



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: August 15, 2003

Effective Date: September 1, 2003

Expiration Date: August 31, 2008

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

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 09-00025

Synthetic Minor

Federal Tax Id - Plant Code: 23-0518020-1

Owner Information

Name: DELBAR PROD INC

Mailing Address: 7TH & SPRUCE STS
PERKASIE, PA 18944

Plant Information

Plant: DELBAR PROD INC/PERKASIE

Location: 09 Bucks County 09810 Perkasio Borough
SIC Code: 3479 Manufacturing - Metal Coating And Allied Services

Responsible Official

Name: CRAIG W BENFIELD

Title: ENVIRONMENTAL SAFETY & CO

Phone: (215) 257 - 6892

Permit Contact Person

Name: CRAIG W BENFIELD

Title: ENVIRONMENTAL SAFETY & CO

Phone: (215) 257 - 6892

[Signature] _____

FRANCINE B CARLINI, SOUTHEAST REGION AIR PROGRAM MANAGER



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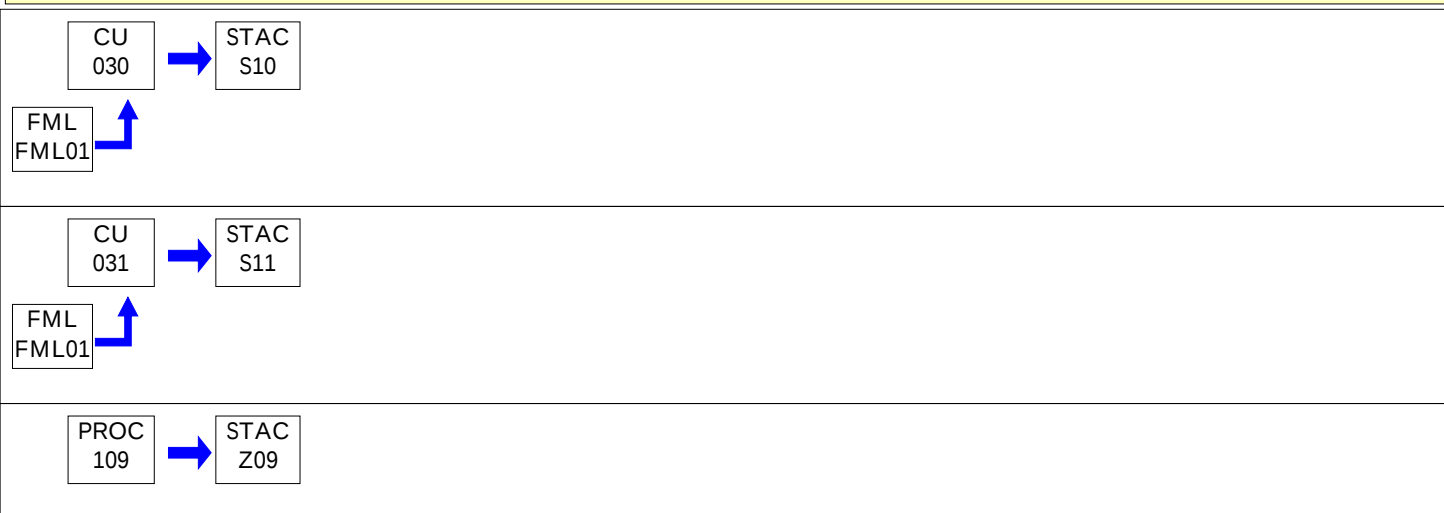
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
030	BOILER #1	4.20 MMBTU / HR	
		4.20 MCF / HR	Natural Gas
031	BOILER #2	8.40 MMBTU / HR	
		8.38 MCF / HR	Natural Gas
109	VAPOR DEGREASER	40.00 Lbs / HR	SOLVENT
FML01	NAT GAS PIPELINE		
S10	BOILER # 1 STACK		
S11	BOILER # 2 STACK		
Z09	DEGREASER FUGITIVES		

PERMIT MAPS



SECTION B. General State Only Requirements

#001 [25 Pa. Code § 121.1]

Definitions.

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

#002 [25 Pa. Code § 127.446]

Operating Permit Duration.

(a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.

(b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

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

Permit Renewal.

(a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.

(b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

(c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).

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

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

(d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.

(e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).

(f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]

Operating Permit Fees under Subchapter I.

(a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):

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

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

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension, modification, revision, renewal, and re-issuance of each operating permit or part thereof.

SECTION B. General State Only Requirements

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

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

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

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

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

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

Transfer of Operating Permits.

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

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

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

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

Inspection and Entry.

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

(1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

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

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

Compliance Requirements.

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

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

SECTION B. General State Only Requirements

(3) Denial of a permit renewal application

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

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]

Need to Halt or Reduce Activity Not a Defense.

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

#009 [25 Pa. Code §§ 127.442(a) & 127.461]

Duty to Provide Information.

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

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

#010 [25 Pa. Code § 127.461]

Revising an Operating Permit for Cause.

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

(a) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.

(b) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

(c) The permittee has failed to submit a report required by the operating permit or an applicable regulation.

(d) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450 & 127.462]

Operating Permit Modifications

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

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

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

SECTION B. General State Only Requirements

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

#012 [25 Pa. Code § 127.441]

Severability Clause.

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

#013 [25 Pa. Code § 127.449]

De Minimis Emission Increases.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SECTION B. General State Only Requirements

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

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

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

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

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

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

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

(g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

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

#014 [25 Pa. Code § 127.3]

Operational Flexibility.

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

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

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

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

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

#015 [25 Pa. Code § 127.11]

Reactivation

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

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

SECTION B. General State Only Requirements

127.11a(b).

#016 [25 Pa. Code § 127.36]

Health Risk-based Emission Standards and Operating Practice Requirements.

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

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

#017 [25 Pa. Code § 121.9]

Circumvention.

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

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

Reporting Requirements.

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

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

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

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

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

(e) Any records, reports or information submitted to the Department shall be available to the public except for such records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]

Sampling, Testing and Monitoring Procedures.

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

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

SECTION B. General State Only Requirements

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

Recordkeeping.

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

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

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

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

#021 [25 Pa. Code § 127.441(a)]

Property Rights.

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

#022 [25 Pa. Code § 127.447]

Alternative Operating Scenarios.

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

SECTION 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) Sources, and classes of sources, other than those identified in (a) - (d) 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 controls, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution; and
 - (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, 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 such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

005 [25 Pa. Code §123.41]

Limitations

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

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

006 [25 Pa. Code §123.42]

Exceptions

The limitations of Condition #005, of this Section, shall not apply to a visible emission in either of the following instances:

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

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions from this facility shall be less than 25 tons in any 12 consecutive month period.

008 [25 Pa. Code §129.14]

Open burning operations

No person may 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.

SECTION C. Site Level Requirements

II. TESTING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source(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 permit 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.

Operations personnel shall monitor, the following, at least once per day, when operating:

- (a) Odors that the Department may consider to be malodors.
- (b) Fugitive particulate emissions.
- (c) Visible emissions.

Any exceedances shall be reported to the Environmental Manager and appropriate corrective action shall be taken.

IV. RECORDKEEPING REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record, at a minimum, the following information relating to the reports of malodors, and /or exceedances of any visible emissions, and /or fugitive particulate emissions report:

- (a) Date, time, and location of incident(s).
- (b) Results of investigation.
- (c) Any corrective action taken.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate the VOC emissions from all the sources at the facility each month, and aggregate them for use in demonstrating compliance with the 12 consecutive month VOC emission limit.

V. REPORTING REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall, within two (2) hours of any occurrence, notify the Department, at (610) 832-6242, 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 incident, describing, at a minimum, the malfunction(s), emission(s), duration, and corrective action(s) taken.

SECTION C. Site Level Requirements

(d) 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.

015 [25 Pa. Code §135.3]

Reporting

The permittee, who has been previously advised by the Department to submit a source report, shall submit by March 1, of each year, a source report for the preceding calendar year.

The permittee 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.

VI. WORK PRACTICE REQUIREMENTS.

016 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

A person responsible for any source specified in Condition #002, of this Section, 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, 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, water, or suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the sources, listed in Section A, of this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturers specifications.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall immediately implement measures, which may include the installation of 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.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee may not modify any source identified in Section A, of this permit, prior to obtaining Department approval, except those modifications authorized by Condition #013(g), of Section B, of this permit.
- (b) If an unauthorized modification of any source occurs at this facility, then this permit may be suspended and the source(s) shall not be operated.

VII. ADDITIONAL REQUIREMENTS.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following previously issued plan approval and operating permit serve as the basis for certain terms and conditions set forth in this Title V Permit:

09-323-001

OP-09-0025 RACT



SECTION C. Site Level Requirements

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: 030

Source Name: BOILER #1

Source Capacity / Throughput:

4.20 MMBTU / HR

4.20 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 source in excess of 0.4 lbs / MMBtu 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 this source, in excess of 1.2 lbs / MMBtu of heat input, pursuant to 25 Pa. Code § 123.22 (e)(1).

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use only natural gas as fuel for this boiler.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor, using a Department approved method, the amount of natural gas consumed by this boiler monthly.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the amount of natural gas consumed by this boiler monthly.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain this boiler in accordance with manufacturers specifications.



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 031

Source Name: BOILER #2

Source Capacity / Throughput:

8.40 MMBTU / HR

8.38 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 source in excess of 0.4 lbs / MMBtu 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 this source, in excess of 1.2 lbs / MMBtu of heat input, pursuant to 25 Pa. Code § 123.22 (e)(1).

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use only natural gas as fuel for this boiler.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor, using a Department approved method, the amount of natural gas consumed by this boiler monthly.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the amount of natural gas consumed by this boiler monthly.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain this boiler in accordance with manufacturers specifications.



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

Source ID: 109

Source Name: VAPOR DEGREASER

Source Capacity / Throughput:

40.00 Lbs/HR

SOLVENT

PROC
109STAC
Z09**I. RESTRICTIONS.****Operation Hours Restriction(s).**

001 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The operating hours for this vapor degreaser shall not exceed 1728 hours in any 12 consecutive month period.

Throughput 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 § 129.91.]

The degreasing solvent in this degreaser is limited to Trichloroethylene (TCE) only. Any change in the use of solvent shall have prior approval of the Department.

Control Device Efficiencies Restriction(s).

003 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 40 CFR 63, Subpart T.]

The permittee shall comply with the National Emission Standards for Halogenated Solvent Cleaning, as defined in 40 CFR 63, Subpart T, through the use of either of the following:

(a) Control combinations, listed below:

- (1) Freeboard ratio of 1.0, or greater.
- (2) Freeboard refrigeration device.
- (3) Reduced room draft, or,

(b) Through the demonstration and maintenance of an idling limit equal to, or less than, 0.22 kg/hr/square meter (0.045 lbs/hr/square foot) of solvent/air interface area.

004 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 40 CFR 63, Subpart T.]

The air flow, as measured across the freeboard area, or inside the machine, shall not exceed 50 ft/min (15.2 m/min).

005 [25 Pa. Code §129.63]

[Degreasing operations](#)

[Additional authority for this permit condition is also derived from 40 CFR 63, Subpart T.]

(a) The vapor degreaser shall be equipped with the following:

- (1) A cover that can be opened and closed easily without disturbing the vapor zone.
- (2) A safety switch which shuts off the sump heat if condenser coolant is either not circulating or too warm -- condenser flow switch and thermostat.
- (3) A safety switch which shuts off the spray pump if the vapor level drops more than four inches, or to the heater coils, whichever is less.
- (4) A vapor level control device which shuts off the sump heat if the vapor level rises above the height of the primary condenser.
- (5) A permanent, conspicuous label summarizing the operating requirements.

**SECTION D. Source Level Requirements**

- (b) The following control devices shall be in use when operating this degreaser:
- (1) Freeboard ratio greater than or equal to 0.75 and a tight-fitting powered cover.
 - (2) Refrigerated chiller or primary condenser.

II. TESTING REQUIREMENTS.

006 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 40 CFR 63, Subpart T.]

The permittee shall test the freeboard refrigeration device weekly, when operating, using a thermometer or thermocouple, to ensure compliance with the maximum air blanket temperature of 56.7°F. The temperature shall be measured in the center of the air blanket while the machine is idling.

007 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 40 CFR 63, Subpart T.]

The permittee shall test for reduced room draft across the freeboard area or inside the machine to demonstrate compliance with the air flow limit, as stated in Condition #004, for this degreaser.

The wind speed shall be measured with an air velocity meter on each of the four corners of the degreaser, at a height of not more than six (6) inches above the freeboard area.

Maximum values at each corner and an average value from all four corners shall be recorded.

III. MONITORING REQUIREMENTS.

008 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 40 CFR 63, Subpart T.]

The permittee shall monitor the following, at the prescribed intervals:

- (a) Air blanket temperature while idling - weekly, when operating.
- (b) Parameters to reduce room draft shall be monitored weekly, when operating, and actual measurement of the wind speed shall be performed quarterly, when operating.
- (c) TCE additions - weekly, when operating.
- (d) Operating hours - weekly, when operating.

IV. RECORDKEEPING REQUIREMENTS.

009 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall record the operating hours for this vapor degreaser weekly to demonstrate compliance with the 1728 hours in any 12 consecutive month operational limit.

010 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 40 CFR 63, Subpart T.]

The permittee shall record the following, at the prescribed intervals:

- (a) Air blanket temperature - weekly, when operating.
- (b) Parameters to reduce room draft shall be recorded weekly, when operating, and actual measurement of the wind speed shall be done quarterly, when operating.
- (c) The amount of TCE added, and any tank changeouts - weekly, when operating.

SECTION D. Source Level Requirements

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR 63, Subpart T.]

The following records shall be retained for the lifetime of this degreaser:

- (a) Maintenance and operation of this degreaser and associated controls.
- (b) The date of installation. If the exact date is not known, a letter certifying installation before 11-29-1993 may be substituted.
- (c) Initial performance test, if complying with the idling emission limits, including idling emission rate and the values of the monitoring parameters measured during the test.
- (d) Records of the halogenated HAP solvent content for each solvent used.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR 63, Subpart T.]

The following records, for this degreaser, shall be retained for a period of at least five (5) years:

- (a) All results of the control device monitoring.
- (b) Replacement parts and repairs.
- (c) Estimates of annual solvent consumption.
- (d) The date, amount, and type of solvent added to the degreaser.
- (e) The composition of solvent wastes removed.
- (f) Calculations for the monthly and 3-month rolling average emissions.

V. REPORTING REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR 63, Subpart T.]

The permittee shall submit annual reports from the previous calendar year (January through December) to the EPA concerning the amount of degreaser usage. These reports are due February 1, of the following year, and shall include the following information for control combinations and idling emissions:

- (a) A signed statement from a company official (owner or his designee) certifying that degreaser operators have been properly trained, and can pass a written exam on its operation and respective control devices.
- (b) An estimate of the annual solvent consumption for this degreaser during the reporting period.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR 63, Subpart T.]

The permittee shall submit an exceedance report for this degreaser to the EPA Administrator on a semi-annual basis. The EPA has discretion to require more frequent reporting as necessary. These reports shall cover the calendar periods ending June, and December, of each year, and shall be post marked within thirty (30) days of the end of the reporting period, and shall state the following items:

- (a) Actions taken to maintain compliance.
- (b) Exceedances and the associated corrective action.

VI. WORK PRACTICE REQUIREMENTS.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR 63, Subpart T.]

The permittee shall operate and maintain this degreaser in accordance with manufacturer's recommendations, and good

**SECTION D. Source Level Requirements**

operation and maintenance practices.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR 63, subpart T.]

The permittee shall adhere to the following work practice standards:

- (a) The solvent level shall not exceed the fill line.
- (b) Sponges, wood, fabric, and paper produces shall not be cleaned.
- (c) The operating conditions under which the wind speed was demonstrated to be less than 15.2 m/s (50 ft/s) shall be maintained.
- (d) Threaded or leakproof couplings shall be used when adding or draining solvent from this degreaser, and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface.
- (e) On startup, the primary condenser shall be turned on before the sump heater.
- (f) On shutdown, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off.
- (g) The parts basket, or parts being cleaned, shall not occupy more than 50 percent of the solvent / air interface area unless the parts are introduced at a speed of 0.9 meters / minute (3.0 ft/sec) or less.

017 [25 Pa. Code §129.63]

Degreasing operations

[Additional authority for this permit condition is also derived from 40 CFR 63, Subpart T.]

The permittee shall adhere to the following standards while operating this open-top vapor degreaser:

- (a) Keep cover closed at all times except when processing work loads through the degreaser.
- (b) Minimize solvent carry-out by:
 - (1) Racking all parts to allow full drainage.
 - (2) Utilizing an automated parts handling system which operates at less than 11 feet per minute (3.4 meters per minute).
 - (3) Degreasing the workload in the vapor zone at least 30 seconds or until condensation ceases.
 - (4) Tipping out any pools of solvent on the cleaned parts before removal.
 - (5) Allowing parts to dry within the degreaser for at least 15 seconds or until dripping has stopped, whichever is longer.
- (c) Work loads should not occupy more than half of the open top area of degreaser.
- (d) Do not dispose of waste solvent or transfer it to another party such that greater than 20% of the waste by weight will evaporate into the atmosphere.
- (e) Waste solvent shall be collected and stored only in closed containers.
- (f) Exhaust ventilation should not exceed 65 cfm / square foot of degreaser open area, unless necessary to meet OSHA requirements. Ventilation fans should not be used near the degreaser opening.

018 [25 Pa. Code §129.63]

Degreasing operations

[Additional authority for this permit condition is also derived from 40 CFR 63, Subpart T.]

This vapor degreaser and its refrigerated chiller shall be maintained and operated in accordance with the manufacturer's specifications and the Rules and Regulations of 25 Pa. Code Section 129.63(b).

VII. ADDITIONAL REQUIREMENTS.

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



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION F. Emission Restriction Summary.**

Dep Id	Source Description
030	BOILER #1
031	BOILER #2

Emission Limit			Pollutant
0.400	Lbs / MMCF	Particulate Matter	P000
1.200	Lbs / MMBTU		SOX

Emission Limit			Pollutant
0.400	Lbs / MMCF	Particulate Matter	P000
1.200	Lbs / MMBTU		SOX

Site Emission Restriction Summary

Emission Limit	Pollutant
25.000 Tons / Yr	VOC

**SECTION G. Miscellaneous.**

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

- Metal Grinding.
- Mixing operations.
- Degreaser solvent storage tank.
- Coating storage room.

(b) This permit has been amended. The amendment addresses the replacement of the afterburner (Control Device ID: C07), which is on the Bake-Off Oven (Source ID: 112) and controls VOC emissions.

Monitoring requirements and work practice standards for Source ID: 112 have also been amended.

(c) July 2003, APS - 346622, AUTH ID - 516574. The Department issued a State Only permit to replace the previous Title V permit. The following sources and their associated control devices have been removed from the facility:

- four (4) enamel spray booths - Source e101
- two (2) paint curing ovens - Source 103
- two (2) primer spray booths - Source 107
- equipment cleanup - Source 110
- dry-off oven - Source 111
- bake-off oven / afterburner - Source 112



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