicable information specified in this Condition. The information shall be maintained at the facility for a minimum of 5 years and shall be made available to an authorized Department representative at any time during normal working hours. The information required is:

(1) For each ink or varnish used: the monthly consumption in pounds or gallons; the percent by weight VOC and HAP content, as applied; and, an estimate of VOC and HAP emissions. Alternately, the ink with the highest VOC and HAP content may be used to represent all inks used by the printing press.

(2) For each fountain solution and additive: the monthly consumption in pounds or gallons; the percent by weight or weight to volume ratio (lbs/gal) VOC and HAP content, and, an estimate of VOC and HAP emissions.

**SECTION D. Source Level Requirements**

(3) For each blanket and roller cleaning solution used: the monthly consumption in pounds or gallons; the percent by weight or weight to volume ratio (lbs/gal) VOC and HAP content, and, an estimate of VOC and HAP emissions.

(4) For each month of operation, the volume of all cleaning solutions used which do not meet cleaning solution requirements in Condition #010(c).

(5) For each month of operation, an estimate of VOC and HAP emissions during the latest 12 months.

[From Plan Approval 10-171C]

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

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

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

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

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

(iii) [Not applicable]

(2) An owner or operator subject to subsection (a)(1)(i), (ii), (iii) or (iv) shall maintain records of cleaning solutions and fountain solutions used at the facility, including:

(i) The following parameters for each press ready blanket, roller or other cleaning solution:

(A) The name and identification number for the blanket, roller or other cleaning solution.

(B) The VOC content (weight %) or VOC composite partial vapor pressure of each cleaning solution as applied.

(C) The volume used of each cleaning solution as applied, if the owner or operator is using cleaning solutions which exceed the limits in subsection (c)(1)(i).

(D) Records of cleaning solution monitoring as required under subsection (e)(3).

(ii) The following parameters for each press-ready (as applied) fountain solution:

(A) The VOC content (weight %).

(B) Records of fountain solution monitoring as required under subsection (e)(2).

(3) [Not applicable]

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

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 D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) The permittee shall perform a daily operational inspection of the control device.
- (b) [Compliance with § 129.67b(e)(2)(i) assures compliance with PA 10-171C's 5.0% by weight VOC content limit for fountain solutions &/or 8.5% by weight VOC content limit for fountain solutions refrigerated to 60°F or less.]
- (c) [See I. Restrictions for this source]
- (d) - (e) [Compliance with § 129.67b(i) assures compliance with PA 10-171C's work practice conditions for solvent containers & solvent laden shop towels.]
- (f) [Compliance with § 129.67b(e)(2) assures compliance with PA 10-171C's provisions on methods of calculating VOC content of fountain solutions.]
- (g) All gauges employed by the permittee to monitor the required control device operating parameters shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading.
- (h) Control device operating parameters, including dryer pressure relative to press room and combustion chamber temperature, shall be operated in a range defined by the manufacturer or in a range developed during compliant stack testing. The operating range of the combustion chamber shall be operated at a minimum temperature of 1400°F and thereafter at a 3-hour average temperature not lower than 50°F below the average temperature demonstrate during the most recent compliance source test approved by the Department. The operating range of the dryer pressure relative to press room shall be determined within 90 days after startup of the control device and shall be indicated to the Department in writing prior to administratively amending into the facility operating permit. The operating range shall be made part of the facility operating permit. The initial normal operating range for the afterburner shall be defined as greater than 1400°F. The normal dryer pressure relative to the press room shall be defined as greater than minus 10 Pascal with normal operation at approximately minus 15 Pascal.
- [Language of paragraph (h) is revised to assure compliance with § 129.67b(e)(1)(ii). Language is adapted from Source 111's PA 10-171E.]
- (i) For each of the inks, coatings, thinner, adhesives, cleanup solvents used, maintain Certified Product Data Sheets or full disclosure Material Safety Data Sheet or Batch specification sheet which include the following:
- (1) Weight per gallon, as delivered from the vendor or supplier
 - (2) Percent (by weight) of VOC per gallon, as delivered from the vendor or supplier
 - (3) Percent solids (by weight) per gallon, as delivered from the vendor or supplier
 - (4) Percent water and exempt solvent, as delivered from the vendor or supplier
 - (5) Density of VOC, as delivered from the vendor or supplier
- (j) The permittee shall operate the control device associated with this source at all times that the source is in operation.
- (k) The source and control device shall be operated in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[From Plan Approval 10-171C]

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

**SECTION D. Source Level Requirements**

(i) WORK PRACTICE REQUIREMENTS FOR CLEANING ACTIVITIES.

[See § 129.67b(i) under VI. Work Practice Requirements for Source 107 in Section D of this permit.]

VII. ADDITIONAL REQUIREMENTS.

013 [25 Pa. Code §129.67b]

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

(a) APPLICABILITY. [See § 129.67b(a) under VII. Additional Requirements for Source 111]

(b) [Not Applicable]

(c) [See I. Restrictions, Emission Restrictions for this source]

(d) EMISSION LIMITS FOR HEATSET WEB OFFSET LITHOGRAPHIC PRINTING PRESSES AND HEATSET WEB LETTERPRESS PRINTING PRESSES.

(1) Except as specified in paragraph (2) or (3), beginning January 1, 2015, a person subject to subsection (a)(1)(i) may not cause or permit the emission into the outdoor atmosphere of VOCs from a heatset web offset lithographic printing press or a heatset web letterpress printing press, or both, unless the overall weight of VOCs emitted to the atmosphere from the heatset dryer is reduced through the use of vapor recovery or oxidation or another method that is authorized under §129.51(a) (relating to general). 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.

(i) [Omitted. The permittee opted to comply with the alternative limit of 40 ppm, as propane, outlet VOC concentration pursuant to § 129.67b(1)(iii)(C) instead of the VOC control efficiency required by this rule.]

(ii) The first installation date is the first date of operation for a source or a control device. This date will not change if the source or control device is moved to a new location or if the control device is later used to control a new source.

(iii) The owner or operator of the printing press may request the Department's approval for an alternative limitation if the following requirements are met:

(A) The request is submitted to the Department in writing.

(B) The request demonstrates one of the following:

(I) The inlet VOC concentration to the control device is so low that compliance with the 90% or 95% overall efficiency in subparagraph (i) is not achievable.

(II) The press is using a combination dryer and oxidizer or other control equipment configuration that does not have an inlet that meets the requirement for testing specified in subsection (h).

(C) The request demonstrates the minimum outlet VOC concentration that the unit can achieve, not to exceed 20 ppm as hexane (40 ppm as propane) on a dry basis.

(iv) The alternative limitation requested under subparagraph (iii) must be approved by the Department in a plan approval, operating permit or Title V permit.

(2) - (3) [Not Applicable]

(e) COMPLIANCE AND MONITORING REQUIREMENTS.

(1) ADD-ON AIR POLLUTION CONTROL DEVICE. The owner or operator of a heatset web offset lithographic printing press or heatset web letterpress printing press subject to this section using an add-on air pollution control device in accordance with subsection (d) shall comply with the following requirements:

**SECTION D. Source Level Requirements**

(i) [Compliance with PA 10-171C's recordkeeping for combustion chamber temperature assures compliance with § 129.67b(e)(1)(i)(A).]

(ii) The add-on air pollution control device specified in subparagraph (i) 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. [The 50°F criterion is added to the equivalent plan approval requirement.]

(iii) - (v) [Compliance with PA 10-171C's operating limits & work practices for the control device assures compliance with § 129.67(b)(e)(ii) to (v).]

(2) FOUNTAIN SOLUTION. The owner or operator of an offset lithographic printing press subject to this section that is required to meet one of the fountain solution VOC limits of subsection (c)(2) shall demonstrate compliance by using one or more of the following methods:

(i) - (iii) [See § 129.67b(e) under VII. Additional Requirements for Source 111]

(iv) [Not applicable]

(v) [See III. Monitoring Requirements for this source]

(vi) [See § 129.67b(e) under VII. Additional Requirements for Source 111]

(3) CLEANING SOLUTION. [See § 129.67b(e) under VII. Additional Requirements for Source 111]

(f) [See IV. Recordkeeping Requirements for this source]

(g) [Compliance with the 5-year recordkeeping in Section C of this permit assures compliance with the 2-year recordkeeping pursuant to § 129.67b(g).]

(h) [See III. Testing Requirements for this source]

(i) [See VI. Work Practice Requirements for this source]

(j) COMPOSITE PARTIAL VAPOR PRESSURE. [See § 129.67b(j) under VII. Additional Requirements for Source 111]

(k) DETERMINATION OF VAPOR PRESSURE OF SINGLE ORGANIC COMPOUNDS IN CLEANING SOLUTIONS. [See § 129.67b(k) under VII. Additional Requirements for Source 111]

(l) [Not Applicable]

**SECTION D. Source Level Requirements**

Source ID: 111

Source Name: GOSS C7001 WEB OFFSET PRESSLINE

Source Capacity/Throughput:

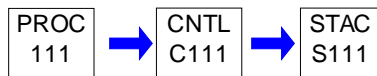
7.160 MMBTU/HR

7.160 MCF/HR

Natural Gas

677.000 Lbs/HR

INK

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

(a) This section applies to sources except those subject to other provisions of this article, with respect to the control of sulfur compound emissions.

(b) No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

002 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) Emissions shall with 25 PA Code 123.1, 123.31, & 123.41 for fugitive, odor, and visible emissions respectively.

(b) No person may permit the emission into the outdoor atmosphere of filterable particulate matter in a manner that the concentration of filterable particulate matter (FPM) in the effluent gas exceeds 0.02 grain per dry standard cubic foot.

[Compliance with this requirement shows compliance with 25 PA Code 123.13]

(c) The VOC emissions shall not exceed 4.0 #/hr and 17.37 tpy based on a 12-month rolling total from the afterburner.

[From Plan Approval 10-171D]

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

(c) EMISSION LIMITS FOR CLEANING SOLUTIONS AND FOUNTAIN SOLUTIONS USED IN OR ON PRINTING PRESSES SUBJECT TO THIS SECTION.

(1) CLEANING SOLUTIONS. Beginning January 1, 2015, a person subject to subsection (a)(1)(i), (ii), (iii) or (iv) 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.

(ii) The use of one or more cleaning solutions 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).

(2) FOUNTAIN SOLUTIONS. Except as specified in paragraph (3), beginning January 1, 2015, a person subject to subsection (a)(1)(i), (iii) or (iv) may not cause or permit the emission into the outdoor atmosphere of VOCs from a fountain solution used in an offset lithographic printing press unless the fountain solution meets one or more of the following VOC limits.

**SECTION D. Source Level Requirements**

(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) [Omitted. The solvent used by the permittee is not maintained/refrigerated at temperatures below 60°F (15.5°C).]

(C) [Omitted. The solvent used by the permittee is not alcohol-free.]

(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) - (iii) [Not Applicable]

(3) [Not Applicable]

Control Device Efficiencies Restriction(s).

004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The NMHC destruction and removal efficiency shall meet at least 98.0% or a post-control NMHC concentration of 7 ppmvd or less as propane @ 20.5% O₂, whichever is less stringent. [Compliance with this requirement will show compliance with 25 PA Code 129.67b(d)(1)(i)(B).]

[From Plan Approval 10-171E]

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Within 60 days after achieving the normal production rate at which the affected source will be operated, but not later than 180 days after initial start-up of the source/control device, a stack test shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as stated on the application. The stack test shall be conducted for FPM using Method 5 or another Department approved method at the outlet of the control device.

(1) [25 Pa. Code § 139.53(a)(3)] At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval in accordance with paragraph (8) of this condition. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(2) [25 Pa. Code § 139.53(a)(3)] At least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Department in accordance with paragraph (8)(b) of this condition. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department (Source Testing Section).

(3) [25 Pa. Code § 139.53(a)(3)] Within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification indicating the completion date of the on-site testing shall be sent to the Department in accordance with paragraph (8)(b) of this condition..

(4) [40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g)] A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test.

**SECTION D. Source Level Requirements**

(5) [25 Pa. Code Section 139.53(b)] A complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

(A) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.

(B) Permit number(s) and condition(s) which are the basis for the evaluation.

(C) Summary of results with respect to each applicable permit condition.

(D) Statement of compliance or non-compliance with each applicable permit condition.

(6) [25 Pa. Code § 139.3] All submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(7) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(8) [25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3)]:

(A) All submittals, besides notifications, shall be accomplished through PSIMS*Online, available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp>, when it becomes available.

(B) If internet submittal cannot be accomplished, one paper copy plus one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) shall be sent to both PSIMS Administration in Central Office and to Regional Office AQ Program Manager.

Paper copies shall be sent using the following mailing addresses:

CENTRAL OFFICE:

Pennsylvania Department of Environmental Protection
Attn: PSIMS Administrator
P.O. Box 8468
Harrisburg, PA 17105-8468

NORTHWEST REGIONAL OFFICE:

Pennsylvania Department of Environmental Protection
Attn: Air Quality Program Manager
230 Chestnut St.
Meadville, PA 16335

Electronic copies shall be sent at the following e-mail addresses:

CENTRAL OFFICE:

RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:

RA-EPNWstacktesting@pa.gov

(9) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

**SECTION D. Source Level Requirements****(10) Actions Related to Noncompliance Demonstrated by a Stack Test:**

(A) If the results of a stack test, performed as required by this approval, exceed the level specified in any condition of this approval, the Permittee shall take appropriate corrective actions. Within 30 days of the Permittee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permittee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permittee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(B) If the results of the required stack test exceed any limit defined in this plan approval, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the plan approval, then another stack test shall be performed to determine compliance. Within 120 days of the Permittee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permittee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the plan approval, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the plan approval may be grounds for immediate revocation of the plan approval to operate the affected source.

(b) Once every five (5) years and not more than 60 months after the previous stack test, a stack test shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as stated on the application. The stack test shall be conducted for either NMHC destruction efficiency or NMHC outlet concentration using Method 25 or another Department approved method and FPM using Method 5 or another Department approved method at the outlet of the control device. The testing shall be conducted in accordance with part (a) above.

[Paragraph (a) from Plan Approval 10-171D. Paragraph (b) from Plan Approval 10-171E. Paragraphs (a)(8), (a)(1), (a)(2) & (a)(3) are revised to reflect Source Testing Section's latest instructions, dated August 17, 2018, on source test submittals.]

006 [25 Pa. Code §129.67b]**Control of VOC emissions from offset lithographic printing presses and letterpress printing presses.****(h) SAMPLING AND TESTING.**

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

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

(ii) [Omitted. Initial stack test required by this section is a one-time requirement.]

(2) [Not applicable]

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

III. MONITORING REQUIREMENTS.**# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Ink meters shall be installed on the printing units to record ink usage during production.

[From Plan Approval 10-171D]

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

**SECTION D. Source Level Requirements****(e) COMPLIANCE AND MONITORING REQUIREMENTS.**

(2) FOUNTAIN SOLUTION. The owner or operator of an offset lithographic printing press subject to this section that is required to meet one of the fountain solution VOC limits of subsection (c)(2) shall demonstrate compliance by using one or more of the following methods:

(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:

(I) Be corrected for temperature one time per 8-hour shift.

(II) Have a visual, analog or digital readout with an accuracy of 0.5%.

(III) 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.

[For (e)(1), (e)(2)(i) to (iv) & (vi), and (e)(3), see VII. Additional Requirements for this source.]

IV. RECORDKEEPING REQUIREMENTS.**# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall maintain a record of all preventive maintenance inspections of the control device(s). The records of the maintenance inspections shall include, at a minimum, the dates of the inspections, the name of the person performing the inspection, any problems or defects identified, any actions taken to correct the problems or defects, and any routine maintenance performed.

(b) The permittee shall record the following operational data from the control device(s) (these records may be done with strip charts recorders, data acquisition systems, or manual log entries):

(1) Dryer pressure relative to press room - continuously as defined as at least once every 15 minutes

(2) Combustion chamber temperature - continuously as defined as at least once every 15 minutes

(c) The permittee shall collect and record the applicable information specified in this Condition. The information shall be maintained at the facility for a minimum of 5 years and shall be made available to an authorized Department representative at any time during normal working hours. The information required is:

(1) For each ink or varnish used: the monthly consumption in pounds or gallons; the percent by weight VOC and HAP content, as applied; and, an estimate of VOC and HAP emissions. Alternately, the ink with the highest VOC and HAP content may be used to represent all inks used by the printing press.

(2) For each fountain solution and additive: the monthly consumption in pounds or gallons; the percent by weight or weight to volume ratio (lbs/gal) VOC and HAP content, and, an estimate of VOC and HAP emissions.

(3) For each blanket and roller cleaning solution used: the monthly consumption in pounds or gallons; the percent by weight or weight to volume ratio (lbs/gal) VOC and HAP content, and, an estimate of VOC and HAP emissions.

(4) For each month of operation, an estimate of VOC and HAP emissions during the latest 12 months.

(d) The company shall calculate the VOC emissions from this source on a monthly basis using information contained in the daily logs of inks and coatings used and information from the latest stack test results.

**SECTION D. Source Level Requirements**

(e) The company shall add the monthly total to the monthly totals for the previous eleven (11) months to get the 12-month rolling total of VOC emissions from this source.

(f) For the printing line, the company shall record the names and types of inks or coatings used, the amount of inks or coatings used, ink and coating density before and after the addition of diluent, amount of diluent used, density of the diluent, amount of water in the ink or coating and the weight of VOCs in the inks or coatings.

[Paragraph (d) from Plan Approval 10-171E. The rest of the paragraphs from Plan Approval 10-171D.]

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

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

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

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

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

(iii) [Not applicable]

(2) An owner or operator subject to subsection (a)(1)(i), (ii), (iii) or (iv) shall maintain records of cleaning solutions and fountain solutions used at the facility, including:

(i) The following parameters for each press ready blanket, roller or other cleaning solution:

(A) The name and identification number for the blanket, roller or other cleaning solution.

(B) The VOC content (weight %) or VOC composite partial vapor pressure of each cleaning solution as applied.

(C) The volume used of each cleaning solution as applied, if the owner or operator is using cleaning solutions which exceed the limits in subsection (c)(1)(i).

(D) Records of cleaning solution monitoring as required under subsection (e)(3).

(ii) The following parameters for each press-ready (as applied) fountain solution:

(A) The VOC content (weight %).

(B) Records of fountain solution monitoring as required under subsection (e)(2).

(3) [Not applicable]

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

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 D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) The permittee shall perform a daily operational inspection of the control device.
- (b) All gauges employed by the permittee to monitor the required control device operating parameters shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading.
- (c) Control device operating parameters, including dryer pressure relative to press room and combustion chamber temperature, shall be operated in a range defined by the manufacturer or in a range developed during compliant stack testing. The operating range of the combustion chamber shall be operated prior to testing at a minimum of 1400F and thereafter at a 3-hour average temperature not lower than 50F below the average temperature demonstrated during the most recent compliance source test approved by the Department. The operating range of the dryer pressure relative to press room shall be determined within 90 days after startup of the control device and shall be indicated to the Department in writing prior to administratively amending into the facility operating permit. The operating range shall be made part of the facility operating permit. The initial normal operating range for the afterburner prior to testing shall be defined as greater than 1400F. The normal dryer pressure relative to the press room shall be defined as greater than minus 10 Pascal with normal operation at approximately minus 15 Pascal.
- (d) For each of the inks, coatings, thinner, adhesives, cleanup solvents used, maintain Certified Product Data Sheets or full disclosure Material Safety Data Sheet or Batch specification sheet which include the following:
- (1) Weight per gallon, as delivered from the vendor or supplier
 - (2) Percent (by weight) of VOC per gallon, as delivered from the vendor or supplier
 - (3) Percent solids (by weight) per gallon, as delivered from the vendor or supplier
 - (4) Percent water and exempt solvent, as delivered from the vendor or supplier
 - (5) Density of VOC, as delivered from the vendor or supplier
- (e) The permittee shall operate the control device associated with this source at all times that the source is in operation.
- (f) The source and control device shall be maintained and operated in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[Paragraph (c) from Plan Approval 10-171E. The rest of the paragraphs from Plan Approval 10-171D.]

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

- (i) WORK PRACTICE REQUIREMENTS FOR CLEANING ACTIVITIES.

[See § 129.67b(i) under VI. Work Practice Requirements for Source 107 in Section D of this permit.]

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

Compliance with requirements of 25 Pa. Code § 129.67b assures compliance with PA 10-171E, Source 111, Condition #003.

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

- (a) APPLICABILITY.

**SECTION D. Source Level Requirements**

(1) Except as specified in paragraph (3), this section applies to the owner and operator of an offset lithographic printing press or a letterpress printing press, or both, if the press meets one or a combination of the following:

(i) **ADD-ON AIR POLLUTION CONTROL DEVICE.** A single heatset web offset lithographic printing press or heatset web letterpress printing press that has potential emissions from the dryer, before consideration of add-on controls, of at least 25 tpy of VOCs from all heatset inks (including varnishes), coatings and adhesives combined.

(ii) [Not applicable]

(iii) **OFFSET LITHOGRAPHIC PRINTING.** One or more offset lithographic printing presses if the total actual VOC emissions from all inks (including varnishes), coatings, adhesives and fountain solutions combined from all offset lithographic printing presses and all VOC emissions from related cleaning activities at the facility are equal to or greater than 450 pounds (204.1 kilograms) per month or 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of add-on controls.

(iv) - (v) [Not Applicable]

(2) [Omitted since § 129.67b(l) is not applicable.]

(3) VOCs from adhesives used at a facility that are not used or applied on or with an offset lithographic printing press or a letterpress printing press are not subject to this section and may be regulated under §129.77 or Chapter 130, Subchapter D (relating to control of emissions from the use or application of adhesives, sealants, primers and solvents; and adhesives, sealants, primers and solvents).

(b) [Not Applicable]

(c) [See I. Restrictions, Emission Restrictions for this source]

(d) [Compliance with PA 10-171E's 98%-destruction/removal efficiency restriction or 7-ppm (as propane) post control NMHC concentration restriction assures compliance with this section's 95% efficiency restriction (§ 129.67b(d)(1)(i)(B)) or the alternative 40-ppm outlet VOC concentration restriction (§ 129.67(b)(d)(1)(iii)(C)).]

(e) **COMPLIANCE AND MONITORING REQUIREMENTS.**

(1) **ADD-ON AIR POLLUTION CONTROL DEVICE.** The owner or operator of a heatset web offset lithographic printing press or heatset web letterpress printing press subject to this section using an add-on air pollution control device in accordance with subsection (d) shall comply with the following requirements:

(i) [Compliance with PA 10-171E's recordkeeping for combustion chamber temperature assures compliance with § 129.67b(e)(1)(i)(A).]

(ii) - (v) [Compliance with PA 10-171E's operating limits & work practices for the control device assures compliance with § 129.67(b)(e)(ii) to (v).]

(2) **FOUNTAIN SOLUTION.** The owner or operator of an offset lithographic printing press subject to this section that is required to meet one of the fountain solution VOC limits of subsection (c)(2) shall demonstrate compliance by using one or more 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.

(ii) Maintenance onsite of MSDS, 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

**SECTION D. Source Level Requirements**

Method 24 analytical VOC content data for each of the concentrated components or additives used to prepare the press-ready 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 press-ready (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) [Not applicable]

(v) [See III. Monitoring Requirements for this source]

(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.

(3) **CLEANING SOLUTION.** The owner or operator of an offset lithographic printing press or a letterpress printing press subject to this section shall demonstrate compliance with the VOC content limit or VOC composite partial vapor pressure limit for cleaning solutions in subsection (c)(1) by one or more 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 subsection (j) to calculate the composite partial vapor pressure of the press-ready (as applied) cleaning solution.

(iii) Use of the methods in subsection (k) to determine the VOC composite partial vapor pressure of a single concentrated component or additive used to prepare the press-ready (as applied) cleaning solution.

(iv) Maintenance onsite of MSDS, 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-

**SECTION D. Source Level Requirements**

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 press-ready (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 subsection (c)(1) 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.

(f) [See IV. Recordkeeping Requirements for this source]

(g) [Compliance with the 5-year recordkeeping in Section C of this permit assures compliance with the 2-year recordkeeping pursuant to § 129.67b(g).]

(h) [See III. Testing Requirements for this source]

(i) [See VI. Work Practice Requirements for this source]

(j) COMPOSITE PARTIAL VAPOR PRESSURE. The composite partial vapor pressure of organic compounds in cleaning solutions shall be determined by one of the following procedures:

(1) Quantifying the amount of each compound in the blend using gas chromatographic analysis, using an appropriate and current ASTM test method with prior written approval by the Department.

(2) Calculating the composite partial vapor pressure using the equation in 25 PA Code 129.67b(j)(2).

(k) DETERMINATION OF VAPOR PRESSURE OF SINGLE ORGANIC COMPOUNDS IN CLEANING SOLUTIONS. The vapor pressure of each single component compound shall be determined from one or more of the following:

(1) An appropriate and current ASTM test method with prior written approval by the Department.

(2) The most recent edition of one or more of the following sources:

(i) Vapour Pressures of Pure Substances, Boublik, Elsevier Scientific Publishing Company, New York.

(ii) Perry's Chemical Engineers' Handbook, Green and Perry, McGraw-Hill Book Company.

(iii) CRC Handbook of Chemistry and Physics, CRC Press.

(iv) Lange's Handbook of Chemistry, McGraw-Hill Book Company.

(v) Additional sources approved by the Department.

(l) [Not Applicable]



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description		
110	WEB OFFSET LITHOGRAPHY PRESSLINE		
Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.020	gr/DRY FT3		TSP
4.100	Lbs/Hr		VOC
111	GOSS C7001 WEB OFFSET PRESSLINE		
Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.020	gr/DRY FT3		TSP
4.000	Lbs/Hr		VOC
17.370	Tons/Yr	based on a 12-month rolling total	VOC

Site Emission Restriction Summary

Emission Limit		Pollutant
49.900 Tons/Yr	in any 12-month consecutive period	VOC
9.900 Tons/Yr	individual HAPs in any 12-month consecutive period	Hazardous Air Pollutants
24.900 Tons/Yr	total HAPs in any 12-month consecutive period	Hazardous Air Pollutants

**SECTION G. Miscellaneous.**

(a) The Capacity/Hour numbers listed on Page 4 and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. Enforceable emission limits are listed in the Restriction section for each source. They are also summarized for informational purposes only in Section F.

(b) Source ID: Department assigned ID number for the source
Source Name: Department assigned name for the source
Capacity: The maximum capacity for the source (not a limit)
Fuel/Material: The fuel/material assigned to SCC for the source

Schematics:

FML: Fuel material location

Comb: Combustion source

Proc: Process

CD: Control device

EP: Emission point

Pollutant:

SOx: Sulfur Oxides

TSP: Total Suspended Particulate

VOC: Volatile Organic Compounds

(c) There are no applicable emission, testing, monitoring, recordkeeping, or reporting requirements for the following sources:

(1) Offset plate making process (previously part of Source 106 etching process line). This includes the fugitive emissions from the developer chemicals.

(d) Permit History

(1) This State Only Operating Permit No. 10-00171 was originally issued on June 25, 2004, effective on June 25, 2004, and expires on May 31, 2009.

(2) Revision No. 1, issued on March 7, 2005, and effective on March 7, 2005, was for an administrative amendment to incorporate plan approval (10-171B) conditions for Source 107 which no longer utilizes a solvent recovery system.

(3) This Operating Permit was renewed on June 1, 2009 with an expiration date of May 31, 2014.

(4) This Operating Permit was administratively amended on July 31, 2009 to include the requirements for Plan Approval 10-171C.

(5) This permit was renewed on May 28, 2014.

(6) This permit was administratively amended on December 11, 2017 to include the requirements for Plan Approval 10-171E (which superceded Plan Approval 10-171D).

(7) This permit was renewed on May 17, 2019.

(8) This permit was amended on March 19, 2020 to incorporate the change of responsible official and permit contact.



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