



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: November 21, 2012 Effective Date: December 15, 2015
Revision Date: December 15, 2015 Expiration Date: January 30, 2018
Revision Type: Amendment

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

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

TITLE V Permit No: 15-00002

Federal Tax Id - Plant Code: 27-0480416-1

Owner Information

Name: QG LLC
Mailing Address: 4581 LOWER VALLEY RD
ATGLEN, PA 19310-1766

Plant Information

Plant: QUAD / GRAPHICS ATGLEN
Location: 15 Chester County 15969 West Sadsbury Township
SIC Code: 2754 Manufacturing - Commercial Printing, Gravure

Responsible Official

Name: TODD MARINO
Title: PLANT DIRECTOR
Phone: (540) 431 - 4764

Permit Contact Person

Name: JEFFREY F SCHAEBERLE
Title: ENV SERVICES COORDINATOR
Phone: (414) 208 - 2760

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

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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	BOILER 1	25.200 MMBTU/HR	
		181.290 Gal/HR	#2 Oil
		24.700 MCF/HR	Natural Gas
032A	BOILER 2A (LOW NOX)	11.700 MMBTU/HR	
		83.690 Gal/HR	#2 Oil
		11.500 MCF/HR	Natural Gas
034	BOILER 4	29.400 MMBTU/HR	
		211.500 Gal/HR	#2 Oil
		28.800 MCF/HR	Natural Gas
035	BOILER 5 (LOW NOX)	32.600 MMBTU/HR	
		234.530 Gal/HR	#2 Oil
		31.961 MCF/HR	Natural Gas
036	BOILER 6	29.290 MMBTU/HR	
		N/A	Natural Gas
037	BOILER 7	29.290 MMBTU/HR	
		N/A	Natural Gas
101	ROTOGRAVURE PRESS 1	476.300 Lbs/HR	INK SOLVENTS
104A	ROTOGRAVURE PRESS 4A	646.000 Lbs/HR	INK SOLVENTS
107	4-COLOR ROTOGRAVURE PRESS 7	N/A	INK SOLVENTS
221	4-COLOR HEATSET OFFSET LITHO WEB PRESS 21	N/A	INK SOLVENTS
222	4-COLOR HEATSET OFFSET LITHO WEB PRESS 22	N/A	INK SOLVENTS
300	FLEXOGRAPHIC PLATE MAKING	2.500 Gal/HR	PETROLEUM HYDROCAR
500	23 STORAGE TANKS FOR ROTOGRAVURE INKS		
600	PARTS WASHERS (5)	1.800 Lbs/HR	CLEANING SOLVENT
700	3 STORAGE TANKS FOR ROTOGRAVURE SOLVENT		
800	CHROME PLATING BATHS (1 & 2)	N/A	CHROMIUM
C02	SOLVENT RECOVERY SYSTEM 2 (SRS2)	N/A	Natural Gas
C04	SOLVENT RECOVERY SYSTEM 3 (SRS4)	140.000 Lbs/HR	VOC
C05	REGENERATIVE THERMAL OXIDIZER	N/A	Natural Gas
C200	CHROME EMISSIONS CONTROL		
FML03	NATURAL GAS PIPELINE		
S02	SRS 2 STACK		
S03	REGENERATIVE THERMAL OXIDIZER STACK		
S031	BOILER 1 STACK		
S034	BOILER 4 STACK		
S035	BOILER 5 STACK		
S036	BOILER 6 STACK		
S037	BOILER #7 STACK		
S04	SRS 3 STACK		
S200	CHROME EMISSIONS STACK		
S300	FLEXO PLATE MAKING STACK		

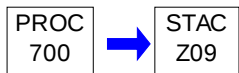
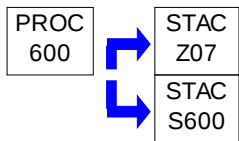
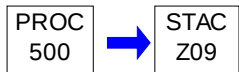
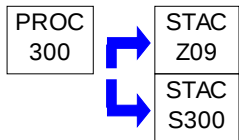
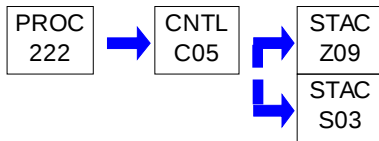
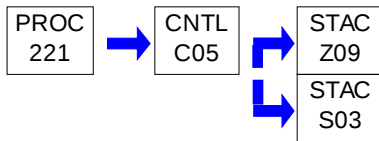
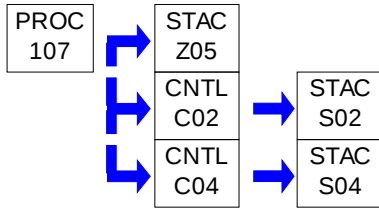
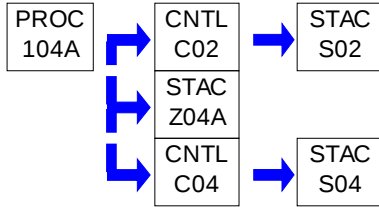
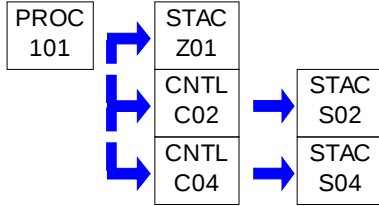
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S600	PARTS WASHER TANK		
Z01	PRESS 1 FUGITIVES		
Z04A	PRESS 4A FUGITIVES		
Z05	PRESS 7 FUGITIVES		
Z07	PARTS WASHER EMISSIONS		
Z09	FUGITIVES EMISSIONS		

PERMIT MAPS



PERMIT MAPS



PERMIT MAPS

PROC
800 → CNTL
C200 → STAC
S200

CNTL
C02 → STAC
S02

CNTL
C05 → STAC
S03

CNTL
C200 → STAC
S200

SECTION B. General Title V Requirements

#001 [25 Pa. Code § 121.1]

Definitions

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

#002 [25 Pa. Code § 127.512(c)(4)]

Property Rights

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

#003 [25 Pa. Code § 127.446(a) and (c)]

Permit Expiration

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

#004 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]

Permit Renewal

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

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.

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

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

#005 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]

Transfer of Ownership or Operational Control

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

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

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

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

SECTION B. General Title V Requirements

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

#006 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]

Inspection and Entry

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

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

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

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

#007 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]

Compliance Requirements

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

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

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

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

#008 [25 Pa. Code § 127.512(c)(2)]

Need to Halt or Reduce Activity Not a Defense

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

SECTION B. General Title V Requirements

#009 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]

Duty to Provide Information

- (a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.
- (b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#010 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]

Reopening and Revising the Title V Permit for Cause

- (a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.
- (b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:
- (1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.
 - (2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.
 - (3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
 - (4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
- (c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.
- (d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#011 [25 Pa. Code § 127.543]

Reopening a Title V Permit for Cause by EPA

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

#012 [25 Pa. Code § 127.541]

Significant Operating Permit Modifications

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541.

SECTION B. General Title V Requirements

#013 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications).

#014 [25 Pa. Code § 127.450]

Administrative Operating Permit Amendments

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

#015 [25 Pa. Code § 127.512(b)]

Severability Clause

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

#016 [25 Pa. Code §§ 127.704, 127.705 & 127.707]

Fee Payment

- (a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).
- (b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.
- (c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.
- (d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).
- (e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.
- (f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#017 [25 Pa. Code §§ 127.14(b) & 127.449]

Authorization for De Minimis Emission Increases

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

SECTION B. General Title V Requirements

(2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

- (1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.
- (2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

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

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

- (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.
- (2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.
- (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.
- (4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.
- (5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
- (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
- (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
- (4) Space heaters which heat by direct heat transfer.
- (5) Laboratory equipment used exclusively for chemical or physical analysis.
- (6) Other sources and classes of sources determined to be of minor significance by the Department.

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

- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.
- (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

SECTION B. General Title V Requirements

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

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

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

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

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

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

#018 [25 Pa. Code §§ 127.11a & 127.215]

Reactivation of Sources

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

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

#019 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

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

#020 [25 Pa. Code §§ 127.402(d) & 127.513(1)]

Submissions

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

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

SECTION B. General Title V Requirements

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

Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

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

#021 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]

Sampling, Testing and Monitoring Procedures

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

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

#022 [25 Pa. Code §§ 127.511 & Chapter 135]

Recordkeeping Requirements

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

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

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

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

SECTION B. General Title V Requirements**#023 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]****Reporting Requirements**

- (a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.
- (b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.
- (c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #020(c) of this permit.
- (d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

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

- (a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:
- (1) The identification of each term or condition of the permit that is the basis of the certification.
 - (2) The compliance status.
 - (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
 - (4) Whether compliance was continuous or intermittent.
- (b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #020 of this section.

#025 [25 Pa. Code § 127.3]**Operational Flexibility**

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

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)

SECTION B. General Title V Requirements

(5) Section 127.450 (relating to administrative operating permit amendments)

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

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

#026 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]

Risk Management

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

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

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

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

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

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

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

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

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

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

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

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #24 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

SECTION B. General Title V Requirements**#027 [25 Pa. Code § 127.512(e)]****Approved Economic Incentives and Emission Trading Programs**

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

#028 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]**Permit Shield**

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

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

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

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

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

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

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

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

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

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §121.7]

Prohibition of air pollution.

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

002 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

No person may permit the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

- (a) Construction or demolition of buildings or structures
- (b) Grading, paving and maintenance of roads and streets
- (c) 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
- (d) Clearing of land
- (e) Stockpiling of materials
- (f) blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (g) coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code §§ 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations).
- (h) Sources and classes of sources other than those identified in (a) - (g) above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1 (b), that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollutant.
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [25 Pa. Code §123.2]

Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #002(a) -- (h), of this section, if such emissions are visible at the point the emissions pass outside the person's property.

004 [25 Pa. Code §123.31]

Limitations

A person may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in a manner that the malodors are detectable outside the property of the person on whose land the source is being operated

005 [25 Pa. Code §123.41]

Limitations

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

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

SECTION C. Site Level Requirements

006 [25 Pa. Code §123.42]

Exceptions

The emission limitations of 25 Pa. Code § 123.41 (Condition #005) shall not apply to a visible emission in either of the following instances:

- (a) The presence of uncombined water is the only reason for failure of the emission to meet the limitations;
- (b) The emission results from sources specified in Condition #002(a) -- (h) of this section.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the volatile organic compounds (VOC) emissions from Presses 1, 4A, 7, 21, and 22 shall not exceed 999 tons per year (tpy) as a twelve (12) month rolling sum.

II. TESTING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Department reserves the right to require exhaust stack testing of any source(s) as necessary to verify emissions for purposes including determining the correct emission fee, malfunctions, or determining compliance with any applicable requirement.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

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

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions, pursuant to Condition #005 of this section, may be measured using either of the following:

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

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall monitor the facility, once per operating day, for the following:
 - (1) Odors, which the Department may determine to be objectionable.
 - (2) Visible Emissions.
 - (3) Fugitive Particulate Matter.
- (b) All detectable fugitive particulate emissions, and/or objectionable odors, that originated on-site and cross the property line as well as visible emissions that originate on site shall:
 - (1) Be investigated.

SECTION C. Site Level Requirements

- (2) Be reported to the facility management, or individual(s) designated by the permittee.
- (3) Be recorded in a permanent written log.

(c) At the end of six (6) months, upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly for the next six month period.

(d) At the end of the second six (6) month period, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

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

IV. RECORDKEEPING REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of monitoring data and supporting information required by this permit to be maintained for a minimum of five (5) years.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (a) de minimis increases without notification to the Department;
- (b) de minimis increases with notification to the Department, via letter;
- (c) increases resulting from a Request for Determination (RFD) to the Department; and
- (d) increases resulting from the issuance of a plan approval and subsequent operating permit

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that contractor service records will be maintained for all equipment containing fifty (50) or more pounds of refrigerant (Class I or Class II Controlled Substances). The service records must document the date and type of service, as well as the quantity for refrigerant added. These records shall be kept on site, in a format approved by the Department, for a minimum of five (5) years.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 82.166]

The permittee shall maintain the following records:

- (a) Evidence of refrigerant removal from the appliance(s) being disposed and the person(s) disposing of the appliance(s),
- (b) Service records documenting date and type of service, date refrigerant was added, and quantity and type of refrigerant added,
- (c) Copies of information and correspondence from the facility to the EPA as, or if, generated per requirements of §§40 CFR 82.166(n), (o) or (q) to demonstrate compliance with the management of refrigerant usages.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (a) Date, time, and location of the incident(s).
- (b) The cause of the event.

SECTION C. Site Level Requirements

(c) The corrective action taken, if necessary, to abate the situation and prevent future occurrences.

V. REPORTING REQUIREMENTS.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 82.166]

The permittee shall make reports to the EPA as needed in accordance with 40 CFR 82, Subpart F (Recycling and Emission Reduction). The permittee shall report to the EPA, information as required by §§40 CFR 82.166(n), (o) and (q), as necessary and applicable, for repair efforts on appliances that contain fifty (50) or more pounds of refrigerant that are expected to exceed repair time as described in §§40 CFR 82.156(i)1, (i)2, (i)3 or (i)5.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

(a) The permittee shall, within two (2) hours, of becoming knowledgeable, of any occurrence, notify the Department, at (484) 250-5920, of any malfunction of the source(s) or associated air pollution control devices listed in Section A, of this permit, which results in, or may possibly result in, the emission of air contaminants in excess of the limitations specified in this permit, or regulation contained in 25 Pa. Code Article III.

(b) Malfunction(s) which occur at this Title V facility, and pose(s) an imminent danger to public health, safety, welfare and the environment, and would violate permit conditions if the source were to continue to operate after the malfunction, shall immediately be reported to the Department by telephone at the above number.

(c) A written report shall be submitted to the Department within two (2) working days following the notification of the incident, and shall describe, at a minimum, the following:

- (1) The malfunction(s).
- (2) The emission(s).
- (3) The duration.
- (4) Any corrective action taken.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall submit the following reports:

(a) An annual certificate of compliance, due by April 1st of each year, for the period covering January 1 through December 31 of the previous year. This certificate of compliance shall document compliance with all permit terms and conditions set forth in this Title V permit as required under Condition #24 of section B, of this permit. The annual certificate of compliance shall be submitted to the Department in paper form and to the EPA Region III in electronic form at the following email address:

R3_APD_Permits@EPA.gov

(b) A semi-annual deviation report, due by October 1, of each year, for the period covering January 1 through June 30 of the same year. Note: The annual certification of compliance fulfills the obligation for the second deviation reporting period (July 1 through December 31 of the previous year).

020 [25 Pa. Code §135.21]

Emission statements

The permittee shall submit, by March 1 of each year, an annual emission statement for the preceding calendar year. The statement shall contain the calculation methods and the time periods over which the calculations were made.

SECTION C. Site Level Requirements

021 [25 Pa. Code §135.3]

Reporting

(a) The permittee 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, including those sources listed in the Miscellaneous Section of this permit.

(b) The 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.

022 [25 Pa. Code §135.4]

Report format

All 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.

023 [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 Section 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.

VI. WORK PRACTICE REQUIREMENTS.

024 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

For any source specified in Section C, Condition #002(a)–(h) of this section, the permittee shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

025 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall not modify any source identified in Sections A or G of this permit, prior to obtaining Department approval, except those modifications authorized by Condition #017(g), of Section B, of this permit.

(b) If an unauthorized modification of any source occurs at this facility, this permit may be suspended as to that source only and the source may not be operated in its modified condition until the modification is authorized by the Department.

026 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 82.166]

To demonstrate compliance with 40 CFR 82, Subpart F (Recycling and Emissions Reduction), the permittee shall ensure that following procedures:

- (a) Refrigerant will be evacuated, recovered, recycled, or pumped out from appliances or their appropriate isolated components (as applicable) for disposal, maintenance, repair, or service, in accordance with the applicable requirements of §§40 CFR 82.156(a)–(e) and §40 CFR 82.156(h);

SECTION C. Site Level Requirements

(b) Appliances will have levels repaired in accordance with the applicable requirements of §40 CFR 82.156(a)(1)(i) and §40 CFR 82.156(a)(3);

(c) The permittee shall use technicians certified in accordance with the requirements of §40 CFR 82.161 to maintain, service and/or repair refrigerated appliances.

027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that only contractors with certified technicians will be utilized for the maintenance contracts of the equipment containing more than fifty (50) pounds of refrigerant.

028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the sources and air cleaning devices and sources, listed in Section A and Section G, where applicable, of this operating permit, are operated and maintained in a manner consistent with good operating and maintenance practices and good air pollution control practices.

029 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

030 [25 Pa. Code §129.14]

Open burning operations

The permittee may not permit the open burning of material in the Southeast Air Basin, except when the open burning results from:

- (a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (b) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set solely for cooking food.
- (d) A fire set solely for recreational or ceremonial purposes.
- (e) A fire set for the prevention and control of disease or pests, when approved by the Department.

VII. ADDITIONAL REQUIREMENTS.

031 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]

Subpart A - General Provisions

Address.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The permittee shall submit all requests, reports, applications, submittals, and other communications to both the Administrator and to the Regional Office of the Department. The copies shall be forwarded to:

Director	Air Quality Program Manager
U.S. EPA, Region III	PA Department of Environmental Protection
Office of Permits & Air Toxics (3AP10)	Southeast Regional Office
1650 Arch Street	2 East Main Street
Philadelphia, PA 19103-2029	Norristown, PA 19401

SECTION C. Site Level Requirements

(b) Submission of the annual certification of compliance shall be submitted in electronic form to the EPA Region III web address in Condition #019.

032 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

Am I subject to this subpart?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The QG, LLC Atglen facility is subject to the provisions of this regulation which establishes emission standards and operating practices for the source category of new and existing industrial, commercial, and institutional boilers located at major sources of hazardous air pollutants (HAPs).

(b) On September 25, 2009, the facility submitted a Plan Approval application meeting the requirements of Section 112(j) "MACT Hammer" (Part 1) for an existing facility. On February 8, 2010, the facility submitted a revised, administratively complete Plan Approval application meeting the requirements of "MACT Hammer" (Part 2).

033 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.820]

Subpart KK--National Emission Standards for the Printing and Publishing Industry Applicability.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The QG, LLC Atglen plant is subject to the provisions of this regulation which apply to each existing facility that is a major source of hazardous air pollutants (HAP), as defined in §40 CFR 63.2, at which publication rotogravure, product and packaging rotogravure, or wide-web flexographic printing presses are operated.

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

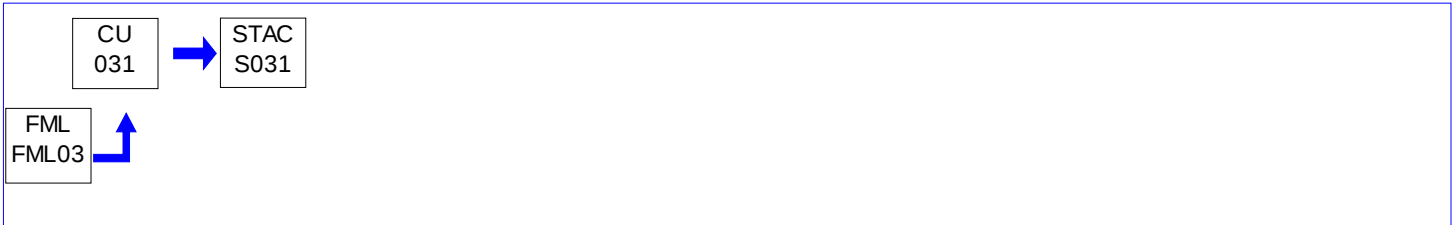
***** Permit Shield In Effect *****

SECTION D. Source Level Requirements

Source ID: 031

Source Name: BOILER 1

Source Capacity/Throughput: 25.200 MMBTU/HR
 181.290 Gal/HR #2 Oil
 24.700 MCF/HR Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

A person may not permit the emission into the outdoor atmosphere of particulate matter from this combustion unit in excess of the rate of 0.4 pound per million Btu of heat input pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §123.22]**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit, in the Southeast Air Basin, in excess of 1.2 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

(a) The permittee shall ensure that the Nitrogen Oxide (NO_x) emissions from Boiler 1 (Source ID: 031) shall not exceed 0.143 pound per million Btu.

(b) The permittee shall ensure that the Nitrogen Oxide (NO_x) emissions from Boiler 1 (Source ID: 031) shall not exceed 15.78 tons per year, as a twelve (12) month rolling sum.

Fuel Restriction(s).**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that only natural gas is used as fuel for this combustion unit.

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the type and calculate the pro rated fuel usage for this combustion unit on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

SECTION D. Source Level Requirements

(a) The permittee shall keep a copy of the manufacturer's specifications for the maintenance and operation of the boiler.

(b) The permittee shall keep the repair and maintenance records for the boilers on site and make them available upon request.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain records of the calculated pro rated fuel usage for this combustion unit on a monthly basis.

(b) The permittee shall calculated and maintain records of the annual NOx emissions from this combustion unit as a twelve (12) month rolling sum.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.512(h) and 129.93(b).]

The permittee shall comply with an annual tune-up requirements for this combustion unit. The annual tune-up of the boiler shall consist of but not be limited to the following:

(a) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.

(b) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and, to the extent practicable, minimize the emissions of CO.

(c) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

(d) Each adjustment conducted under the procedures in this condition shall be recorded in a permanently bound log book and shall include the following.

(i) The date of the tuning procedure

(ii) The name of the service company and technicians

(iii) The final operating rate or load

(iv) The final CO and NOx emission rates

(v) The final excess oxygen rate

(e) The annual adustment shall be made in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved in writing by the Department.

VII. ADDITIONAL REQUIREMENTS.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

SECTION D. Source Level Requirements

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

When do I have to comply with this subpart?

The owner or operator of an existing boiler or process heater subject to this subpart must comply with this subpart no later than January 31, 2016.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7499]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What are the subcategories of boilers and process heaters?

(a) This combustion unit is classified in the subcategory of "units designed to burn gas 1 fuels".

(b) The owners or operators of boilers that are classified in the subcategory of "units designed to burn gas 1 fuels" must comply with the work practice standard of Table 3 of §40 CFR 63, Subpart DDDDD, which require a tune-up of the boiler as specified in §40 CFR 63.7540.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

How do I demonstrate initial compliance with the emission limits and work practice standards?

The owner or operator of a unit in the "unit designed to burn gas 1 fuels" subcategory, must submit a signed statement in the Notification of Compliance Status report that indicates that a tune-up of the unit was conducted.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

How do I demonstrate continuous compliance with the emission limits and work practice standards?

Pursuant §40 CFR 63.7540(a)(10)(i) through (vi), the owner or operator of boilers in the source category - heat input capacities of 10 MMBtu/hr or greater - must conduct an annual tune-up of the boiler as specified:

(a) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the owner or operator may delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the owner or operator may delay the inspection until the next scheduled unit shutdown);

(d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOx requirement to which the unit is subject;

(e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What notifications must I submit and when?

The owner or operator of a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that intends to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in §40 CFR 63.7575, must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as

SECTION D. Source Level Requirements

defined in §40 CFR 63.7575. The notification must include the information specified in paragraphs (1) through (5).

- (1) Company name and address.
- (2) Identification of the affected unit.
- (3) Reason you are unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.
- (4) Type of alternative fuel that you intend to use.
- (5) Dates when the alternative fuel use is expected to begin and end.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What reports must I submit and when?

The owners or operators of units that are required to conduct an annual tune-up according to §40 CFR 63.7540(a)(10) and not subject to emission limits or operating limits are required to submit an annual compliance report as specified in paragraphs (1) through (4).

- (1) The first compliance report must cover the one (1) year period beginning on the compliance date per §40 CFR 63.7495(b) (e.g, January 31, 2016) and ending December 31, 2016.
- (2) The first annual compliance report must be postmarked or submitted no later than January 31, 2017.
- (3) Each subsequent annual compliance report must cover the reporting period from January 1 to December 31.
- (4) Each subsequent annual compliance report must be postmarked or submitted no later than January 31.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What records must I keep?

The owner or operator of a unit in the "unit designed to burn gas 1 fuels" subcategory that uses an alternative fuel other than natural gas, refinery gas, gaseous fuel, or other gas 1 fuel must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7575]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What definitions apply to this subpart?

(a) Pursuant §40 CFR 63.7575, as promulgated in 78 FR 7138, "unit designed to burn gas 1 fuels" subcategory includes any boiler or process heater that burns only natural gas, refinery gas, and/or other gas 1 fuels. Gaseous fuel boilers and process heaters that burn liquid fuel for periodic testing of liquid fuel, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year, are included in this definition. Gaseous fuel boilers and process heaters that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition.

(b) Pursuant §40 CFR 63.7575, "natural gas" means:

- (1) A naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane; or
- (2) Liquefied petroleum gas, as defined in ASTM D1835 (incorporated by reference, see § 63.14); or

SECTION D. Source Level Requirements

(3) A mixture of hydrocarbons that maintains a gaseous state at ISO conditions. Additionally, natural gas must either be composed of at least 70 percent methane by volume or have a gross calorific value between 35 and 41 megajoules (MJ) per dry standard cubic meter (950 and 1,100 Btu per dry standard cubic foot); or

(4) Propane or propane derived synthetic natural gas. Propane means a colorless gas derived from petroleum and natural gas, with the molecular structure C₃H₈.

(c) Pursuant §40 CFR 63.7575, a "period of gas curtailment or supply interruption" means a period of time during which the supply of gaseous fuel to an affected boiler or process heater is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility.

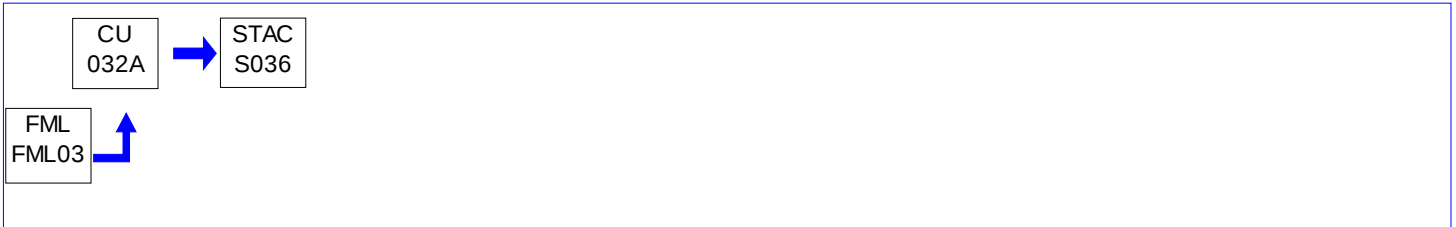
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 032A

Source Name: BOILER 2A (LOW NOX)

Source Capacity/Throughput:	11.700	MMBTU/HR	
	83.690	Gal/HR	#2 Oil
	11.500	MCF/HR	Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from this combustion unit in excess of the rate of 0.4 pound per million Btu of heat input pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §123.22]

Combustion units

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit, in the Southeast Air Basin, in excess of 1.2 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the emissions for nitrogen oxide (NO_x) and carbon monoxide (CO) from this combustion unit do not exceed the following:

- (a) 30 ppm_{dv} NO_x at 3% O₂ when firing gas; or
- (b) 90 ppm_{dv} NO_x at 3% O₂ when firing No. 2 fuel oil; and
- (c) 400 ppm_{dv} CO at 3% O₂.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that only natural gas is used as fuel for this combustion unit.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the fuel usage for this combustion unit on a monthly basis.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 60.48c]

- (a) The permittee shall maintain records of the type and amount of fuel usage for this combustion unit on a monthly basis.
- (b) In accordance with the provisions of §40 CFR 60.48c(g), the permittee shall keep monthly records of the fuel firing rates for this combustion unit to determine and estimate the sulfur dioxide (SO₂) emissions from the unit.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Applicability and delegation of authority.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

- (a) The Small NG & No. 2 F.O. Boilers (2) (Source ID: 031) are subject to the New Source Performance Standards of 40 CFR 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units).
- (b) The affected unit to which 40 CFR 60, Subpart Dc applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)) or less, but greater than or equal to 2.9 MW (10 MMBtu/hr).

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

When do I have to comply with this subpart?

The owner or operator of an existing boiler or process heater subject to this subpart must comply with this subpart no later than January 31, 2016.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7499]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What are the subcategories of boilers and process heaters?

- (a) This combustion unit is classified in the subcategory of "units designed to burn gas 1 fuels".
- (b) The owners or operators of boilers that are classified in the subcategory of "units designed to burn gas 1 fuels" must comply with the work practice standard of Table 3 of §40 CFR 63, Subpart DDDDD, which require a tune-up of the boiler as specified in §40 CFR 63.7540.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

How do I demonstrate initial compliance with the emission limits and work practice standards?

The owner or operator of a unit in the "unit designed to burn gas 1 fuels" subcategory, must submit a signed statement in

SECTION D. Source Level Requirements

the Notification of Compliance Status report that indicates that a tune-up of the unit was conducted.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

How do I demonstrate continuous compliance with the emission limits and work practice standards?

Pursuant §40 CFR 63.7540(a)(10)(i) through (vi), the owner or operator of boilers in the source category - heat input capacities of 10 MMBtu/hr or greater - must conduct an annual tune-up of the boiler as specified:

(a) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the owner or operator may delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the owner or operator may delay the inspection until the next scheduled unit shutdown);

(d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOx requirement to which the unit is subject;

(e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What notifications must I submit and when?

The owner or operator of a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that intends to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in §40 CFR 63.7575, must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in §40 CFR 63.7575. The notification must include the information specified in paragraphs (1) through (5).

(1) Company name and address.

(2) Identification of the affected unit.

(3) Reason you are unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.

(4) Type of alternative fuel that you intend to use.

(5) Dates when the alternative fuel use is expected to begin and end.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What reports must I submit and when?

The owners or operators of units that are required to conduct an annual tune-up according to §40 CFR 63.7540(a)(10) and not subject to emission limits or operating limits are required to submit an annual compliance report as specified in

SECTION D. Source Level Requirements

paragraphs (1) through (4).

(1) The first compliance report must cover the one (1) year period beginning on the compliance date per §40 CFR 63.7495(b) (e.g, January 31, 2016) and ending December 31, 2016.

(2) The first annual compliance report must be postmarked or submitted no later than January 31, 2017.

(3) Each subsequent annual compliance report must cover the reporting period from January 1 to December 31.

(4) Each subsequent annual compliance report must be postmarked or submitted no later than January 31.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What records must I keep?

The owner or operator of a unit in the "unit designed to burn gas 1 fuels" subcategory that uses an alternative fuel other than natural gas, refinery gas, gaseous fuel, or other gas 1 fuel must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7575]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What definitions apply to this subpart?

(a) Pursuant §40 CFR 63.7575, as promulgated in 78 FR 7138, "unit designed to burn gas 1 fuels" subcategory includes any boiler or process heater that burns only natural gas, refinery gas, and/or other gas 1 fuels. Gaseous fuel boilers and process heaters that burn liquid fuel for periodic testing of liquid fuel, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year, are included in this definition. Gaseous fuel boilers and process heaters that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition.

(b) Pursuant §40 CFR 63.7575, "natural gas" means:

(1) A naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane; or

(2) Liquefied petroleum gas, as defined in ASTM D1835 (incorporated by reference, see § 63.14); or

(3) A mixture of hydrocarbons that maintains a gaseous state at ISO conditions. Additionally, natural gas must either be composed of at least 70 percent methane by volume or have a gross calorific value between 35 and 41 megajoules (MJ) per dry standard cubic meter (950 and 1,100 Btu per dry standard cubic foot); or

(4) Propane or propane derived synthetic natural gas. Propane means a colorless gas derived from petroleum and natural gas, with the molecular structure C₃H₈.

(c) Pursuant §40 CFR 63.7575, a "period of gas curtailment or supply interruption" means a period of time during which the supply of gaseous fuel to an affected boiler or process heater is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility.

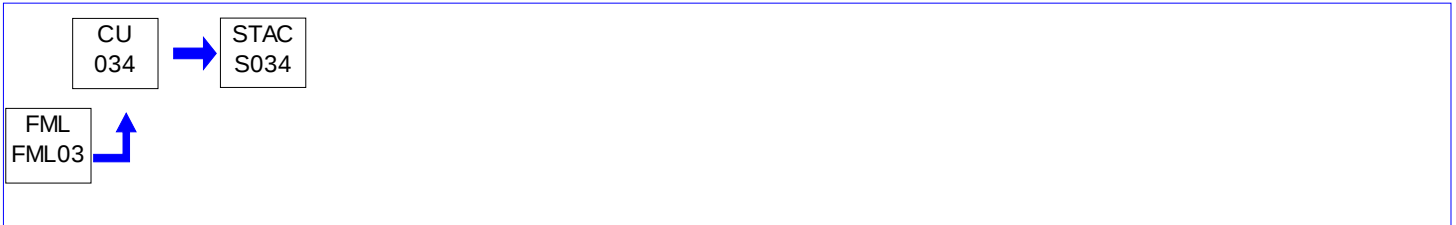
*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 034

Source Name: BOILER 4

Source Capacity/Throughput:	29.400	MMBTU/HR	
	211.500	Gal/HR	#2 Oil
	28.800	MCF/HR	Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

A person may not permit the emission into the outdoor atmosphere of particulate matter from this combustion unit in excess of the rate of 0.4 pound per million Btu of heat input pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §123.22]**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit, in the Southeast Air Basin, in excess of 1.2 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

(a) The permittee shall ensure that Nitrogen Oxide (NO_x) emissions from Boiler #4 (Source ID: 034) shall not exceed 0.143 pound per million Btu.

(b) The permittee shall ensure that Nitrogen Oxide (NO_x) emissions from Boiler #4 (Source ID: 034) shall not exceed 18.41 tons per year, as a twelve (12) month rolling sum.

Fuel Restriction(s).**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that only natural gas is used as fuel for this combustion unit.

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the type and calculate the pro rated fuel usage for this combustion unit on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

SECTION D. Source Level Requirements

- (a) The permittee shall keep a copy of the manufacturer's specifications for the maintenance and operation of the boiler.
- (b) The permittee shall keep the repair and maintenance records for the boilers on site and make them available upon request.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall maintain records of the calculated pro rated fuel usage for this combustion unit on a monthly basis.
- (b) The permittee shall calculated and maintain records of the annual NOx emissions from this combustion unit as a twelve (12) month rolling sum.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.512(h) and 129.93(b).]

The permittee shall comply with an annual tune-up requirements for this combustion unit. The annual tune-up of the boiler shall consist of but not be limited to the following:

- (a) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
- (b) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and, to the extent practicable, minimize the emissions of CO.
- (c) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.
- (d) Each adjustment conducted under the procedures in this condition shall be recorded in a permanently bound log book and shall include the following.
 - (i) The date of the tuning procedure
 - (ii) The name of the service company and technicians
 - (iii) The final operating rate or load
 - (iv) The final CO and NOx emission rates
 - (v) The final excess oxygen rate
- (e) The annual adustment shall be made in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved in writing by the Department.

VII. ADDITIONAL REQUIREMENTS.

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40c]

SECTION D. Source Level Requirements

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Applicability and delegation of authority.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The Small NG & No. 2 F.O. Boilers (2) (Source ID: 031) are subject to the New Source Performance Standards of 40 CFR 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units).

(b) The affected unit to which 40 CFR 60, Subpart Dc applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)) or less, but greater than or equal to 2.9 MW (10 MMBtu/hr).

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

When do I have to comply with this subpart?

The owner or operator of an existing boiler or process heater subject to this subpart must comply with this subpart no later than January 31, 2016.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7499]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What are the subcategories of boilers and process heaters?

(a) This combustion unit is classified in the subcategory of "units designed to burn gas 1 fuels".

(b) The owners or operators of boilers that are classified in the subcategory of "units designed to burn gas 1 fuels" must comply with the work practice standard of Table 3 of §40 CFR 63, Subpart DDDDD, which require a tune-up of the boiler as specified in §40 CFR 63.7540.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

How do I demonstrate initial compliance with the emission limits and work practice standards?

The owner or operator of a unit in the "unit designed to burn gas 1 fuels" subcategory, must submit a signed statement in the Notification of Compliance Status report that indicates that a tune-up of the unit was conducted.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

How do I demonstrate continuous compliance with the emission limits and work practice standards?

Pursuant §40 CFR 63.7540(a)(10)(i) through (vi), the owner or operator of boilers in the source category - heat input capacities of 10 MMBtu/hr or greater - must conduct an annual tune-up of the boiler as specified:

(a) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the owner or operator may delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the owner or operator may delay the inspection until the next scheduled unit shutdown);

(d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOx requirement to which the unit is subject;

SECTION D. Source Level Requirements

(e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What notifications must I submit and when?

The owner or operator of a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that intends to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in §40 CFR 63.7575, must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in §40 CFR 63.7575. The notification must include the information specified in paragraphs (1) through (5).

(1) Company name and address.

(2) Identification of the affected unit.

(3) Reason you are unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.

(4) Type of alternative fuel that you intend to use.

(5) Dates when the alternative fuel use is expected to begin and end.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What reports must I submit and when?

The owners or operators of units that are required to conduct an annual tune-up according to §40 CFR 63.7540(a)(10) and not subject to emission limits or operating limits are required to submit an annual compliance report as specified in paragraphs (1) through (4).

(1) The first compliance report must cover the one (1) year period beginning on the compliance date per §40 CFR 63.7495(b) (e.g., January 31, 2016) and ending December 31, 2016.

(2) The first annual compliance report must be postmarked or submitted no later than January 31, 2017.

(3) Each subsequent annual compliance report must cover the reporting period from January 1 to December 31.

(4) Each subsequent annual compliance report must be postmarked or submitted no later than January 31.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What records must I keep?

The owner or operator of a unit in the "unit designed to burn gas 1 fuels" subcategory that uses an alternative fuel other than natural gas, refinery gas, gaseous fuel, or other gas 1 fuel must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7575]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What definitions apply to this subpart?

(a) Pursuant §40 CFR 63.7575, as promulgated in 78 FR 7138, "unit designed to burn gas 1 fuels" subcategory includes

SECTION D. Source Level Requirements

any boiler or process heater that burns only natural gas, refinery gas, and/or other gas 1 fuels. Gaseous fuel boilers and process heaters that burn liquid fuel for periodic testing of liquid fuel, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year, are included in this definition. Gaseous fuel boilers and process heaters that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition.

(b) Pursuant §40 CFR 63.7575, "natural gas" means:

(1) A naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane; or

(2) Liquefied petroleum gas, as defined in ASTM D1835 (incorporated by reference, see § 63.14); or

(3) A mixture of hydrocarbons that maintains a gaseous state at ISO conditions. Additionally, natural gas must either be composed of at least 70 percent methane by volume or have a gross calorific value between 35 and 41 megajoules (MJ) per dry standard cubic meter (950 and 1,100 Btu per dry standard cubic foot); or

(4) Propane or propane derived synthetic natural gas. Propane means a colorless gas derived from petroleum and natural gas, with the molecular structure C₃H₈.

(c) Pursuant §40 CFR 63.7575, a "period of gas curtailment or supply interruption" means a period of time during which the supply of gaseous fuel to an affected boiler or process heater is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility.

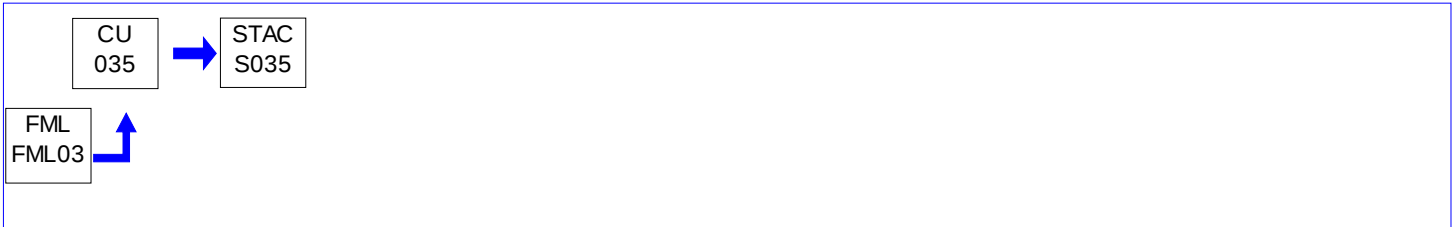
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 035

Source Name: BOILER 5 (LOW NOX)

Source Capacity/Throughput:	32.600	MMBTU/HR	
	234.530	Gal/HR	#2 Oil
	31.961	MCF/HR	Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from this combustion unit in excess of the rate of 0.4 pound per million Btu of heat input pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §123.22]

Combustion units

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit, in the Southeast Air Basin, in excess of 1.2 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall operate this combustion unit to reduce nitrogen oxide (NO_x) and carbon monoxide (CO) emissions to or below the following:

- (a) 30 ppm_{dv} NO_x at 3% O₂ when firing gas; or
- (b) 90 ppm_{dv} NO_x at 3% O₂ when firing No. 2 fuel oil; and,
- (c) 400 ppm_{dv} CO at 3% O₂.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the total nitrogen oxide (NO_x) emissions from this combustion unit shall not exceed 15.77 tons per year as a 12-month rolling sum.

Fuel Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that only natural gas is used as fuel for this combustion unit.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the fuel usage for this combustion unit on a monthly basis.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 60.48c]

(a) The permittee shall record the fuel usage for this combustion unit on a monthly basis.

(b) The permittee shall maintain records of the fuel firing rates of the combustion unit on a monthly basis in order to determine the sulfur dioxide (SO₂) emissions in accordance with §40 CFR 60.48c.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Applicability and delegation of authority.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The Small NG & No. 2 F.O. Boilers (2) (Source ID: 031) are subject to the New Source Performance Standards of 40 CFR 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units).

(b) The affected unit to which 40 CFR 60, Subpart Dc applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)) or less, but greater than or equal to 2.9 MW (10 MMBtu/hr).

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

When do I have to comply with this subpart?

The owner or operator of an existing boiler or process heater subject to this subpart must comply with this subpart no later than January 31, 2016.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7499]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What are the subcategories of boilers and process heaters?

(a) This combustion unit is classified in the subcategory of "units designed to burn gas 1 fuels".

(b) The owners or operators of boilers that are classified in the subcategory of "units designed to burn gas 1 fuels" must comply with the work practice standard of Table 3 of §40 CFR 63, Subpart DDDDD, which require a tune-up of the boiler as specified in §40 CFR 63.7540.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

How do I demonstrate initial compliance with the emission limits and work practice standards?

The owner or operator of a unit in the "unit designed to burn gas 1 fuels" subcategory, must submit a signed statement in

SECTION D. Source Level Requirements

the Notification of Compliance Status report that indicates that a tune-up of the unit was conducted.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

How do I demonstrate continuous compliance with the emission limits and work practice standards?

Pursuant §40 CFR 63.7540(a)(10)(i) through (vi), the owner or operator of boilers in the source category - heat input capacities of 10 MMBtu/hr or greater - must conduct an annual tune-up of the boiler as specified:

- (a) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the owner or operator may delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;
- (b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the owner or operator may delay the inspection until the next scheduled unit shutdown);
- (d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOx requirement to which the unit is subject;
- (e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What notifications must I submit and when?

The owner or operator of a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that intends to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in §40 CFR 63.7575, must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in §40 CFR 63.7575. The notification must include the information specified in paragraphs (1) through (5).

- (1) Company name and address.
- (2) Identification of the affected unit.
- (3) Reason you are unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.
- (4) Type of alternative fuel that you intend to use.
- (5) Dates when the alternative fuel use is expected to begin and end.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What reports must I submit and when?

The owners or operators of units that are required to conduct an annual tune-up according to §40 CFR 63.7540(a)(10) and not subject to emission limits or operating limits are required to submit an annual compliance report as specified in

SECTION D. Source Level Requirements

paragraphs (1) through (4).

(1) The first compliance report must cover the one (1) year period beginning on the compliance date per §40 CFR 63.7495(b) (e.g, January 31, 2016) and ending December 31, 2016.

(2) The first annual compliance report must be postmarked or submitted no later than January 31, 2017.

(3) Each subsequent annual compliance report must cover the reporting period from January 1 to December 31.

(4) Each subsequent annual compliance report must be postmarked or submitted no later than January 31.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What records must I keep?

The owner or operator of a unit in the "unit designed to burn gas 1 fuels" subcategory that uses an alternative fuel other than natural gas, refinery gas, gaseous fuel, or other gas 1 fuel must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7575]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What definitions apply to this subpart?

(a) Pursuant §40 CFR 63.7575, as promulgated in 78 FR 7138, "unit designed to burn gas 1 fuels" subcategory includes any boiler or process heater that burns only natural gas, refinery gas, and/or other gas 1 fuels. Gaseous fuel boilers and process heaters that burn liquid fuel for periodic testing of liquid fuel, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year, are included in this definition. Gaseous fuel boilers and process heaters that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition.

(b) Pursuant §40 CFR 63.7575, "natural gas" means:

(1) A naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane; or

(2) Liquefied petroleum gas, as defined in ASTM D1835 (incorporated by reference, see § 63.14); or

(3) A mixture of hydrocarbons that maintains a gaseous state at ISO conditions. Additionally, natural gas must either be composed of at least 70 percent methane by volume or have a gross calorific value between 35 and 41 megajoules (MJ) per dry standard cubic meter (950 and 1,100 Btu per dry standard cubic foot); or

(4) Propane or propane derived synthetic natural gas. Propane means a colorless gas derived from petroleum and natural gas, with the molecular structure C₃H₈.

(c) Pursuant §40 CFR 63.7575, a "period of gas curtailment or supply interruption" means a period of time during which the supply of gaseous fuel to an affected boiler or process heater is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility.

*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 036

Source Name: BOILER 6

Source Capacity/Throughput:

29.290

MMBTU/HR

N/A

Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from this combustion unit in excess of the rate of 0.4 pound per million Btu of heat input pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §123.22]

Combustion units

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit, in the Southeast Air Basin, in excess of 1.2 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that this combustion unit shall emit nitrogen oxide (NO_x) and carbon monoxide (CO) emissions at or below:

(a) 30 ppm_{dv} NO_x at 3% O₂.

(b) 300 ppm_{dv} CO at 3% O₂.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that this combustion unit shall be fired only on natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the natural gas consumption for this combustion unit on a daily basis.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 60.48c(g).]

(a) The permittee shall maintain records of the natural gas consumption for this combustion unit on a daily basis.

SECTION D. Source Level Requirements

(b) Pursuant §40 CFR 60.48c(g)(2), as an alternative to meeting the requirements of paragraph (a), the owner or operator of an affected source that combusts only natural gas may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that this combustion unit shall be:

- (a) Operated in such a manner as not to cause air pollution.
- (b) Operated and maintained in a manner consistent with good operating and maintenance practices.
- (c) Operated and maintained in accordance with the manufacturer's specifications.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR 60, Subpart Dc.]

The permittee shall install and maintain the necessary meter(s) to determine and to record amount of fuel usage.

VII. ADDITIONAL REQUIREMENTS.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

When do I have to comply with this subpart?

The owner or operator of an existing boiler or process heater subject to this subpart must comply with this subpart no later than January 31, 2016.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7499]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What are the subcategories of boilers and process heaters?

- (a) This combustion unit is classified in the subcategory of "units designed to burn gas 1 fuels".
- (b) The owners or operators of boilers that are classified in the subcategory of "units designed to burn gas 1 fuels" must comply with the work practice standard of Table 3 of §40 CFR 63, Subpart DDDDD, which require a tune-up of the boiler as specified in §40 CFR 63.7540.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

How do I demonstrate initial compliance with the emission limits and work practice standards?

The owner or operator of a unit in the "unit designed to burn gas 1 fuels" subcategory, must submit a signed statement in the Notification of Compliance Status report that indicates that a tune-up of the unit was conducted.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

SECTION D. Source Level Requirements

How do I demonstrate continuous compliance with the emission limits and work practice standards?

Pursuant §40 CFR 63.7540(a)(10)(i) through (vi), the owner or operator of boilers in the source category - heat input capacities of 10 MMBtu/hr or greater - must conduct an annual tune-up of the boiler as specified:

- (a) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the owner or operator may delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;
- (b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the owner or operator may delay the inspection until the next scheduled unit shutdown);
- (d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x requirement to which the unit is subject;
- (e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What notifications must I submit and when?

The owner or operator of a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that intends to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in §40 CFR 63.7575, must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in §40 CFR 63.7575. The notification must include the information specified in paragraphs (1) through (5).

- (1) Company name and address.
- (2) Identification of the affected unit.
- (3) Reason you are unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.
- (4) Type of alternative fuel that you intend to use.
- (5) Dates when the alternative fuel use is expected to begin and end.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What reports must I submit and when?

The owners or operators of units that are required to conduct an annual tune-up according to §40 CFR 63.7540(a)(10) and not subject to emission limits or operating limits are required to submit an annual compliance report as specified in paragraphs (1) through (4).

- (1) The first compliance report must cover the one (1) year period beginning on the compliance date per §40 CFR 63.7495(b) (e.g, January 31, 2016) and ending December 31, 2016.
- (2) The first annual compliance report must be postmarked or submitted no later than January 31, 2017.

SECTION D. Source Level Requirements

(3) Each subsequent annual compliance report must cover the reporting period from January 1 to December 31.

(4) Each subsequent annual compliance report must be postmarked or submitted no later than January 31.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What records must I keep?

The owner or operator of a unit in the "unit designed to burn gas 1 fuels" subcategory that uses an alternative fuel other than natural gas, refinery gas, gaseous fuel, or other gas 1 fuel must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7575]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What definitions apply to this subpart?

(a) Pursuant §40 CFR 63.7575, as promulgated in 78 FR 7138, "unit designed to burn gas 1 fuels" subcategory includes any boiler or process heater that burns only natural gas, refinery gas, and/or other gas 1 fuels. Gaseous fuel boilers and process heaters that burn liquid fuel for periodic testing of liquid fuel, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year, are included in this definition. Gaseous fuel boilers and process heaters that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition.

(b) Pursuant §40 CFR 63.7575, "natural gas" means:

(1) A naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane; or

(2) Liquefied petroleum gas, as defined in ASTM D1835 (incorporated by reference, see § 63.14); or

(3) A mixture of hydrocarbons that maintains a gaseous state at ISO conditions. Additionally, natural gas must either be composed of at least 70 percent methane by volume or have a gross calorific value between 35 and 41 megajoules (MJ) per dry standard cubic meter (950 and 1,100 Btu per dry standard cubic foot); or

(4) Propane or propane derived synthetic natural gas. Propane means a colorless gas derived from petroleum and natural gas, with the molecular structure C₃H₈.

(c) Pursuant §40 CFR 63.7575, a "period of gas curtailment or supply interruption" means a period of time during which the supply of gaseous fuel to an affected boiler or process heater is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility.

*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 037

Source Name: BOILER 7

Source Capacity/Throughput:

29.290 MMBTU/HR

N/A

Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

A person may not permit the emission into the outdoor atmosphere of particulate matter from this combustion unit in excess of the rate of 0.4 pound per million Btu of heat input pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §123.22]**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit, in the Southeast Air Basin, in excess of 1.2 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

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

The permittee shall ensure that this combustion unit shall emit nitrogen oxide (NO_x) and carbon monoxide (CO) emissions at or below:

(a) 30 ppm_{dv} NO_x at 3% O₂.

(b) 300 ppm_{dv} CO at 3% O₂.

Fuel Restriction(s).**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that this combustion unit shall be fired only on natural gas.

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the natural gas consumption for this combustion unit on a daily basis.

IV. RECORDKEEPING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from §40 CFR 60.48c(g).]

(a) The permittee shall maintain records of the natural gas consumption for this combustion unit on a daily basis.

SECTION D. Source Level Requirements

(b) Pursuant §40 CFR 60.48c(g)(2), as an alternative to meeting the requirements of paragraph (a), the owner or operator of an affected source that combusts only natural gas may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that this combustion unit shall be:

- (a) Operated in such a manner as not to cause air pollution.
- (b) Operated and maintained in a manner consistent with good operating and maintenance practices.
- (c) Operated and maintained in accordance with the manufacturer's specifications.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR 60, Subpart Dc.]

The permittee shall install and maintain the necessary meter(s) to determine and to record amount of fuel usage.

VII. ADDITIONAL REQUIREMENTS.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

When do I have to comply with this subpart?

The owner or operator of an existing boiler or process heater subject to this subpart must comply with this subpart no later than January 31, 2016.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7499]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What are the subcategories of boilers and process heaters?

- (a) This combustion unit is classified in the subcategory of "units designed to burn gas 1 fuels".
- (b) The owners or operators of boilers that are classified in the subcategory of "units designed to burn gas 1 fuels" must comply with the work practice standard of Table 3 of §40 CFR 63, Subpart DDDDD, which require a tune-up of the boiler as specified in §40 CFR 63.7540.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

How do I demonstrate initial compliance with the emission limits and work practice standards?

The owner or operator of a unit in the "unit designed to burn gas 1 fuels" subcategory, must submit a signed statement in the Notification of Compliance Status report that indicates that a tune-up of the unit was conducted.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

SECTION D. Source Level Requirements

How do I demonstrate continuous compliance with the emission limits and work practice standards?

Pursuant §40 CFR 63.7540(a)(10)(i) through (vi), the owner or operator of boilers in the source category - heat input capacities of 10 MMBtu/hr or greater - must conduct an annual tune-up of the boiler as specified:

- (a) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the owner or operator may delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;
- (b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the owner or operator may delay the inspection until the next scheduled unit shutdown);
- (d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOx requirement to which the unit is subject;
- (e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What notifications must I submit and when?

The owner or operator of a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that intends to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in §40 CFR 63.7575, must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in §40 CFR 63.7575. The notification must include the information specified in paragraphs (1) through (5).

- (1) Company name and address.
- (2) Identification of the affected unit.
- (3) Reason you are unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.
- (4) Type of alternative fuel that you intend to use.
- (5) Dates when the alternative fuel use is expected to begin and end.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What reports must I submit and when?

The owners or operators of units that are required to conduct an annual tune-up according to §40 CFR 63.7540(a)(10) and not subject to emission limits or operating limits are required to submit an annual compliance report as specified in paragraphs (1) through (4).

- (1) The first compliance report must cover the one (1) year period beginning on the compliance date per §40 CFR 63.7495(b) (e.g, January 31, 2016) and ending December 31, 2016.
- (2) The first annual compliance report must be postmarked or submitted no later than January 31, 2017.

SECTION D. Source Level Requirements

(3) Each subsequent annual compliance report must cover the reporting period from January 1 to December 31.

(4) Each subsequent annual compliance report must be postmarked or submitted no later than January 31.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What records must I keep?

The owner or operator of a unit in the "unit designed to burn gas 1 fuels" subcategory that uses an alternative fuel other than natural gas, refinery gas, gaseous fuel, or other gas 1 fuel must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7575]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What definitions apply to this subpart?

(a) Pursuant §40 CFR 63.7575, as promulgated in 78 FR 7138, "unit designed to burn gas 1 fuels" subcategory includes any boiler or process heater that burns only natural gas, refinery gas, and/or other gas 1 fuels. Gaseous fuel boilers and process heaters that burn liquid fuel for periodic testing of liquid fuel, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year, are included in this definition. Gaseous fuel boilers and process heaters that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition.

(b) Pursuant §40 CFR 63.7575, "natural gas" means:

(1) A naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane; or

(2) Liquefied petroleum gas, as defined in ASTM D1835 (incorporated by reference, see § 63.14); or

(3) A mixture of hydrocarbons that maintains a gaseous state at ISO conditions. Additionally, natural gas must either be composed of at least 70 percent methane by volume or have a gross calorific value between 35 and 41 megajoules (MJ) per dry standard cubic meter (950 and 1,100 Btu per dry standard cubic foot); or

(4) Propane or propane derived synthetic natural gas. Propane means a colorless gas derived from petroleum and natural gas, with the molecular structure C₃H₈.

(c) Pursuant §40 CFR 63.7575, a "period of gas curtailment or supply interruption" means a period of time during which the supply of gaseous fuel to an affected boiler or process heater is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility.

*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

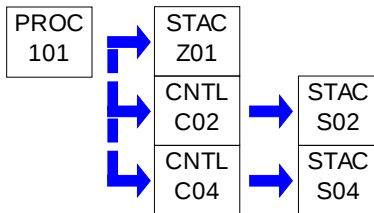
Source ID: 101

Source Name: ROTOGRAVURE PRESS 1

Source Capacity/Throughput:

476.300 Lbs/HR

INK SOLVENTS



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.448]

Emissions trading at facilities with Federally enforceable emissions cap.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall limit the aggregate VOC emissions from Presses 1, 4A, 7, 21, and 22 to the federally enforceable emission cap of 999 tons per year or less on a twelve (12) month rolling basis.

Control Device Efficiencies Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

(a) The permittee shall ensure that the VOC emissions from Rotogravure Press 1 (Source ID: 101) shall be controlled by a solvent recovery system (SRS) with a minimum of 85% capture-control efficiency.

(b) The permittee shall ensure that the facility, as a whole, shall maintain an overall VOC control efficiency of 91% or higher for the rotogravure printing operations.

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) To demonstrate compliance with the percent reduction equation of Condition #002, the permittee shall certify the composition of all inks/blanket wash/fountain solution/cleaning solvents used on this press, through Certified Product Data Sheets (CPDS), Material Safety Sheets (MSDS), and testing-done in accordance with EPA Method 24, as specified in §40 CFR 60 Appendix A, as specified below.

(b) The method(s) used to certify VOCs, HAPs, solids, and water composition shall adhere to the following parameters:

(1) CPDS. When a CPDS is supplied, there is no need to replicate testing to verify the accuracy of the CPDS; if the supplier used EPA Method 24 as a basis for the CPDS.

(2) MSDS. When the actual VOC and HAP emissions are less than 12.5 tons VOCs and 5 tons of an individual HAP or 12.5 tons of the aggregate of HAPs, whichever is more restrictive, as calculated based on the upper bounds reported on the MSDS, no additional testing is required. Solvents used to dilute coatings and for cleanup must be included in the calculation.

(c) Testing of individual coatings and/or inks and/or solvents is required when any of the following conditions is met:

(1) the facility is unable to comply with the requirements specified in paragraph (b)(1) and (b)(2) of this section.

SECTION D. Source Level Requirements

(2) a CPDS is not supplied and, the actual VOC and HAP emissions from individual materials exceed 12.5 tons VOCs, 5 tons for any one HAP and 12.5 tons for any aggregate of HAPs.

(3) results from the MSDS (when calculated to actual emissions) indicate VOCs greater than 12.5 tons.

(d) Whenever the levels in paragraph (c)(2) are exceeded in any on-going calendar year, and no CPDS is supplied, the material(s) must be tested during that year. From that point on, testing shall be conducted quarterly on at least 25% of the affected coatings and solvents, and all materials shall be tested at least once per calendar year.

(e) All testing shall be done on an as-applied state.

(f) When the Department takes samples of inks, U.S. EPA Method 24 testing may be used to test the ink.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

At least 180 days prior to the expiration of this permit, the permittee shall test the rotogravure presses and the solvent recovery systems (SRS) to demonstrate compliance with capture efficiency and the emission limitation for the VOCs in accordance with an EPA approved method.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the following information for this rotogravure printing press, when operating:

- (1) The hours of operation of each individual printing press.
- (2) The daily ink/blanket wash/fountain solution usage, in gallons and pounds of coating, as applied.
- (3) The ink/blanket wash/fountain solution composition:
 - (i) Percent solids by volume
 - (ii) Percent solvents by volume
 - (iii) Percent water by volume
 - (iv) Pounds of VOC per gallon minus water
 - (v) Pounds of VOC per pound of material
 - (vi) Solvent density

(b) The permittee shall monitor, on a daily basis, the quantity and identity of all solvents that contain VOCs that are used for cleaning purposes on the rotogravure printing presses.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the suction reading (e.g., set point) to the solvent recovery systems (SRS) on a daily basis, when operating.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain records of the following information for this rotogravure printing press, when operating:

- (1) The hours of operation for each individual printing press.
- (2) The daily ink/blanket wash/fountain solution usage, in gallons and pounds, as applied.
- (3) The ink/blanket wash/fountain solution composition:

SECTION D. Source Level Requirements

- (i) Percent solids by volume
- (ii) Percent solvents by volume
- (iii) Percent water by volume
- (iv) Pounds of VOC per gallon minus water
- (v) Pounds of VOC per pound of material
- (vi) Solvent density

(b) The permittee shall maintain daily records of the quantity and identity of all solvents that contain VOCs that are used for cleaning purposes on the rotogravure printing presses.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain a record (e.g., log) of each time the suction reading (e.g., set point) to the solvent recovery systems (SRS) is less than 0.5 pounds per square inch gauge (psig).

V. REPORTING REQUIREMENTS.

009 [25 Pa. Code §127.448]

Emissions trading at facilities with Federally enforceable emissions cap.

(a) The permittee shall notify the Department with seven (7) days written notice prior to making any physical changes or modifications to Presses 1, 4A, 7, 21 and 22, which do not require review of the USEPA or PADEP New Source Review (NSR) Program.

(b) The permittee shall maintain adequate records of all changes made under federally enforceable emissions cap and shall update the list of sources at the time of permit renewal.

VI. WORK PRACTICE REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

(a) The permittee shall ensure that a suction sensor is installed to measure the suction reading (e.g., set point) from the press to the solvent recovery systems (SRS).

(b) The permittee shall ensure that the suction reading (e.g., set point) to the solvent recovery systems (SRS) shall not be less than 0.5 psig at any time, when operating.

VII. ADDITIONAL REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

QC/LLC has provided documentation stating that a suction reading of 0.5 psig ensures the adequate airflow from Rotogravure Press 1 (Source ID: 101) reaches the solvent recovery systems (SRS) to prevent solvent vapors. The suction set point provides information necessary to safely operate and control the solvent laden air from the rotogravure presses. If the suction drop below the established set point, the rotogravure presses would shutdown automatically and cannot run again until the solvent recovery systems have attained adequate suction to capture the press airflow. The suction set point is constantly monitored by PLCs and is displayed on control monitored.

012 [25 Pa. Code §127.448]

Emissions trading at facilities with Federally enforceable emissions cap.

(a) For any new source, or sources that are modified or reactivated, or air cleaning devices that are installed under the federally enforceable emissions limit, the permittee shall obtain all required permits or approvals before construction, modification, reactivation, and operation pursuant to all applicable requirements, with exception of 25 Pa. Code, Chapter 127, Subchapter E, New Source Review (NSR), relative to VOC emissions.

(b) Any changes in operations of Presses 1, 4A, 7, 21, and 22 that result in an actual emission increase greater than the

SECTION D. Source Level Requirements

established federally enforceable limit will subject the facility to the major New Source Review (NSR) requirements of 25 Pa. Code, Chapter 127, Subchapter E.

013 [25 Pa. Code §127.448]

Emissions trading at facilities with Federally enforceable emissions cap.

The issuance of the federally enforceable emissions cap does not prevent the future adoption by the Department of any rules, standards, or orders necessary to comply with the requirements of the state Air Pollution Control Act or the federal Clean Air Act, or to achieve or maintain ambient air quality standards, and does not prevent the enforcement of these above mentioned rules, standards, or others against the permittee.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.824]

Subpart KK--National Emission Standards for the Printing and Publishing Industry Standards: Publication rotogravure printing.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

For presses using a solvent recovery device to control emissions, the permittee shall demonstrate compliance by showing that the HAP emission limitation is achieved by following the procedures below:

(a) Perform a liquid-liquid material balance for each month as follows:

(i) Measure the mass of each ink, coating, varnish adhesive, primer, solvent, and other material used by the affected source during the month.

(ii) Determine the organic HAP content of each ink, coating, varnish, adhesive, primer, solvent and other material used by the affected source during the month following the procedure in §40 CFR 63.827(b)(1).

(iii) Determine the volatile matter content, including water, of each ink, coating, varnish, adhesive, primer, solvent, and other material used by the affected source during the month.

(iv) Install, calibrate, maintain and operate, according to the manufacturer's specifications, a device that indicates the cumulative amount of volatile matter recovered by the solvent recovery device on a monthly basis. The device shall be initially certified by the manufacturer to be accurate to within 2.0%.

(v) Measure the amount of volatile matter recovered for the month.

(vi) Calculate the overall effective organic HAP control efficiency (Re) for the month using Equation 1 contained in §40 CFR 63.824(b)(1)(F), Subpart KK.

(vii) The affected source is in compliance for the month, if the Re is at least 92% each month.

[Compliance with this more stringent condition also ensures compliance with §40 CFR 60, Subpart QQ].

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.824]

Subpart KK--National Emission Standards for the Printing and Publishing Industry Standards: Publication rotogravure printing.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

The permittee shall limit emissions of organic HAP to no more than eight percent (8%) of the total volatile matter used each month. The emission limitation may be achieved by overall control of at least ninety-two (92%) of organic HAP used, by substitution of non-HAP materials for organic HAP, or by a combination of capture and control technologies and substitution of materials.

[Compliance with this more stringent condition also ensures compliance with §40 CFR 60, Subpart QQ].

SECTION D. Source Level Requirements

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.829]
Subpart KK--National Emission Standards for the Printing and Publishing Industry
Recordkeeping requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

The permittee shall calculate and maintain records of all liquid-liquid material balances performed to determine compliance with emission standards of the section.

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.830]
Subpart KK--National Emission Standards for the Printing and Publishing Industry
Reporting requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

The summary report specified in §40 CFR 63.10(e)(3) shall be submitted on a semi-annual basis (once every six-month period). In addition to a report of operating parameter exceedances as required by §40 CFR 63.10(e)(3)(i), the summary report shall include, as applicable:

- (a) Exceedances of the standards in §40 CFR 63.824-63.825.
- (b) Exceedances of either of the criteria of §40 CFR 63.820(a)(2).
- (c) Exceedances of the criterion of §40 CFR 63.821(b)(1) and the criterion of §40 CFR 63.821(b)(2) in the same month.
- (d) Exceedances of the criterion of §40 CFR 63.821(a)(2)(ii)(A).

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

SECTION D. Source Level Requirements

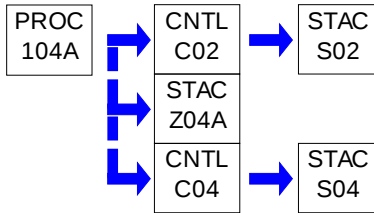
Source ID: 104A

Source Name: ROTOGRAVURE PRESS 4A

Source Capacity/Throughput:

646.000 Lbs/HR

INK SOLVENTS



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.448]

Emissions trading at facilities with Federally enforceable emissions cap.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall limit the aggregate VOC emissions from Presses 1, 4A, 7, 21, and 22 to the federally enforceable emission cap of 999 tons per year or less on a twelve (12) month rolling basis.

Control Device Efficiencies Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

(a) The permittee shall ensure that the VOC emissions from the rotogravure Presses 1 and 4A (Source ID(s): 101 and 104A) shall be controlled by a solvent recovery system (SRS) with a minimum of 85% capture-control efficiency.

(b) The permittee shall ensure that the facility, as a whole, shall maintain an overall VOC control efficiency of 91% or higher for the rotogravure printing operations.

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

At least 180 days prior to the expiration of this permit, the permittee shall test the rotogravure presses and the solvent recovery systems (SRS) to demonstrate compliance with capture efficiency and the emission limitation for the VOC contents in accordance with an EPA approved method.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) To demonstrate compliance with the percent reduction equation of Condition #002, the permittee shall certify the composition of all inks/blanket wash/fountain solution/cleaning solvent used on this press, through Certified Product Data Sheets (CPDS), Material Safety Sheets (MSDS), and testing done in accordance with EPA Method 24, as specified in 40 CFR 60 Appendix A, as specified below.

(b) The method(s) used to certify VOCs, HAPs, solids, and water composition shall adhere to the following parameters:

(1) CPDS. When a CPDS is supplied, there is no need to replicate testing to verify the accuracy of the CPDS; if the supplier used EPA Method 24 as a basis for the CPDS.

(2) MSDS. When the actual VOC and HAP emissions are less than 12.5 tons VOCs and 5 tons of an individual HAP or 12.5 tons of the aggregate of HAPs, whichever is more restrictive, as calculated based on the upper bounds reported on the MSDS, no additional testing is required. Solvents used to dilute coatings and for cleanup must be included in the

SECTION D. Source Level Requirements

calculation.

(c) Testing of individual coatings and/or inks and/or solvents is required when any of the following conditions is met:

(1) the facility is unable to comply with the requirements specified in paragraph (b)(1) and (b)(2) of this section.

(2) a CPDS is not supplied and, the actual VOC and HAP emissions from individual materials exceed 12.5 tons VOCs, 5 tons for any one HAP and 12.5 tons for any aggregate of HAPs.

(3) results from the MSDS (when calculated to actual emissions) indicate VOCs greater than 12.5 tons.

(d) Whenever the levels in paragraph (c)(2) are exceeded in any on-going calendar year, and no CPDS is supplied, the material(s) must be tested during that year. From that point on, testing shall be conducted quarterly on at least 25% of the affected coatings and solvents, and all materials shall be tested at least once per calendar year.

(e) All testing shall be done on an as-applied state.

(f) When the Department takes samples of inks, U.S. EPA Method 24 testing may be used to test the ink.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the following information for this rotogravure printing press, when operating:

(1) The hours of operation of each individual printing press.

(2) The daily ink/blanket wash/fountain solution usage, in gallons and pounds of coating, as applied.

(3) The ink/blanket wash/fountain solution composition:

- (i) Percent solids by volume
- (ii) Percent solvents by volume
- (iii) Percent water by volume
- (iv) Pounds of VOC per gallon minus water
- (v) Pounds of VOC per pound of material
- (vi) Solvent density

(b) The permittee shall monitor, on a daily basis, the quantity and identity of all solvents that contain VOCs that are used for cleaning purposes on the rotogravure printing presses.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the suction reading (e.g., set point) to the solvent recovery systems (SRS) on a daily basis, when operating.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain records of the following information for this rotogravure printing press, when operating:

(1) The hours of operation for each individual printing press.

(2) The daily ink/blanket wash/fountain solution usage, in gallons and pounds, as applied.

SECTION D. Source Level Requirements

(3) The ink/blanket wash/fountain solution composition:

- (i) Percent solids by volume
- (ii) Percent solvents by volume
- (iii) Percent water by volume
- (iv) Pounds of VOC per gallon minus water
- (v) Pounds of VOC per pound of material
- (vi) Solvent density

(b) The permittee shall maintain daily records of the quantity and identity of all solvents that contain VOCs that are used for cleaning purposes on the rotogravure printing presses.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain a record (e.g., log) of each time the suction reading (e.g., set point) to the solvent recovery systems (SRS) is less than 0.5 pounds per square inch gauge (psig).

V. REPORTING REQUIREMENTS.

009 [25 Pa. Code §127.448]

Emissions trading at facilities with Federally enforceable emissions cap.

(a) The permittee shall notify the Department with seven (7) days written notice prior to making any physical changes or modifications to Presses 1, 4A, 7, 21 and 22, which do not require review of the USEPA or PADEP New Source Review (NSR) Program.

(b) The permittee shall maintain adequate records of all changes made under federally enforceable emissions cap and shall update the list of sources at the time of permit renewal.

VI. WORK PRACTICE REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

(a) The permittee shall ensure that a suction sensor is installed to measure the suction reading (e.g., set point) from the press to the solvent recovery systems (SRS).

(b) The permittee shall ensure that the suction reading (e.g., set point) to the solvent recovery systems (SRS) shall not be less than 0.5 psig at any time, when operating.

VII. ADDITIONAL REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

QC/LLC has provided documentation stating that a suction reading of 0.5 psig ensures the adequate airflow from Rotogravure Press 1 (Source ID: 101) reaches the solvent recovery systems (SRS) to prevent solvent vapors. The suction set point provides information necessary to safely operate and control the solvent laden air from the rotogravure presses. If the suction drop below the established set point, the rotogravure presses would shutdown automatically and cannot run again until the solvent recovery systems have attained adequate suction to capture the press airflow. The suction set point is constantly monitored by PLCs and is displayed on control monitored.

012 [25 Pa. Code §127.448]

Emissions trading at facilities with Federally enforceable emissions cap.

(a) For any new source, or sources that are modified or reactivated, or air cleaning devices that are installed under the federally enforceable emissions limit, the permittee shall obtain all required permits or approvals before construction, modification, reactivation, and operation pursuant to all applicable requirements, with exception of 25 Pa. Code, Chapter 127, Subchapter E, New Source Review (NSR), relative to VOC emissions.

SECTION D. Source Level Requirements

(b) Any changes in operations of Presses 1, 4A, 7, 21, and 22 that result in an actual emission increase greater than the established federally enforceable limit will subject the facility to the major New Source Review (NSR) requirements of 25 Pa. Code, Chapter 127, Subchapter E.

013 [25 Pa. Code §127.448]

Emissions trading at facilities with Federally enforceable emissions cap.

The issuance of the federally enforceable emissions cap does not prevent the future adoption by the Department of any rules, standards, or orders necessary to comply with the requirements of the state Air Pollution Control Act or the federal Clean Air Act, or to achieve or maintain ambient air quality standards, and does not prevent the enforcement of these above mentioned rules, standards, or others against the permittee.

014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.430]

Subpart QQ - Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing Applicability and designation of affected facility.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

Rotogravure Press 4A (Source ID: 104A) is subject to §40 CFR Part 60, Subpart QQ of the Standard of Performance for New Stationary Sources (NSPS) and shall comply with all applicable requirements of this regulation.

015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.434]

Subpart QQ - Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing Monitoring of operations and recordkeeping.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) After completion of the performance test required under §40 CFR 60.8, the affected facility using waterborne ink systems or solvent-borne ink systems with solvent recovery systems shall record the amount of solvent and water used, solvent recovered, and estimated emission percentage for each performance averaging period and shall maintain these records for two (2) years. The emission percentage is estimated as follows:

(1) The performance averaging period for monitoring of proper operation and maintenance is a calendar month or four (4) consecutive weeks, at the option of the permittee.

(2) Except as provided in paragraph (3), temperatures and liquid densities determined during the most recent performance test are used to calculate corrected volumes and mass quantities.

(3) The affected facility may choose to measure temperatures for determination of actual liquid densities during each performance averaging period. A different base temperature may be used for each performance averaging period if desired by the permittee.

(4) The emission percentage is calculated according to the procedures under §§40 CFR 60.433(b) through (g), whichever applies, or by a comparable calculation which compares the total solvent recovered to the total solvent used at the affected facility.

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.435]

Subpart QQ - Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing Test methods and procedures.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The affected facility using solvent-borne ink systems shall determine the VOC content of the raw inks and related coatings used by:

(1) Analysis using Reference Method 24A of routine weekly samples of raw ink and related coatings in each respective storage tank; or

(2) Analysis using Reference Method 24A of samples of each shipment of all purchased raw inks and related coatings; or

SECTION D. Source Level Requirements

(3) Determination of the VOC content from the formulation data supplied by the ink manufacturer with each shipment of raw inks and related coatings used.

(b) The affected facility using solvent-borne ink systems shall use the results of verification analyses by Reference Method 24A to determine compliance when discrepancies with ink manufacturers' formulation data occur.

(c) The affected facility using waterborne ink systems shall determine the VOC and water content of raw inks and related coatings used by:

(1) Determination of the VOC and water content from the formulation data supplied by the ink manufacturer with each shipment of purchased raw inks and related coatings used; or

(2) Analysis of samples of each shipment of purchased raw inks and related coatings using a test method approved by the Administrator in accordance with §40 CFR 60.8(b).

(d) The affected facility shall determine the density of raw inks, related coatings, and VOC solvents by:

(1) Making a total of three (3) determinations for each liquid sample at specified temperatures using the procedure outlined in ASTM D 1475-60 (Reapproved 1980). The temperature and density is recorded as the arithmetic average of the three determinations; or

(2) Using literature values, at specified temperatures, acceptable to the Administrator.

[Note: The procedure outlined in ASTM D 1475-60 is available from the American Society of Testing and Materials, 1916 Race Street, Philadelphia, Pennsylvania 19103. It is also available for inspection at the Office of the Federal Register, Room 8401, 1100 L Street, NW., Washington, DC.]

(e) If compliance is determined according to §40 CFR 60.433(e), (f), or (g), the existing as well as affected facilities are subject to the requirements of paragraphs (a) through (c) above.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.824]

Subpart KK--National Emission Standards for the Printing and Publishing Industry Standards: Publication rotogravure printing.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

For presses using a solvent recovery device to control emissions, the permittee shall demonstrate compliance by showing that the HAP emission limitation is achieved by following the procedures below:

(a) Perform a liquid-liquid material balance for each month as follows:

(i) Measure the mass of each ink, coating, varnish adhesive, primer, solvent, and other material used by the affected source during the month.

(ii) Determine the organic HAP content of each ink, coating, varnish, adhesive, primer, solvent and other material used by the affected source during the month following the procedure in §40 CFR 63.827(b)(1).

(iii) Determine the volatile matter content, including water, of each ink, coating, varnish, adhesive, primer, solvent, and other material used by the affected source during the month.

(iv) Install, calibrate, maintain and operate, according to the manufacturer's specifications, a device that indicates the cumulative amount of volatile matter recovered by the solvent recovery device on a monthly basis. The device shall be initially certified by the manufacturer to be accurate to within 2.0%.

(v) Measure the amount of volatile matter recovered for the month.

(vi) Calculate the overall effective organic HAP control efficiency (Re) for the month using Equation 1 contained in §40 CFR

SECTION D. Source Level Requirements

63.824(b)(1)(F), Subpart KK.

(vii) The affected source is in compliance for the month, if the Re is at least 92% each month.

[Compliance with this more stringent condition also ensures compliance with §40 CFR 60, Subpart QQ].

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.824]
Subpart KK--National Emission Standards for the Printing and Publishing Industry
Standards: Publication rotogravure printing.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

The permittee shall limit emissions of organic HAP to no more than eight percent (8%) of the total volatile matter used each month. The emission limitation may be achieved by overall control of at least ninety-two (92%) of organic HAP used, by substitution of non-HAP materials for organic HAP, or by a combination of capture and control technologies and substitution of materials.

[Compliance with this more stringent condition also ensures compliance with §40 CFR 60, Subpart QQ].

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.829]
Subpart KK--National Emission Standards for the Printing and Publishing Industry
Recordkeeping requirements.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

The permittee shall calculate and maintain records of all liquid-liquid material balances performed to determine compliance with emission standards of the section.

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.830]
Subpart KK--National Emission Standards for the Printing and Publishing Industry
Reporting requirements.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

The summary report specified in §40 CFR 63.10(e)(3) shall be submitted on a semi-annual basis (once every six-month period). In addition to a report of operating parameter exceedances as required by §40 CFR 63.10(e)(3)(i), the summary report shall include, as applicable:

- (a) Exceedances of the standards in §40 CFR 63.824-63.825.
- (b) Exceedances of either of the criteria of §40 CFR 63.820(a)(2).
- (c) Exceedances of the criterion of §40 CFR 63.821(b)(1) and the criterion of §40 CFR 63.821(b)(2) in the same month.
- (d) Exceedances of the criterion of §40 CFR 63.821(a)(2)(ii)(A).

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

SECTION D. Source Level Requirements

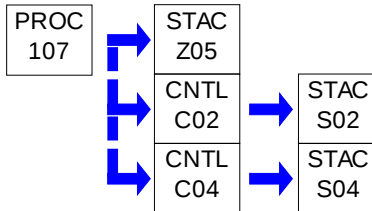
Source ID: 107

Source Name: 4-COLOR ROTOGRAVURE PRESS 7

Source Capacity/Throughput:

N/A

INK SOLVENTS



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall limit the aggregate VOC emissions from Presses 1, 4A, 7, 21 and 22 to the federally enforceable emission cap of 999 tons per year or less as a twelve (12) month rolling sum.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

(a) The permittee shall ensure that the total volatile organic compound (VOC) emissions from the rotogravure Press 7 (Source ID: 107) shall not exceed:

- (i) A maximum peak hourly rate of 43.0 pounds per hour,
- (ii) An annual rate of 150 tons per year as a twelve (12) month rolling sum calculated monthly.

(b) The permittee can verify compliance with the maximum peak hourly VOC emission limit through testing as required in Condition #004.

Control Device Efficiencies Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the facility, as a whole, shall maintain an overall VOC control efficiency of 91% or higher for the rotogravure printing operations.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) To demonstrate compliance with the percent reduction equation of Condition #003, the permittee shall certify the composition of all inks/blanket wash/fountain solution/cleaning solvent used on this press, through Certified Product Data Sheets (CPDS), Material Safety Sheets (MSDS), and testing-done in accordance with EPA Method 24, as specified in 40 CFR 60 Appendix A, as specified below.

(b) The method(s) used to certify VOCs, HAPs, solids, and water composition shall adhere to the following parameters:

- (1) CPDS. When a CPDS is supplied, there is no need to replicate testing to verify the accuracy of the CPDS; if the supplier used EPA Method 24 as a basis for the CPDS.

SECTION D. Source Level Requirements

(2) MSDS. When the actual VOC and HAP emissions are less than 12.5 tons VOCs and 5 tons of an individual HAP or 12.5 tons of the aggregate of HAPs, whichever is more restrictive, as calculated based on the upper bounds reported on the MSDS, no additional testing is required. Solvents used to dilute coatings and for cleanup must be included in the calculation.

(c) Testing of individual coatings and/or inks and/or solvents is required when any of the following conditions is met:

(1) the facility is unable to comply with the requirements specified in paragraph (b)(1) and (b)(2) of this section.

(2) a CPDS is not supplied and, the actual VOC and HAP emissions from individual materials exceed 12.5 tons VOCs, 5 tons for any one HAP and 12.5 tons for any aggregate of HAPs.

(3) results from the MSDS (when calculated to actual emissions) indicate VOCs greater than 12.5 tons.

(d) Whenever the levels in paragraph (c)(2) are exceeded in any on-going calendar year, and no CPDS is supplied, the material(s) must be tested during that year. From that point on, testing shall be conducted quarterly on at least 25% of the affected coatings and solvents, and all materials shall be tested at least once per calendar year.

(e) All testing shall be done on an as-applied state.

(f) When the Department takes samples of inks, U.S. EPA Method 24 testing may be used to test the ink.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

At least 180 days prior to the expiration of this permit, the permittee shall test the rotogravure presses and the solvent recovery systems (SRS) to demonstrate compliance with capture efficiency and the emission limitation for the VOC contents in accordance with an EPA approved method.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the airflow, in standard cubic feet per meter (scfm), from rotogravure Press 7 (Source ID: 107) to the solvent recovery system, on a daily basis, when operating.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the following information for the rotogravure Press 7 (Source ID: 107), whenever operating:

(1) The hours of operation.

(2) The daily ink/blanket wash/fountain solution usage, in gallons and pounds as applied.

(3) The ink/blanket wash/fountain solution composition:

- (i) Percent solids by volume
- (ii) Percent organic solvents by volume
- (iii) Percent water by volume
- (iv) pounds of VOC per gallon minus water
- (v) pounds of VOC per pound of material
- (vi) Solvent density

(b) The company shall monitor, on a daily basis, the quantity and identity of all cleaning solvents that contain VOCs used for cleaning purposes on the press.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall maintain records of the airflow, in standard cubic feet per meter (scfm), from the rotogravure Press 7 (Source ID: 107) to the solvent recovery system, on a daily basis, when operating.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain records of the following information for the rotogravure Press 7 (Source ID: 107), whenever operating:

- (1) The hours of operation,
- (2) The daily ink/blanket wash/fountain solution usage in gallons and pounds of ink, as applied.
- (3) The ink/blanket wash/fountain solution composition:
 - (i) Percent solids by volume
 - (ii) Percent organic solvents by volume
 - (iii) Percent water by volume
 - (iv) Pounds of VOC per gallon minus water
 - (v) Pounds of VOC per pound of material
 - (vi) Solvent density

(b) The company shall record, on a daily basis, the quantity and identity of all cleaning solvents that contain VOCs used for cleaning purposes on the press.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain a VOC emission tracking system to verify compliance with the maximum peak hourly rate and the annual emission limit of 43 pounds per hour and 150 tons per year, respectively.

(b) The tracking system shall quantify emissions from the rotogravure Press 7 (Source ID: 107) by accounting for the amount, in pounds, of all VOC materials used, as applied.

(c) The actual emissions shall be calculated monthly based on time/run averages.

(c) The tracking system must also demonstrate compliance with the 98% overall control efficiency of the solvent recovery system (SRS).

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

(a) The permittee shall ensure that the rotogravure Press 7 (Source ID: 107) shall be contained within a permanent total enclosure (PTE).

(b) The captured emissions shall be directed to a solvent recovery system (SRS) with a minimum 98% overall control

SECTION D. Source Level Requirements

efficiency.

(c) To ensure compliance with the 98% control efficiency, the permittee shall calculate the overall control efficiency based on Continuous Emission Monitoring (CEM) of solvent vapor concentrations on the inlet side of the solvent recovery system versus the solvent vapor concentration on the outside of the solvent recovery system.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the rotogravure Press 7 (Source ID: 107) shall be equipped with a flow meter to measure and record the airflow from the press to the solvent recovery system (SRS).

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the total combined airflow to Solvent Recovery System 2 (SRS2) (Source ID: C02) shall not exceed 195,000 scfm at any time.

VII. ADDITIONAL REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

Prior to the start-up of the rotogravure Press 7, the permittee had provided an appropriate Emissions Reduction Credit (ERC) from the Dept.'s ERC registry. In order to offset the facility net emission increase, the permittee used the ERCs generated from the federally enforceable emission cap which reduces the actual emissions from the existing presses.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.824]

Subpart KK--National Emission Standards for the Printing and Publishing Industry

Standards: Publication rotogravure printing.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

For presses using a solvent recovery device to control emissions, the permittee shall demonstrate compliance by showing that the HAP emission limitation is achieved by following the procedures below:

(a) Perform a liquid-liquid material balance for each month as follows:

(i) Measure the mass of each ink, coating, varnish adhesive, primer, solvent, and other material used by the affected source during the month.

(ii) Determine the organic HAP content of each ink, coating, varnish, adhesive, primer, solvent and other material used by the affected source during the month following the procedure in §40 CFR 63.827(b)(1).

(iii) Determine the volatile matter content, including water, of each ink, coating, varnish, adhesive, primer, solvent, and other material used by the affected source during the month.

(iv) Install, calibrate, maintain and operate, according to the manufacturer's specifications, a device that indicates the cumulative amount of volatile matter recovered by the solvent recovery device on a monthly basis. The device shall be initially certified by the manufacturer to be accurate to within 2.0%.

(v) Measure the amount of volatile matter recovered for the month.

(vi) Calculate the overall effective organic HAP control efficiency (Re) for the month using Equation 1 contained in §40 CFR

SECTION D. Source Level Requirements

63.824(b)(1)(F), Subpart KK.

(vii) The affected source is in compliance for the month, if the Re is at least 92% each month.

[Compliance with this more stringent condition also ensures compliance with §40 CFR 60, Subpart QQ].

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.824]
Subpart KK--National Emission Standards for the Printing and Publishing Industry
Standards: Publication rotogravure printing.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

The permittee shall limit emissions of organic HAP to no more than eight percent (8%) of the total volatile matter used each month. The emission limitation may be achieved by overall control of at least ninety-two (92%) of organic HAP used, by substitution of non-HAP materials for organic HAP, or by a combination of capture and control technologies and substitution of materials.

[Compliance with this more stringent condition also ensures compliance with §40 CFR 60, Subpart QQ].

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.829]
Subpart KK--National Emission Standards for the Printing and Publishing Industry
Recordkeeping requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

The permittee shall calculate and maintain records of all liquid-liquid material balances performed to determine compliance with emission standards of the section.

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.830]
Subpart KK--National Emission Standards for the Printing and Publishing Industry
Reporting requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

The summary report specified in §40 CFR 63.10(e)(3) shall be submitted on a semi-annual basis (once every six-month period). In addition to a report of operating parameter exceedances as required by §40 CFR 63.10(e)(3)(i), the summary report shall include, as applicable:

- (a) Exceedances of the standards in §40 CFR 63.824-63.825.
- (b) Exceedances of either of the criteria of §40 CFR 63.820(a)(2).
- (c) Exceedances of the criterion of §40 CFR 63.821(b)(1) and the criterion of §40 CFR 63.821(b)(2) in the same month.
- (d) Exceedances of the criterion of §40 CFR 63.821(a)(2)(ii)(A).

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

SECTION D. Source Level Requirements

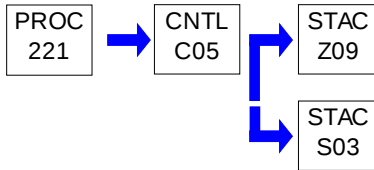
Source ID: 221

Source Name: 4-COLOR HEATSET OFFSET LITHO WEB PRESS 21

Source Capacity/Throughput:

N/A

INK SOLVENTS



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the total NO_x emission increase due to the operation of the lithographic Press #21 (Source ID: 221), the lithographic Press #22 (Source ID: 222) and the regenerative thermal oxidizer (Source ID: C05) shall not exceed 11.5 tons per year, as a twelve (12) month rolling sum.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the total volatile organic compound (VOC) emissions from the lithographic Press #21 (Source ID: 221) and the lithographic Press #22 (Source ID: 222), including stack and fugitive emissions, shall not exceed 21.0 tons per year, as a twelve (12) month rolling sum.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall limit the aggregate VOC emissions from Presses 1, 4A, 7, 8, 21, and 22 to the federally enforceable emission cap of 999 tons per year or less as a 12-month rolling sum.

Control Device Efficiencies Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The regenerative thermal oxidizer (Source ID: C05) used to control emissions from the lithographic Press 21 (Source ID: 221) and the lithographic Press 22 (Sources ID: 222) shall maintain a minimum VOC destruction efficiency of 98%.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor of the following for the lithographic Press #21 (Source ID: 221) and the lithographic Press #22 (Source ID: 222):

- (a) Daily ink, fountain solution and cleaning solution quantity in gallons and pounds of material as applied per day,

SECTION D. Source Level Requirements

- (b) The materials composition:
- (i) Percent solids by volume
 - (ii) Percent organic solvent by volume
 - (iii) Percent water by volume
 - (iv) Pounds of VOC per gallon minus water
 - (v) Pounds of VOC per pound of material
 - (vi) Density of solvents
- (c) Hours of actual operation per day.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall maintain records of the following for the lithographic Press #21 (Source ID: 221) and the lithographic Press #22 (Source ID: 222):

- (a) Daily ink, fountain solution and cleaning solution quantity in gallons and pounds of material as applied per day,
- (b) The materials composition:
- (i) Percent solids by volume
 - (ii) Percent organic solvent by volume
 - (iii) Percent water by volume
 - (iv) Pounds of VOC per gallon minus water
 - (v) Pounds of VOC per pound of material
 - (vi) Density of solvents
- (c) Hours of actual operation per day

These records shall be maintained on site, in a format approved by the Department and shall be made available upon request.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall use a Department-approved VOC emission tracking system to demonstrate compliance with the VOC emission limit for the lithographic Press #21 (Source ID: 221) and the lithographic Press #22 (Source ID: 222). This recordkeeping format shall generate an estimated summary of actual VOC emission by accounting for the amount, in pounds, of all VOC materials used each day, on a monthly basis.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

SECTION D. Source Level Requirements

The permittee shall ensure that the regenerative thermal oxidizer (Source ID: C03) for the lithographic Press #21 (Source ID: 221) and the lithographic Press #22 (Source ID: 222) shall maintain a minimum capture efficiency of 98.6%.

The captured emissions from the presses shall be directed to the regenerative thermal oxidizer (Source ID: C05) with a minimum destruction efficiency of 98% or 23 ppm (parts per million) VOC as methane. The overall VOC control efficiency shall be maintained at a minimum of 96.6%.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the temperature and retention time of the dryers shall be set and maintained at a temperature to ensure complete dryness of the substrate.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the dryers fan speed is not changed without prior approval of the Department.

VII. ADDITIONAL REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

(a) The two (2) web-fed offset lithographic presses #21 and #22 (Source ID(s): 221 and 22) manufactured by Goss, Model C-700 are equipped with drying units. The drying units are a Thermo Wisconsin TF system rated at 2.4 MMBtu/hr firing natural gas as fuel.

(b) The lithographic Press #21 (Source ID: 221) and the lithographic Press #22 (Source ID: 222) may run as individual 4-unit presses or in tandem as an 8-unit press.

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

SECTION D. Source Level Requirements

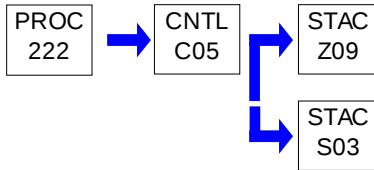
Source ID: 222

Source Name: 4-COLOR HEATSET OFFSET LITHO WEB PRESS 22

Source Capacity/Throughput:

N/A

INK SOLVENTS



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the total NO_x emission increase due to the operation of the lithographic Press #21 (Source ID: 221), the lithographic Press #22 (Source ID: 222) and the regenerative thermal oxidizer (Source ID: C05) shall not exceed 11.5 tons per year, as a twelve (12) month rolling sum.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the total volatile organic compound (VOC) emissions from the lithographic Press #21 (Source ID: 221) and the lithographic Press #22 (Source ID: 222), including stack and fugitive emissions, shall not exceed 21.0 tons per year, as a twelve (12) month rolling sum.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall limit the aggregate VOC emissions from Presses 1, 4A, 7, 8, 21, and 22 to the federally enforceable emission cap of 999 tons per year or less as a 12-month rolling sum.

Control Device Efficiencies Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The regenerative thermal oxidizer (Source ID: C05) used to control emissions from the lithographic Press 21 (Source ID: 221) and the lithographic Press 22 (Sources ID: 222) shall maintain a minimum VOC destruction efficiency of 98%.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor of the following for the lithographic Press #21 (Source ID: 221) and the lithographic Press #22 (Source ID: 222):

- (a) Daily ink, fountain solution and cleaning solution quantity in gallons and pounds of material as applied per day,

SECTION D. Source Level Requirements

- (b) The materials composition:
- (i) Percent solids by volume
 - (ii) Percent organic solvent by volume
 - (iii) Percent water by volume
 - (iv) Pounds of VOC per gallon minus water
 - (v) Pounds of VOC per pound of material
 - (vi) Density of solvents
- (c) Hours of actual operation per day.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall maintain records of the following for the lithographic Press #21 (Source ID: 221) and the lithographic Press #22 (Source ID: 222):

- (a) Daily ink, fountain solution and cleaning solution quantity in gallons and pounds of material as applied per day,
- (b) The materials composition:
- (i) Percent solids by volume
 - (ii) Percent organic solvent by volume
 - (iii) Percent water by volume
 - (iv) Pounds of VOC per gallon minus water
 - (v) Pounds of VOC per pound of material
 - (vi) Density of solvents
- (c) Hours of actual operation per day

These records shall be maintained on site, in a format approved by the Department and shall be made available upon request.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall use a Department-approved VOC emission tracking system to demonstrate compliance with the VOC emission limit for the lithographic Press #21 (Source ID: 221) and the lithographic Press #22 (Source ID: 222). This recordkeeping format shall generate an estimated summary of actual VOC emission by accounting for the amount, in pounds, of all VOC materials used each day, on a monthly basis.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

SECTION D. Source Level Requirements

The permittee shall ensure that the regenerative thermal oxidizer (Source ID: C03) for the lithographic Press #21 (Source ID: 221) and the lithographic Press #22 (Source ID: 222) shall maintain a minimum capture efficiency of 98.6%.

The captured emissions from the presses shall be directed to the regenerative thermal oxidizer (Source ID: C05) with a minimum destruction efficiency of 98% or 23 ppm (parts per million) VOC as methane. The overall VOC control efficiency shall be maintained at a minimum of 96.6%.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the temperature and retention time of the dryers shall be set and maintained at a temperature to ensure complete dryness of the substrate.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the dryers fan speed is not changed without prior approval of the Department.

VII. ADDITIONAL REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

(a) The two (2) web-fed offset lithographic presses #21 and #22 (Source ID(s): 221 and 22) manufactured by Goss, Model C-700 are equipped with drying units. The drying units are a Thermo Wisconsin TF system rated at 2.4 MMBtu/hr firing natural gas as fuel.

(b) The lithographic Press #21 (Source ID: 221) and the lithographic Press #22 (Source ID: 222) may run as individual 4-unit presses or in tandem as an 8-unit press.

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

SECTION D. Source Level Requirements

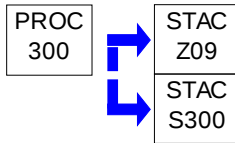
Source ID: 300

Source Name: FLEXOGRAPHIC PLATE MAKING

Source Capacity/Throughput:

2.500 Gal/HR

PETROLEUM HYDROCARBONS

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the VOC emissions from the Flexographic Plate-Making operation (Source ID: 300) as a daily average, when operating.

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

(a) The permittee shall record and calculate the VOC emissions from the Flexographic Plate-Making operation (Source ID: 300) as a daily average, when operating.

(b) The permittee shall maintain monthly records of the VOC emissions from this source.

V. REPORTING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the VOC emissions from Flexographic Plate-Making operation (Source ID: 300) shall be reported with the aggregate VOC emissions from Presses 1, 4, 4A, and 7 as a twelve (12) month rolling sum.

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

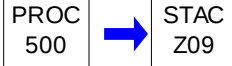
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 500

Source Name: 23 STORAGE TANKS FOR ROTOGRAVURE INKS

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.57]****Storage tanks less than or equal to 40,000 gallons capacity containing VOCs**

Storage tanks shall have pressure relief valves which are maintained in good operating condition and which are set to release at no less than 0.7 psig (4.8 kilopascals) of pressure or 0.3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum. The vapor pressure under actual storage conditions shall be determined using a temperature which is representative of the average storage temperature for the hottest month of the year.

II. TESTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 245.613]

The permittee shall ensure that the maintenance and general operations check of the storage tank system is performed monthly. This check shall include:

- (1) A visual inspection of the tank system for deterioration, including, but not limited to, the tanks piping, ancillary equipment, foundation and safety equipment.
- (2) Monitoring of the leak detection system.
- (3) A check of vents for restrictions.
- (4) An investigation of conditions that may be a fire or safety hazard, or pose an environmental hazard.
- (5) Observation for evidence of a release of regulated substances from the tank system.

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of the types of volatile petroleum liquids stored and the maximum true vapor pressure of the liquid as stored.

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records of the maintenance and general operations check of the storage tank system on a monthly basis. These records shall include:

- (1) Visual inspections of the tank system for deterioration, including, but not limited to, the tanks piping, ancillary equipment, foundation and safety equipment.

SECTION D. Source Level Requirements

- (2) Monitoring of the leak detection system.
- (3) Checks of vents for restrictions.
- (4) Investigations of conditions that may be a fire or safety hazard, or pose an environmental hazard.
- (5) Observations for evidence of a release of regulated substances from the tank system.

V. REPORTING REQUIREMENTS.

005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall ensure that the VOC emissions from the 23 Storage Tanks for Rotogravure Inks (Source ID: 500) shall be reported with the aggregate VOC emissions from Presses 1, 4, 4A, and 7 as a twelve (12) month rolling sum.

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

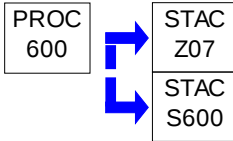
Source ID: 600

Source Name: PARTS WASHERS (5)

Source Capacity/Throughput:

1.800 Lbs/HR

CLEANING SOLVENT



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.512(h) and 129.92.]

The permittee shall ensure that the VOC emissions for the following sources do not exceed:

- (a) Parts Washer Tanks: 1.8 lb/hr and 13.78 tons in any twelve (12) month rolling period;
- (b) Cleaning Solvents: 1.8 tons in any twelve (12) month rolling period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the VOC emissions from the Parts Washers (5) (Source ID: 600) as a daily average, when operating.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall record the VOC emissions from the Parts Washers (5) (Source ID: 600) as a daily average, when operating.
- (b) The permittee shall maintain monthly records of the VOC emissions from these sources.

V. REPORTING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the VOC emissions from the Parts Washer (Source ID: 600) shall be reported with the aggregate VOC emissions from Presses 1, 4, 4A, and 7 as a 12-month rolling sum.

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §129.63]

Degreasing operations

- (a) The permittee shall ensure that all batch-loaded, cold cleaning degreasers, as defined in 25 Pa. Code § 121.1, using non-boiling organic solvent to clean or degrease metal parts, except those that use two (2) gallons or more of solvents

SECTION D. Source Level Requirements

containing greater than 5% VOC content by weight for the cleaning of metal parts, shall:

- (i) Have a freeboard ratio of 0.50 or greater,
- (ii) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (iv). In addition, the label shall include the following discretionary good operating practices:
 - (A) Cleaned parts should be drained at least fifteen (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.
 - (iii) 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 six (6) inches shall constitute an acceptable cover.
- (iv) Shall be operated in accordance with the following procedures:
 - (A) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
 - (B) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
 - (C) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.
 - (D) Air agitated solvent baths may not be used.
 - (E) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.
- (b) 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.
- (c) A person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:
 - (i) The name and address of the solvent supplier.
 - (ii) The type of solvent including the product or vendor identification number.
 - (iii) The vapor pressure of the solvent measured in mm Hg at 20°C (68°F).
- (d) A person who operates a cold cleaning machine shall maintain for at least two (2) years and shall provide to the Department, on request, the information specified in paragraph (c). An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this requirement.
- (e) Paragraph (b) 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 (b) will result in unsafe operating conditions.

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

VII. ADDITIONAL REQUIREMENTS.

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

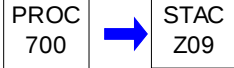
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 700

Source Name: 3 STORAGE TANKS FOR ROTOGRAVURE SOLVENT

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §129.57]

Storage tanks less than or equal to 40,000 gallons capacity containing VOCs

Storage tanks shall have pressure relief valves which are maintained in good operating condition and which are set to release at no less than 0.7 psig (4.8 kilopascals) of pressure or 0.3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum. The vapor pressure under actual storage conditions shall be determined using a temperature which is representative of the average storage temperature for the hottest month of the year.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 245.613]

The permittee shall ensure that the maintenance and general operations check of the storage tank system is performed monthly. The check shall include:

- (1) A visual inspection of the tank system for deterioration, including, but not limited to, the tanks piping, ancillary equipment, foundation and safety equipment.
- (2) Monitoring of the leak detection system.
- (3) A check of vents for restrictions.
- (4) An investigation of conditions that may be a fire or safety hazard, or pose an environmental hazard.
- (5) Observation for evidence of a release of regulated substances from the tank system.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the types of volatile petroleum liquids stored and the maximum true vapor pressure of the liquid as stored.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the maintenance and general operations check of the storage tank system on a monthly basis. These records shall include:

- (1) Visual inspections of the tank system for deterioration, including, but not limited to, the tanks piping, ancillary equipment, foundation and safety equipment.

SECTION D. Source Level Requirements

- (2) Monitoring of the leak detection system.
- (3) Checks of vents for restrictions.
- (4) Investigations of conditions that may be a fire or safety hazard, or pose an environmental hazard.
- (5) Observations for evidence of a release of regulated substances from the tank system.

V. REPORTING REQUIREMENTS.

005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall ensure that the VOC emissions from the 5 Storage Tanks for Rotogravure Solvent (Source ID: 700) shall be reported with the aggregate VOC emissions from Presses 1, 4, 4A and 7 as a twelve (12) month rolling sum.

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

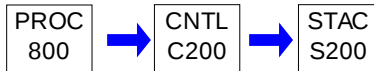
Source ID: 800

Source Name: CHROME PLATING BATHS (1 & 2)

Source Capacity/Throughput:

N/A

CHROMIUM



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall monitor the following operating parameters for the Chrome Plating Baths (Source ID: 800):

- (a) Pressure drop across the spectra mist eliminator, utilizing a differential manometer, or other Department approved methods, once a day when operating;
- (b) Water flow rate to the mist eliminator, utilizing a rotameter, or other Department approved methods, once a day when operating.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 63.340, Subpart N]

The permittee shall visually inspect and document the following once per quarter:

- (a) Ensure there is proper drainage, no chromic acid build up on the pads, and no evidence of chemical attack on the structural integrity of the device.
- (b) Ensure there is no breakthrough of chromic acid mist on the last mesh pad closest to the fan.
- (c) Check integrity of ductwork from tank or tanks to the control device to ensure there are no leaks.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the following operating parameters for the Chrome Plating Baths (Source ID: 800):

- (a) Pressure drop across the spectra mist eliminator, utilizing a differential manometer, or other Department approved methods, once a day when operating;
- (b) Water flow rate to the mist eliminator, utilizing a rotameter, or other Department approved methods, once a day when operating.

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall perform wash down of the composite mesh pads in accordance with the manufacturer's recommendation or as approved by the Department.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

(a) The permittee shall ensure to maintain an operating pressure drop between 2.8 and 4.8 inches (w.g.) across the mist eliminator.

(b) The permittee shall ensure that the water flow rate shall be maintained at 0.5 gallons per minute per square foot for all stages in the demister.

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The Chrome Plating Baths 1 and 2 (Source ID: 800) are two (2) dyetwyler hard chrome electroplating baths which are controlled by a four (4) stage mesh pad mist eliminator followed by a single HEPA filter in series exhausting two (2) chrome demisters sized at 200 cubic feet per minute.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.346]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.

Recordkeeping requirements.

[Additional authority for this permit condition is also derived from §40 CFR 63.340, Subpart N]

As defined in the regulation, the Atglen Plant is a large, hard chromium electroplating facility with a maximum cumulative potential rectifier capacity greater than or equal to sixty (60) million ampere-hours per year.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.346]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.

Recordkeeping requirements.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The affected facility subject to the provisions of this condition shall maintain the following records:

(i) Inspection records for the add-on air pollution control device, if such a device is used, and monitoring equipment, to document that the inspection and maintenance required by the work practice standards of §40 CFR 63.342(f) and §40 CFR 63.342, Table 1 have taken place. The record can take the form of a checklist and should identify the device inspected, the date of inspection, a brief description of the working condition of the device during the inspection, and any actions taken to correct deficiencies found during the inspection;

(ii) Records of all maintenance performed on the affected source, the add-on air pollution control device, and monitoring equipment;

SECTION D. Source Level Requirements

- (iii) Records of the occurrence, duration, and cause (if known) of each malfunction of process, add-on air pollution control, and monitoring equipment;
 - (iv) Records of actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan;
 - (v) Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the operation and maintenance plan required by §40 CFR 63.342(f)(3);
 - (vi) Test reports documenting results of all performance tests;
 - (vii) All measurements as may be necessary to determine the conditions of performance tests, including measurements necessary to determine compliance with the special compliance procedures of §40 CFR 63.344(e);
 - (viii) Records of monitoring data required by §40 CFR § 63.343(c) that are used to demonstrate compliance with the standard including the date and time the data are collected;
 - (ix) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during malfunction of the process, add-on air pollution control, or monitoring equipment;
 - (x) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during periods other than malfunction of the process, add-on air pollution control, or monitoring equipment;
 - (xi) The total process operating time of the affected source during the reporting period;
 - (xii) Records of the actual cumulative rectifier capacity of hard chromium electroplating tanks at the affected facility expended during each month of the reporting period, and the total capacity expended to date for a reporting period, if the affected facility is using the actual cumulative rectifier capacity to determine facility size in accordance with §40 CFR 63.342(c)(2);
 - (xiii) For sources complying with §40 CFR 63.342(e), records of the bath components purchased, with the wetting agent clearly identified as a bath constituent contained in one of the components;
 - (xiv) Any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements, if the source has been granted a waiver under §40 CFR 63.10(f); and
 - (xv) All documentation supporting the notifications and reports required by §§40 CFR 63.9, 63.10, and 63.347.
- (b) All records shall be maintained for a period of five (5) years in accordance with §40 CFR 63.10(b)(1).

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.346]
Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.
Recordkeeping requirements.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall not ensure not to exceed a total chrome outlet concentration of 0.015 milligrams of total chromium per dry standard cubic meter.

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

SECTION D. Source Level Requirements

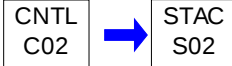
Source ID: C02

Source Name: SOLVENT RECOVERY SYSTEM 2 (SRS2)

Source Capacity/Throughput:

N/A

Natural Gas



I. RESTRICTIONS.

Control Device Efficiencies Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain a VOC control efficiency of 98% or higher for Solvent Recovery System 2 (SRS2) (Source ID: C02).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.3.]

The permittee shall use the following approved periods over which discrete data points for the approved process parameters will be collected and averaged for the purpose of determining an excursion:

(i) A total airflow to Solvent Recovery System 2 (SRS2) (Source ID: C02) not greater than 195,000 scfm at all times, when operating.

(ii) A measured average (mass) recovery efficiency for the month less than 98%.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §§40 CFR 64.6 and 64.3.]

The permittee shall use the following approved means or devices to measure the applicable process parameters:

A continuous emissions monitoring system (CEMS) will be used to measure the VOC concentration at the inlet and outlet and the airflow rate at the inlet of the adsorber system.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §§40 CFR 64.6 and 64.3.]

The permittee shall use the following approved process parameters to obtain data and monitor the emission control equipment performance:

Inlet and outlet analyzers that to are accurate within plus or minus 1% of the full scale per the manufacturer.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.9.]

The permittee shall record all inspections, repair, and maintenance performed on the monitoring equipment.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.9.]

The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 70.6(a)(3)(ii)(B).]

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

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.9.]

The permittee shall record the following approved process parameters using the approved data collecting devices:

(i) VOC inlet and outlet concentrations and inlet airflow rates every five (5) minutes whenever the 4-Color Rotogravure Press 7 (Source ID: 107) is operating.

(ii) VOC concentration and airflow rate rates recorded daily in PLC.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.9.]

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

V. REPORTING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §§40 CFR 64.9 and 70.6(a)(3)(iii)(A).]

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

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.9.]

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.4.]

The permittee shall submit an implementation plan and schedule if the approved monitoring requires the installation, testing or other necessary activities. The schedule for completing installation and beginning operation of the monitoring may not exceed 180 days after the issuance date of the permit.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for the following permit conditions are also derived from §40 CFR 64.3.]

The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the devices.

(i) The permittee shall, for an approved devices, install detectors or sensors at a location approved by the Department for obtaining data that are representative of the monitored indicator.

(ii) The permittee shall develop verification procedures to confirm the operational status of new or modified monitoring equipment prior to commencement of the monitoring process.

(iii) The permittee shall calibrate and check the accuracy of monitoring equipment taking into account the manufacturer's specifications at approved time intervals.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.4.]

(a) The permittee shall ensure that at least 90% of the monitoring data has been properly and accurately collected on a monthly basis.

(b) The permittee shall maintain all monitoring equipment and stock parts necessary for routine repairs onsite.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §§40 CFR 64.3 and 64.6.]

The permittee shall adhere to the following approved ranges for the selected process parameters so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator ranges over a specified averaging period shall be defined as an excursion:

(i) A total airflow to Solvent Recovery System 2 (SRS2) (Source ID: C02) not to exceed 195,000 scfm at any time, when operating.

(ii) A measured average (mass) VOC recovery efficiency less than 98% for the month.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the total airflow to Solvent Recovery System 2 (SRS2) (Source ID: C02) shall not exceed 195,000 scfm at any time, when operating.

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.8.]

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

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.8.]

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

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

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.8.]

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

- (i) For properly and accurately collected data, accumulated excursions exceed 2% of the data.
- (ii) Six (6) excursions occur in a six-month reporting period.
- (iii) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.8.]

In general, the QIP plan should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.9.]

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

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.8.]

In accordance with §40 CFR 64.8, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

SECTION D. Source Level Requirements

- (i) Improved preventive maintenance practices.
- (ii) Process operation changes.
- (iii) Appropriate improvements to control methods.
- (iv) Other steps appropriate to correct performance.

023 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §§40 CFR 64.3 and 64.6.]

The permittee shall use the approved frequency below for monitoring of the applicable process parameters:

- (i) A total airflow to Solvent Recovery System 2 (SRS2) (Source ID: C02) not to exceed 195,000 scfm at any time, when operating.
- (ii) A measured average (mass) VOC recovery efficiency less than 98% for the month.

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

SECTION D. Source Level Requirements

Source ID: C04

Source Name: SOLVENT RECOVERY SYSTEM 3 (SRS4)

Source Capacity/Throughput: 140.000 Lbs/HR VOC

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

The permittee shall maintain a VOC control efficiency of 98% or higher for Solvent Recovery System 3 (SRS3) (Source ID: C04).

II. TESTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is also derived from §40 CFR 64.3.]

The permittee shall use the following approved period over which discrete data points for the approved process parameters will be collected and averaged for the purpose of determining an excursion:

(i) A total airflow to Solvent Recovery System 3 (SRS3) (Source ID: C04) not greater than 130,000 scfm at any time, when operating.

(ii) A measured average (mass) recovery efficiency for the month less than 98%.

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

[Additional authority for this permit condition is also derived from §§40 CFR 64.6 and 64.3.]

The permittee shall use the following approved means or devices to measure the applicable process parameters: a continuous emissions monitoring system (CEMS) will be used to measure the VOC concentration at the inlet and outlet and the negative airflow suction at the inlet of the adsorber system.

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from §§40 CFR 64.6 and 64.3.]

The permittee shall use the following approved process parameters to obtain data and monitor the emission control equipment performance:

Inlet and outlet analyzers that to are accurate within plus or minus 1% of the full scale per the manufacturer.

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

[Additional authority for this permit condition is also derived from §40 CFR 64.9.]

The permittee shall record all inspections, repair, and maintenance performed on the monitoring equipment.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from §40 CFR 64.9.]

SECTION D. Source Level Requirements

The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 70.6(a)(3)(ii)(B).]

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

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.9.]

The permittee shall record the following approved process parameters using the approved data collecting devices:

(i) VOC inlet and outlet concentrations every five (5) minutes and inlet negative suction rates continuously, whenever the gravure presses are operating.

(ii) VOC concentrations and negative suction rates recorded daily in PLC.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.9.]

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

V. REPORTING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §§40 CFR 64.9 and 70.6(a)(3)(iii)(A).]

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

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.9.]

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

VI. WORK PRACTICE REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.4.]

The permittee shall submit an implementation plan and schedule if the approved monitoring requires the installation, testing or other necessary activities. The schedule for completing installation and beginning operation of the monitoring may not exceed 180 days after the issuance date of the permit.

SECTION D. Source Level Requirements

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for the following permit conditions are also derived from §40 CFR 64.3.]

The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the devices.

(i) The permittee shall, for an approved devices, install detectors or sensors at a location approved by the Department for obtaining data that are representative of the monitored indicator.

(ii) The permittee shall develop verification procedures to confirm the operational status of new or modified monitoring equipment prior to commencement of the monitoring process.

(iii) The permittee shall calibrate and check the accuracy of monitoring equipment taking into account the manufacturer's specifications at approved time intervals.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.4.]

(a) The permittee shall ensure that at least 90% of the monitoring data has been properly and accurately collected on a monthly basis.

(b) The permittee shall maintain all monitoring equipment and stock parts necessary for routine repairs onsite

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §§40 CFR 64.3 and 64.6.]

The permittee shall adhere to the following approved ranges for the selected process parameters so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator range over a specified averaging period shall be defined as an excursion:

(i) A total airflow to Solvent Recovery System 3 (SRS3) (Source ID: C04) not to exceed 130,000 scfm at any time, when operating.

(ii) A measured average (mass) VOC recovery efficiency less than 98% for the month.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the total airflow to Solvent Recovery System 3 (SRS3) (Source ID: C04) shall not exceed 130,000 scfm at any time, when operating.

VII. ADDITIONAL REQUIREMENTS.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.8.]

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

SECTION D. Source Level Requirements

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.8.]

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

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

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.8.]

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

- (i) For properly and accurately collected data, accumulated excursions exceed 2% of the data.
- (ii) Six (6) excursions occur in a six-month reporting period.
- (iii) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.8.]

In general, the QIP plan should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.9.]

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

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §40 CFR 64.8.]

In accordance with §40 CFR 64.8, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- (i) Improved preventive maintenance practices.
- (ii) Process operation changes.
- (iii) Appropriate improvements to control methods.
- (iv) Other steps appropriate to correct performance.

SECTION D. Source Level Requirements

023 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from §§40 CFR 64.3 and 64.6.]

The permittee shall use the approved frequency below for monitoring of the applicable process parameters:

- (i) A total airflow to Solvent Recovery System 3 (SRS3) (Source ID: C04) not to exceed 130,000 scfm at any time, when operating.
- (ii) A measured average (mass) VOC recovery efficiency less than 98% for the month.

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

SECTION D. Source Level Requirements

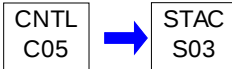
Source ID: C05

Source Name: REGENERATIVE THERMAL OXIDIZER

Source Capacity/Throughput:

N/A

Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the volatile organic compound (VOC) emissions from the regenerative thermal oxidizer (Source ID: C05) shall not exceed 7.57 pounds per hour at the outlet.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that nitrogen oxide (NO_x) emissions from the regenerative thermal oxidizer (Source ID: C05) shall not exceed 1.78 tons per year, as a twelve (12) month rolling sum.

Control Device Efficiencies Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the regenerative thermal oxidizer (Source ID: C05), manufactured by MEGTEC, model CleanSwitch 250-96, shall achieve a minimum 99 percent, by weight, VOC destruction efficiency in the gas stream.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall perform a VOC emission source test on the offset lithographic presses (Source ID(s): 221 and 222) and the regenerative thermal oxidizer control device (Source ID: C05) in accordance with the provisions of Chapter 139 of the rules and regulations. The stack test shall be performed while the sources are operating at maximum rated design capacity conditions. The test shall be conducted at the inlet and outlet of the thermal oxidizer to demonstrate compliance with the 98% VOC destruction efficiency and the VOC and NO_x emission limits. The maximum hourly emission rates from the thermal oxidizer shall be determined during this compliance stack test.

(b) At least sixty (60) days prior to the test, the company shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure collection of representative samples. A test protocol shall be approved by the Source Testing Section of the Department prior to testing.

(c) The tests shall be performed with sixty (60) days from protocol approval. At least thirty (30) days prior to the test, the Regional Air Pollution Control Engineer shall be informed of the date and time of the test.

(d) Within thirty (30) days after the source test, two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(e) The permittee shall demonstrate the capture efficiency (CE) of the sources through a test method approved by the Department.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the combustion chamber temperature of the regenerative thermal oxidizer (Source ID:C05), on a continuous basis, when operating.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the combustion chamber temperature of the regenerative thermal oxidizer (Source ID: C05), on a continuous basis, when operating.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) In order to ensure the integrity of the control device, the permittee shall maintain records of any preventive, corrective or routine maintenance on this thermal oxidizer.

(b) The permittee shall submit the proposed format for these records to the Department for approval.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the regenerative thermal oxidizer (Source ID: C05) has reached a minimum operating temperature of 1,400°F prior to placing any affected source on line.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that a minimum temperature of 1,400°F shall be maintained at the outlet of the regenerative thermal oxidizer combustion chamber.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall ensure that the regenerative thermal oxidizer (Source ID: C05) shall be operated and maintained in accordance with good air pollution control practices.

(b) The regenerative thermal oxidizer manufacturer's specifications for maintenance and operation shall be made available to the Department upon request.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the fan speed to the regenerative thermal oxidizer (Source ID: C05) shall not exceed 25,000 standard cubic feet per minute (scfm).

VII. ADDITIONAL REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the regenerative thermal oxidizer (Source ID: C05) shall be equipped with a Department-approved temperature monitoring device to indicate and record the combustion chamber temperature on a continuous basis.



SECTION D. Source Level Requirements

*** Permit Shield in Effect. ***



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION F. Emission Restriction Summary.

Source Id	Source Description		
031	BOILER 1		
Emission Limit			Pollutant
0.143	Lbs/MMBTU		NOX
15.780	Tons/Yr	12-month rolling sum	NOX
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU	particulate matter	TSP
032A	BOILER 2A (LOW NOX)		
Emission Limit			Pollutant
400.000	PPMV	@3% O2	CO
30.000	PPMV	@ 3% for natural gas	NOX
90.000	PPMV	@ 3% for No. 2 oil	NOX
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU	particulate matter	TSP
034	BOILER 4		
Emission Limit			Pollutant
0.143	Lbs/MMBTU		NOX
18.410	Tons/Yr	12-month rolling sum	NOX
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU	particulate matter	TSP
035	BOILER 5 (LOW NOX)		
Emission Limit			Pollutant
400.000	PPMV	@3% O2	CO
15.770	Tons/Yr	12-month rolling sum	NOX
30.000	PPMV	@ 3% O2 for natural gas	NOX
90.000	PPMV	@3% O2 for No. 2 oil	NOX
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU	particulate matter	TSP
036	BOILER 6		
Emission Limit			Pollutant
300.000	PPMV	@3% O2, dry basis	CO
30.000	PPMV	@3% O2, dry basis	NOX
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU	particulate matter	TSP
037	BOILER 7		
Emission Limit			Pollutant
300.000	PPMV	@3% O2, dry basis	CO
30.000	PPMV	@3% O2, dry basis	NOX
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU	particulate matter	TSP

SECTION F. Emission Restriction Summary.

Source Id	Source Description		
101	ROTOGRAVURE PRESS 1		
Emission Limit		Pollutant	
999.000	Tons/Yr	Aggregate 12-month rolling basis for Presses 1, 4A, 7, 21 & 22	VOC
104A	ROTOGRAVURE PRESS 4A		
Emission Limit		Pollutant	
999.000	Tons/Yr	Aggregate 12-month rolling basis for Presses 1, 4A, 7, 21 & 22	VOC
107	4-COLOR ROTOGRAVURE PRESS 7		
Emission Limit		Pollutant	
43.000	Lbs/Hr	Maximum Peak Hourly Rate	VOC
150.000	Tons/Yr	12-month rolling sum	VOC
999.000	Tons/Yr	Aggregate 12-month rolling sum for Presses 1-4A, 21, 22 & 7	VOC
221	4-COLOR HEATSET OFFSET LITHO WEB PRESS 21		
Emission Limit		Pollutant	
11.500	Tons/Yr	12-month rolling sum	NOX
21.000	Tons/Yr	Net Facility Emission Increase	VOC
999.000	Tons/Yr	Aggregate 12-month rolling basis for Presses 1, 4A, 7, 21 & 22.	VOC
222	4-COLOR HEATSET OFFSET LITHO WEB PRESS 22		
Emission Limit		Pollutant	
11.500	Tons/Yr	12-month rolling sum	NOX
21.000	Tons/Yr	Net Facility Emission Increase	VOC
999.000	Tons/Yr	Aggregate 12-month rolling basis for Presses 1, 4A, 7, 21 & 22.	VOC
600	PARTS WASHERS (5)		
Emission Limit		Pollutant	
1.800	Lbs/Hr	Parts Washer Tanks	VOC
1.800	Tons/Yr	Cleaning Solvents	VOC
13.780	Tons/Yr	Parts Washer Tanks	VOC
C05	REGENERATIVE THERMAL OXIDIZER		
Emission Limit		Pollutant	
1.780	Tons/Yr	12-month rolling sum	NOX
7.570	Lbs/Hr		VOC

Site Emission Restriction Summary

Emission Limit		Pollutant
999.000	Tons/Yr	total emissions from all presses
		VOC



SECTION F. Emission Restriction Summary.

SECTION G. Miscellaneous.

- (a) The Dept. has determined that the emissions from the following activities, excluding those indicated as site level requirements in Section C, of this permit, do not require additional limitations, monitoring or recordkeeping requirements.
- (i) Cylinder Correction Stands (3) - Source ID: 400 - using a non-VOC solvent (i.e., acetone)
 - (ii) CFC Sources (9) - containing greater than 50 pounds of refrigerant. The following equipment is included in this source category:
 - (1) Chiller #1
 - (2) Chiller #2
 - (3) Spot Cooling System
 - (4) Ink Chiller System
 - (5) Calfran
 - (6) Prepress Liebert
 - (7) Cyrel Plate-making
 - (8) Front office air conditioning system
 - (9) Computer Room air conditioning system
- (b) Two (2) ink jet printing lines on a bindery lines for mailing labels have total twelve (12) heads and VOC emissions are below one (1) tpy.
- (c) Aircom trim cyclone collector collects paper trim and does not vent to atmosphere.
- (d) The 175-Hp diesel fuel pump only used in emergency situations for the sprinkler fire suppression system.
- (e) One (1) 175 Hp emergency generator is located in a plant for emergency power during power loss.
- (f) VOC emissions from sources 300, 500, 600, 700 and 800 are included and reported with the Presses 1, 4, and 4A.
- (g) This administratively amended Title V Operating Permit No. 15-00002 (APS No.: 345204, Auth ID: 508855) incorporates conditions from Plan Approvals PA-15-0002A (Publication Rotogravure Presses), PA-15-0002B (2 Heatset Web Offset Presses) and the General Plan Approval and General Operating Permit (BAQ-GPA/GP-1) No. 15-302-091GP for the operation of a 350-Hp boiler.
- (h) The data listed in Section A (Site inventory List) for the capacity/throughput and fuel/material, the source capacity descriptions, and permit maps in Section D (Source Level Title V Requirements) are for descriptive purposes and are not considered as maximum source capacities or design limitations or enforceable conditions. Source emission limits are indicated in the text conditions in Sections D and F (Emission Restriction Summary) and are listed in Section G (Miscellaneous) of this Title V Operating Permit.
- (i) This Title V Operating Permit No. 15-000002 (APS No.: 345204, Auth ID: 638158) has been renewed.
- (j) The Dept. has changed the deviation and compliance certification reporting requirements. The report period required in Section C, VIII. Compliance Certification, shall be for the period from January 1st through December 31st of the previous year.
- (k) This Title V Operating Permit No. 15-000002 (APS No.: 705577, AUTH ID: 811182) has been amended to incorporate a Change of Ownership to World Color (USA), LLC d/b/a Worldcolor Atglen and a change to the name of the Permit Contact.
- (l) This Title V Operating Permit No. 15-00002 (APS No.: 753957, AUTH ID: 886100) has been amended to incorporate a name change to the facility (QG, LLC).
- (m) This Title V Operating Permit No. 15-00002 (APS No.: 753957, AUTH ID: 914632) has been renewed.

[Note: The new Solvent Recovery System, SRS4 (Source ID: C04), in conjunction with the existing Solvent Recovery System SRS2 (Source ID: C02), are the pollution control systems for the enclosed and unenclosed rotogravure printing presses at the facility. The permittee is required to comply with the conditions for these control devices contained in the previously-issued Plan Approval No. 15-0002G.]

SECTION G. Miscellaneous.

[Note: The new Regenerative Thermal Oxidizer (Source ID: C05) is the pollution control system for the existing lithographic printing presses No. 21 and 22 (Source ID(s): 221 and 222). The permittee is required to comply with the conditions for these sources and control device in the previously-issued Plan Approval No. 15-002G.]

(n) This Title V Operating Permit No. 15-00002 (APS No.: 753957, AUTH ID: 968237) has been modified to incorporate the regulatory requirements of §40 CFR 63, Subpart DDDDD.

(o) This Title V Operating Permit No. 15-00002 (APS No.: 753957, AUTH ID: 1093384) has been administratively amended to incorporate the sources and conditions for GP1-15-0100 and GP1-15-0101.



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