



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: February 25, 2008

Effective Date: February 25, 2008

Expiration Date: February 25, 2013

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

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

State Only Permit No: 46-00155

Synthetic Minor

Federal Tax Id - Plant Code: 34-1524431-1

Owner Information

Name: SERMATECH INTL INC

Mailing Address: 159 S LIMERICK RD
ROYERSFORD, PA 19468

Plant Information

Plant: SERMATECH INTL INC/LIMERICK

Location: 46 Montgomery County 46932 Limerick Township

SIC Code: 3479 Manufacturing - Metal Coating And Allied Services

Responsible Official

Name: JOHN MCGOUGH

Title: VICE PRESIDENT OF HR/EHS

Phone: (610) 819 - 1280

Permit Contact Person

Name: MARY DUFF

Title: ENV HEALTH & SAFETY MGR

Phone: (860) 533 - 4862

[Signature] _____

FRANCINE B CARLINI, SOUTHEAST REGION AIR PROGRAM MANAGER



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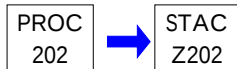
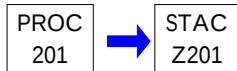
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	PAINT SPRAY BOOTH #2	N / A	COATINGS
102	BINDER MIX TANK		
103	PAINT SPRAY BOOTH #1 (4-CHAMBER BOOTH)	N / A	COATINGS
201	BATCH VAPOR DEGREASER	N / A	TECHTRIDE NPB (N-PROI
202	COLD PARTS CLEANER	N / A	SOLVENT NAPHTHA
C101A	PAINT SPRAY BOOTH #2 POLYFIBER FILTERS		
C101B	PAINT SPRAY BOOTH #2 ACTIVATED CARBON / ZEOLITE FILTERS		
C102	BINDER MIX TANK WET SCRUBBER / MIST ELIMINATOR		
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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.

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(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.

(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.

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#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
- (3) Denial of a permit renewal application

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

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

#008 [25 Pa. Code § 127.441]

Need to Halt or Reduce Activity Not a Defense.

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

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

Duty to Provide Information.

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

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

#010 [25 Pa. Code § 127.461]

Revising an Operating Permit for Cause.

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

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

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

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

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

Operating Permit Modifications

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

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

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

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

#012 [25 Pa. Code § 127.441]

Severability Clause.

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

#013 [25 Pa. Code § 127.449]

De Minimis Emission Increases.

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

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

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

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

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

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

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

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

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air

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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.

(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

SECTION B. General State Only Requirements

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 § 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.

SECTION B. General State Only Requirements

(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.

#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

**SECTION B. General State Only Requirements**

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) Stockpiling of materials.
- (f) Open burning operations, as specified in Condition # 009(a) - (e), Section C, of this permit.
- (g) Sources and classes of sources other than those identified in (a) - (f), above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive air contaminant emissions from the source, after appropriate control, meet the following requirements:

(1) The emissions are of minor significance with respect to causing air pollution.

(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

No person may permit fugitive particulate matter (PM) to be emitted into the outdoor atmosphere from a source specified in Condition # 002(a) - (g), Section C, of this permit, if such emissions are visible at the point the emissions pass outside the person's property.

004 [25 Pa. Code §123.31]

Limitations

No person may 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

No person may 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 (3) 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 indicated in Condition # 005, Section C, of this permit, shall not apply to a visible air contaminant emission in either of the following instances:

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

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of volatile organic compounds (VOCs) from this facility occurs in such a manner that the rate of the emission does not exceed 18.4 tons/yr, calculated monthly as a twelve (12)-month rolling sum.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of hazardous air pollutants (HAPs) from this facility occurs in such a manner that the rates of the emission are both of the following:

- (a) Less than 10 tons/yr for any individual HAP, calculated monthly as a 12-month rolling sum.
- (b) Less than 25 tons/yr for the aggregate of HAPs, calculated monthly as a 12-month rolling sum.

009 [25 Pa. Code §129.14]

Open burning operations

No person may permit the open burning of material except the following:

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

II. TESTING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Sections A or G, 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

SECTION C. Site Level Requirements

testing is required.

III. MONITORING REQUIREMENTS.

011 [25 Pa. Code §123.43]

Measuring techniques

Visible air contaminant emissions may be measured using either of the following:

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

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (1) Odors, which the Department may determine to be objectionable.
- (2) Visible air contaminant emissions.
- (3) Fugitive air contaminant emissions.

(b) All detectable objectionable odors that originate on-site and cross the property line, as well as visible and/or fugitive air contaminant emissions that originate on-site, shall:

- (1) Be investigated.
- (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 6 months, upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly for the next 6-month period.

(d) After 6 months of weekly monitoring, 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 complaints, monitoring results, and/or Department findings.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following emissions from the facility on a monthly and 12-month rolling basis, calculated using Department-approved methods:

- (a) The total VOC emissions.
- (b) The total emissions of each individual HAP.
- (c) The total (aggregate) HAP emissions.

SECTION C. Site Level Requirements**IV. RECORDKEEPING REQUIREMENTS.**

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain records of all monitoring required in Condition # 012(a)(1) - (3), Section C, of this permit, including deviations from the conditions found in Section C, of this permit. The record of deviations shall contain, at a minimum, the following items for each incident:

- (1) A description of the deviation.
- (2) The source(s) and/or associated air pollution control device(s) and location(s).
- (3) The starting and ending date(s) and times.
- (4) The cause(s).
- (5) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

(b) The monitoring shall be recorded and maintained in a Department-approved format and time frame.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All records, reports, and analysis results generated in compliance with the requirements of any section of this permit shall be maintained in accordance with Condition # 020(b), Section B, of this permit, and shall be made available to the Department upon written or verbal request within a reasonable time.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following emissions from the facility on a monthly and 12-month rolling basis, calculated using Department-approved methods:

- (a) The total VOC emissions.
- (b) The total emissions of each individual HAP.
- (c) The total (aggregate) HAP emissions.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of all of the facility's emission increases, including the following types:

- (a) De minimis emission increases without notification to the Department.
- (b) De minimis emission increases with notification to the Department, via letter.
- (c) Emission increases resulting from a Request for Determination of Changes of Minor Significance and Exemption from Plan Approval/Operating Permit (RFD) to the Department.
- (d) Emission increases resulting from the issuance of a plan approval and subsequent operating permit.

018 [25 Pa. Code §135.5]

Recordkeeping

The permittee shall maintain and make available, upon request by the Department, records, including computerized

SECTION C. Site Level Requirements

records, that may be necessary to comply with Condition # 022, Section C, of this permit. 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.

V. REPORTING REQUIREMENTS.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(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 C.F.R. 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 C.F.R. Part 68, and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act when a regulated substance listed in 40 C.F.R. § 68.130 is present in a process in more than the threshold quantity at a facility. The permittee shall submit the RMP to the EPA 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 in 40 C.F.R. § 68.130.

(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 C.F.R. § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 C.F.R. 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 C.F.R. § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances, or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If this facility is subject to 40 C.F.R. Part 68, as part of the certification required under this permit, the permittee shall perform the following:

(1) Submit a compliance schedule for satisfying the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. § 68.10(a).

(2) Certify that this facility is in compliance with all requirements of 40 C.F.R. Part 68 including the registration and submission of the RMP.

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

(f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and

**SECTION C. Site Level Requirements**

40 C.F.R. Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 C.F.R. Part 68.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall, within two (2) hours of discovery of any occurrence, notify the Department, at (484) 250-5920, of any malfunction(s) of a source(s) and/or associated air pollution control device(s) listed in Sections A or G, 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 established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Article III.

(b) Any malfunction(s) that occurs at this facility, and poses an imminent danger to public health, safety, welfare, and the environment, or would violate permit conditions if the source(s) were to continue to operate after the malfunction(s), shall immediately be reported to the Department by telephone at the above number.

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

- (1) A description of the malfunction(s).
- (2) The source(s) and/or associated air pollution control device(s) and location(s).
- (3) The starting and ending date(s) and time(s).
- (4) The cause(s).
- (5) The emission(s).
- (6) Any corrective action(s) taken.

021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Within thirty (30) days after permit issuance, the permittee shall submit to the Department, for approval, the proposed recordkeeping formats required in this permit.

022 [25 Pa. Code §135.3]

Reporting

(a) 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 report shall include information from each previously-reported source(s), a new source(s) which was first operated during the preceding calendar year, and each source(s) modified during the same period that was not previously reported, including any source(s) listed in Section G, of this permit.

(b) 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.

023 [25 Pa. Code §135.4]

Report format

The permittee shall ensure that source reports are submitted in a format specified by the Department, and contain sufficient information to enable the Department to complete its emission inventory.

SECTION C. Site Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

024 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee shall take all reasonable actions to prevent PM from any source specified in Condition # 002(a) - (g), Section C, of this permit, 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, oil, water, or suitable chemicals on dirt roads, material stockpiles, and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

025 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

026 [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 pollution control device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of a source(s) listed in Sections A or G, of this permit, is causing the emission of air contaminants 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.

027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

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

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Requirements**

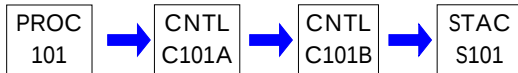
Source ID: 101

Source Name: PAINT SPRAY BOOTH #2

Source Capacity / Throughput:

N / A

COATINGS

**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 § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of VOCs from this paint spray booth occurs in such a manner that the rate of the emission is neither of the following:

(a) Greater than 10.5 lbs/hr.

(b) Greater than 2.6 tons/yr, calculated monthly as a 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 §§ 127.1 and 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this paint spray booth occurs in such a manner that the concentration of PM in the effluent gas does not exceed 0.02 gr / dscf.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 123.13(c).]

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this paint spray booth occurs in such a manner that the rate of the emission is neither of the following:

(a) Greater than 0.6 lbs/hr.

(b) Greater than 0.5 tons/yr, calculated monthly as a 12-month rolling sum.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.51(c).]

Sampling and testing shall be done in accordance with the procedures and test methods specified in 25 Pa. Code Chapter 139 (relating to sampling and testing).

SECTION D. Source Level Requirements**III. MONITORING REQUIREMENTS.**

005 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall monitor the differential pressure across the polyfiber filters (Source ID C101A) associated with this paint spray booth at least once per operating shift.

006 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.51(a) and (c) and 129.73(12).]

(a) The permittee shall monitor the inlet and outlet concentrations of VOCs at least once per shift whenever applying a coating that exceeds the applicable VOC content limit specified in 25 Pa. Code § 129.73, Table II.

(b) The permittee shall use a photo-ionization detector or equivalent instrument, as approved by the Department, to conduct the monitoring of VOCs, as specified in (a), above.

007 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) The permittee shall monitor the following operating parameters for each as supplied coating, ink, cleanup and other solvent, diluent, etc. (coating material), used on a daily basis:

- (1) The amount used (gallons).
- (2) The mix ratio.
- (3) The density (lbs/gal) or specific gravity.
- (4) The weight percent of total volatiles, water, solids, and exempt solvents.
- (5) The volume percent of solids.
- (6) The VOC content (weight percent), obtained from one of the following:
 - (i) A certified product data sheet (CPDS).
 - (ii) A material safety data sheet (MSDS). If the VOC content value is reported as a range, the upper bound of the range shall be considered the actual value.
 - (iii) Testing in accordance with EPA Method 24/24A, as specified in 40 C.F.R. Part 60, Appendix A.
 - (iv) An alternative method, as approved by the Department.
- (7) The HAP content (weight percent), calculated using a Department-approved method(s).

(b) The permittee shall monitor the following operating parameters for each as applied coating used, calculated using Department-approved methods:

- (1) The VOC and HAP content (weight percent and lbs/gal of coating solids), on a daily basis.
- (2) The amount used (pounds and gallons) on a daily basis.

SECTION D. Source Level Requirements

(3) The VOC and HAP emissions (pounds or tons), on a monthly and 12-month rolling basis.

(4) The PM emissions (pounds or tons), on a monthly and 12-month rolling basis.

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 § 127.443(b).]

The permittee shall monitor the differential pressure across the polyfiber filters (Source ID C101A) associated with this paint spray booth at least once per operating shift.

009 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall maintain records of the dates that the polyfiber filters (Source ID C101A) and activated carbon / zeolite filters (Source ID C101B) associated with this paint spray booth are replaced.

010 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.73(10).]

The permittee shall maintain records of all leak inspections for any enclosed spray gun cleaning system(s) used to clean the HVLP spray guns used in this paint spray booth. These records shall contain, at a minimum, the following for each inspection:

- (a) The date of the inspection.
- (b) The person who conducted the inspection.
- (c) Any problems or defects (i.e., whether any components were leaking).
- (d) Any corrective action(s) taken.

011 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.443(b), 129.51(a), and 129.73(12).]

The permittee shall maintain records of the inlet and outlet concentrations of VOCs at least once per shift whenever applying a coating that exceeds the applicable VOC content limit specified in 25 Pa. Code § 129.73, Table II.

012 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.443(b), 129.51(d), 129.52(c) and 129.73(13).]

(a) The permittee shall maintain records of the following operating parameters for each as supplied coating material used on a daily basis:

- (1) The amount used (gallons).
- (2) The mix ratio.

SECTION D. Source Level Requirements

- (3) The density (lbs/gal) or specific gravity.
 - (4) The weight percent of total volatiles, water, solids, and exempt solvents.
 - (5) The volume percent of solids.
 - (6) The VOC content (weight percent), obtained from one of the following:
 - (i) A certified product data sheet (CPDS).
 - (ii) A material safety data sheet (MSDS). If the VOC content value is reported as a range, the upper bound of the range shall be considered the actual value.
 - (iii) Testing in accordance with EPA Method 24/24A, as specified in 40 C.F.R. Part 60, Appendix A.
 - (iv) An alternative method, as approved by the Department.
 - (7) The HAP content (weight percent), calculated using a Department-approved method(s).
- (b) The permittee shall maintain records of the following operating parameters for each as applied coating used, calculated using Department-approved methods:
- (1) The VOC and HAP content (weight percent and lbs/gal of coating solids), on a daily basis.
 - (2) The amount used (pounds and gallons) on a daily basis.
 - (3) The VOC and HAP emissions (pounds or tons), on a monthly and 12-month rolling basis.
 - (4) The PM emissions (pounds or tons), on a monthly and 12-month rolling basis.

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.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that HVLP spray guns are the only type of spray gun used in this paint spray booth.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

(a) The permittee shall ensure that this paint spray booth is equipped with the following types of filters:

- (1) Polyfiber filters (Source ID C101A) to control the emission of PM into the outdoor atmosphere.
- (2) Either activated carbon or zeolite filters (Source ID C101B) to control the emission of VOCs into the outdoor atmosphere whenever applying a coating that exceeds the applicable VOC content limit specified in 25 Pa. Code § 129.73,

SECTION D. Source Level Requirements

Table II.

(b) The polyfiber filters shall be installed in front of the activated carbon/zeolite filters.

015 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall operate and maintain a differential pressure gauge to indicate the differential pressure across the polyfiber filters (Source ID C101A) associated with this paint spray booth. The paint spray booth shall operate within the differential pressure range of 3.0 to 5.0 inches of water.

016 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that the activated carbon/zeolite filters (Source ID C101B) associated with this paint spray booth maintain a minimum overall removal efficiency of 85%. If the monitoring required in Condition # 006, Section D (under Source ID 101), of this permit, indicates that the overall removal efficiency is less than 85%, then the company shall complete the current coating operation and replace the spent filters with new filters, prior to continuing operation of the paint spray booth.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 129.73(12).]

017 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.73(10).]

(a) The permittee shall ensure that the HVLP spray guns used in this paint spray booth are cleaned using one of the following pieces of equipment and/or techniques:

- (1) An enclosed spray gun cleaning system that is kept closed when not in use.
- (2) Unatomized discharge of solvent into a waste container that is kept closed when not in use.
- (3) Disassembly of the spray gun and cleaning in a vat that is kept closed when not in use.
- (4) Atomized spray into a waste container that is fitted with a device designed to capture atomized solvent emissions.

(b) The following requirements shall apply when an enclosed spray gun cleaning system is used to clean the HVLP spray guns used in the paint spray booth:

(1) The permittee shall perform a visual inspection of the seals and all other potential sources of leaks for the enclosed spray gun cleaning system at least once per month. Each inspection shall occur while the enclosed spray gun cleaning system is operating, and shall be performed in accordance with Condition # 011, Section D (under Source ID 101), of this permit.

(2) Any leak(s), including visible leakage, misting, and clouding, shall be repaired within fourteen (14) days from when the leak(s) is first discovered. If the leak(s) is not repaired by the fifteenth (15th) day after first being discovered, the solvent shall be removed and the enclosed spray gun cleaning system shall be shut down until the leak(s) is repaired.

018 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

SECTION D. Source Level Requirements

The permittee shall operate and maintain this paint spray booth in a manner consistent with good air pollution control practices. The practices shall include, but not be limited to, the following:

- (a) Virgin and waste solvents shall be stored in covered containers.
- (b) The cover of the solvent containers shall be closed after the rag/applicator has been dipped in the solvent.
- (c) Used rags/applicators shall be stored in closed containers after use.
- (d) Spillage and splashing during the transfer of solvent from containers shall be minimized by all practical means.
- (e) The operators shall be trained in the proper cleaning procedures and equipment use. The operators shall be given a periodic refresher course, when deemed necessary by the permittee.
- (f) Spray gun cleaning shall be performed in the paint spray booth while the air cleaning devices are operating. The emission of VOCs from the cleaning of the spray guns shall be included in the total emissions from the paint spray booth.

VII. ADDITIONAL REQUIREMENTS.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) This source consists of a paint spray booth (#2), model no. IDB-128S, manufactured by JBI, Inc. The paint spray booth is equipped with polyfiber and activated carbon/zeolite filters to control the emission of PM and VOCs, respectively, into the outdoor atmosphere.
- (b) HVLP spray guns, model no. EGHV-531, manufactured by DeVilbiss, are used to transfer extreme performance coatings onto aerospace parts.

SECTION D. Source Level Requirements

Source ID: 102

Source Name: BINDER MIX TANK

Source Capacity / Throughput:

**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 §§ 127.1 and 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this binder mix tank occurs in such a manner that the concentration of PM in the effluent gas does not exceed 0.02 gr / dscf.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 123.13(c).]

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this binder mix tank occurs in such a manner that the rate of the emission does not exceed 3.0 tons / yr, calculated monthly as a 12-month rolling sum.

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.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For the wet scrubber / mist eliminator (Source ID C102) associated with this binder mix tank, the permittee shall monitor the pressure drop across the wet scrubber at least once per operating shift.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following operating parameters for this binder mix tank on an operating shift basis:

(a) The names and types of materials processed.

(b) The amount of each material processed.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the PM emissions from this binder mix tank on a monthly and 12-month rolling basis, calculated using Department-approved methods.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

SECTION D. Source Level Requirements**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

For the wet scrubber / mist eliminator (Source ID C102) associated with this binder mix tank, the permittee shall maintain records of the pressure drop across the wet scrubber at least once per operating shift.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following operating parameters for this binder mix tank on an operating shift basis:

- (a) The names and types of materials processed.
- (b) The amount of each material processed.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of all preventative maintenance inspections for the binder mix tank and the associated wet scrubber / mist eliminator (Source ID C102). These records shall contain, at a minimum, the following for each inspection:

- (a) The date of the inspection.
- (b) Any problems or defects.
- (c) Any corrective action(s) taken.
- (d) Any routine maintenance performed.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the PM emissions from this binder mix tank on a monthly and 12-month rolling basis, calculated using Department-approved methods.

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.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that all emissions from this binder mix tank are routed to the associated wet scrubber / mist eliminator (Source C102).

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain a differential pressure gauge to indicate the differential pressure through the wet scrubber of the wet scrubber / mist eliminator (Source ID C102) associated with this binder mix tank. The wet scrubber shall operate within the differential pressure range of 1 to 2.5 inches of water.

SECTION D. Source Level Requirements

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall perform the following inspections, in accordance with Condition # 009, Section D, of this permit:

- (a) A visual check of this binder mix tank on an operating shift basis.
- (b) A visual check of the wet scrubber / mist eliminator (Source ID C102) associated with the binder mix tank on an operating shift basis.
- (c) Routine preventative maintenance of the binder mix tank, in accordance with the manufacturers' specifications.
- (d) Routine preventative maintenance of the wet scrubber / mist eliminator associated with the binder mix tank on a monthly basis.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that this binder mix tank remain(s) fully covered (to the extent possible) when being used, except when coating materials are being added to the binder mix tank.

VII. ADDITIONAL REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a open, 750-gal binder mix tank with top-entry mixer, model series 6000, manufactured by Premier Mill Corporation. PM emissions from the binder mix tank (generated during the loading of dry binder ingredients) are ducted to a combination wet scrubber / mist eliminator (Source ID C102), manufactured by Corro-Tech Equipment Corporation, as follows, before exhausting into the outdoor atmosphere. The system is rated at 4,000 acfm exhaust gas flow.

Equipment	Model Type	Model No.
Wet Scrubber	Cross Flow	CF-4000
Mist Eliminator	Cross Flow	ME-4000

SECTION D. Source Level Requirements

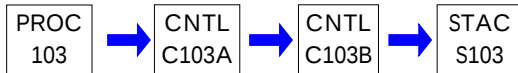
Source ID: 103

Source Name: PAINT SPRAY BOOTH #1 (4-CHAMBER BOOTH)

Source Capacity / Throughput:

N / A

COATINGS

**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 § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of VOCs from this paint spray booth occurs in such a manner that the rate of the emission does not exceed 3.5 tons/yr, calculated monthly as a 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 § 127.1.]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this paint spray booth occurs in such a manner that the concentration of PM in the effluent gas does not exceed 0.02 gr / dscf.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 123.13(c).]

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.51(c).]

Sampling and testing shall be done in accordance with the procedures and test methods specified in 25 Pa. Code Chapter 139 (relating to sampling and testing).

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

For each chamber of this paint spray booth, the permittee shall monitor the differential pressure across the associated polyfiber filters (Source ID C103A) on an operating hour basis.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.443(b), 129.51(a) and (c), and 129.73(12).]

(a) The permittee shall monitor the inlet and outlet concentrations of VOCs on an hourly basis whenever applying a coating that exceeds the applicable VOC content limit specified in 25 Pa. Code § 129.73, Table II.

(b) The permittee shall use a photo-ionization detector or equivalent instrument, as approved by the Department, to

SECTION D. Source Level Requirements

conduct the monitoring of VOCs, as specified in (a), above.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the following operating parameters for each as supplied coating material used on a daily basis:

- (1) The amount used (gallons).
- (2) The mix ratio.
- (3) The density (lbs/gal) or specific gravity.
- (4) The weight percent of total volatiles, water, solids, and exempt solvents.
- (5) The volume percent of solids.
- (6) The VOC content (weight percent), obtained from one of the following:
 - (i) A certified product data sheet (CPDS).
 - (ii) A material safety data sheet (MSDS). If the VOC content value is reported as a range, the upper bound of the range shall be considered the actual value.
 - (iii) Testing in accordance with EPA Method 24/24A, as specified in 40 C.F.R. Part 60, Appendix A.
 - (iv) An alternative method, as approved by the Department.
- (7) The HAP content (weight percent), calculated using a Department-approved method(s).

(b) The permittee shall monitor the following operating parameters for each as applied coating used, calculated using Department-approved methods:

- (1) The VOC and HAP content (weight percent and lbs/gal of coating solids), on a daily basis.
- (2) The amount used (pounds and gallons) on a daily basis.
- (3) The VOC and HAP emissions (pounds or tons), on a monthly and 12-month rolling basis.
- (4) The PM emissions (pounds or tons), on a monthly and 12-month rolling basis.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

For each chamber of this paint spray booth, the permittee shall maintain records of the differential pressure across the associated polyfiber filters (Source ID C103A) on an operating hour basis.

SECTION D. Source Level 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 §§ 127.443(b), 129.51(a), and 129.73(12).]

The permittee shall maintain records of the inlet and outlet concentrations of VOCs on an hourly basis whenever applying a coating that exceeds the applicable VOC content limit specified in 25 Pa. Code § 129.73, Table II.

009 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

For each chamber of this paint spray booth, the permittee shall maintain records of the dates that the associated polyfiber filters (Source ID C103A) and activated carbon/zeolite filters (Source ID C103B) are replaced.

010 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the manufacturer's specifications for this paint spray booth, the associated polyfiber filters (Source ID C103A) and activated carbon/zeolite filters (Source ID C103B), and the HVLP spray guns used in the paint spray booth.

011 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.443(b) and 129.73(10).]

The permittee shall maintain records of all leak inspections for any enclosed spray gun cleaning system(s) used to clean the HVLP spray guns used in this paint spray booth. These records shall contain, at a minimum, the following for each inspection:

- (a) The date of the inspection.
- (b) The person who conducted the inspection.
- (c) Any problems or defects (i.e., whether any components were leaking).
- (d) Any corrective action(s) taken.

012 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.443(b), 129.51(d), 129.52(c) and 129.73(13).]

(a) The permittee shall maintain records of the following operating parameters for each as supplied coating material used on a daily basis:

- (1) The amount used (gallons).
- (2) The mix ratio.
- (3) The density (lbs/gal) or specific gravity.

**SECTION D. Source Level Requirements**

- (4) The weight percent of total volatiles, water, solids, and exempt solvents.
 - (5) The volume percent of solids.
 - (6) The VOC content (weight percent), obtained from one of the following:
 - (i) A certified product data sheet (CPDS).
 - (ii) A material safety data sheet (MSDS). If the VOC content value is reported as a range, the upper bound of the range shall be considered the actual value.
 - (iii) Testing in accordance with EPA Method 24/24A, as specified in 40 C.F.R. Part 60, Appendix A.
 - (iv) An alternative method, as approved by the Department.
 - (7) The HAP content (weight percent), calculated using a Department-approved method(s).
- (b) The permittee shall maintain records of the following operating parameters for each as applied coating used, calculated using Department-approved methods:
- (1) The VOC and HAP content (weight percent and lbs/gal of coating solids), on a daily basis.
 - (2) The amount used (pounds and gallons) on a daily basis.
 - (3) The VOC and HAP emissions (pounds or tons), on a monthly and 12-month rolling basis.
 - (4) The PM emissions (pounds or tons), on a monthly and 12-month rolling basis.

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.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that HVLP spray guns are the only type of spray gun used in this paint spray booth.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

(a) The permittee shall ensure that this paint spray booth is equipped with the following types of filters:

- (1) Polyfiber filters (Source ID C103A) to control the emission of PM into the outdoor atmosphere.
- (2) Either activated carbon or zeolite filters (Source ID C103B) to control the emission of VOCs into the outdoor atmosphere whenever applying a coating that exceeds the applicable VOC content limit specified in 25 Pa. Code § 129.73, Table II.

SECTION D. Source Level Requirements

(b) The polyfiber filters shall be installed in front of the activated carbon/zeolite filters.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain a differential pressure gauge to indicate the differential pressure across the polyfiber filters (Source ID C103A) associated with this paint spray booth. The paint spray booth shall operate within the differential pressure range of 0.1 to 2.0 inches of water.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that the activated carbon / zeolite filters (Source ID C103B) associated with this paint spray booth maintain a minimum overall removal efficiency of 85%. If the monitoring required in Condition # 006, Section D (under Source ID 103), of this permit, indicates that the overall removal efficiency is less than 85%, then the company shall complete the current coating operation and replace the spent filters with new filters, prior to continuing operation of the paint spray booth.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 129.73(12).]

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.443(b) and 129.73(10).]

(a) The permittee shall ensure that the HVLP spray guns used in this paint spray booth are cleaned using one of the following pieces of equipment and/or techniques:

- (1) An enclosed spray gun cleaning system that is kept closed when not in use.
- (2) Unatomized discharge of solvent into a waste container that is kept closed when not in use.
- (3) Disassembly of the spray gun and cleaning in a vat that is kept closed when not in use.
- (4) Atomized spray into a waste container that is fitted with a device designed to capture atomized solvent emissions.

(b) The following requirements shall apply when an enclosed spray gun cleaning system is used to clean the HVLP spray guns used in the paint spray booth:

(1) The permittee shall perform a visual inspection of the seals and all other potential sources of leaks for the enclosed spray gun cleaning system at least once per month. Each inspection shall occur while the enclosed spray gun cleaning system is operating, and shall be performed in accordance with Condition # 011, Section D (under Source ID 103), of this permit.

(2) Any leak(s), including visible leakage, misting, and clouding, shall be repaired within 14 days from when the leak(s) is first discovered. If the leak(s) is not repaired by the 15th day after first being discovered, the solvent shall be removed and the enclosed spray gun cleaning system shall be shut down until the leak(s) is repaired.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

SECTION D. Source Level Requirements

The permittee shall operate and maintain this paint spray booth in a manner consistent with good air pollution control practices. The practices shall include, but not be limited to, the following:

- (a) Virgin and waste solvents shall be stored in covered containers.
- (b) The cover of the solvent containers shall be closed after the rag/applicator has been dipped in the solvent.
- (c) Used rags/applicators shall be stored in closed containers after use.
- (d) Spillage and splashing during the transfer of solvent from containers shall be minimized by all practical means.
- (e) The operators shall be trained in the proper cleaning procedures and equipment use. The operators shall be given a periodic refresher course, when deemed necessary by the permittee.
- (f) Spray gun cleaning shall be performed in the paint spray booth while the air cleaning devices are operating. The emission of VOCs from the cleaning of the spray guns shall be included in the total emissions from the paint spray booth.

VII. ADDITIONAL REQUIREMENTS.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) This source consists of a four (4)-chamber paint spray booth (#1). The paint spray booth is equipped with polyfiber and activated carbon/zeolite filters to control the emission of PM and VOCs, respectively, into the outdoor atmosphere.
- (b) HVLP spray guns, model no. EGHV-531, manufactured by DeVilbiss, are used to transfer extreme performance coatings onto aerospace parts.

**SECTION D. Source Level Requirements**

Source ID: 201

Source Name: BATCH VAPOR DEGREASER

Source Capacity / Throughput:

N / A

TECHTRIDE NPB (N-PROPYL BR)

PROC
201STAC
Z201**I. RESTRICTIONS.****Operation Hours 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 § 127.443(b).]

The permittee shall ensure that the total operating time of this batch vapor degreaser does not exceed 2,920 hours per year, calculated monthly as a 12-month rolling sum.

Throughput Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that Techtride NPB is the only degreasing solvent used in the operation of this batch vapor degreaser. The use of any other degreasing solvents shall be approved by the Department prior to their use.

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 25 Pa. Code § 129.63(b)(1).]

The permittee shall ensure that this batch vapor degreaser is equipped with the following:

(a) A safety switch (thermostat and condenser flow switch) that shuts off the sump heat if cooling water from the associated recirculator, as specified in Condition # 015(a), Section D (under Source ID 201), of this permit, is not circulating.

(b) A vapor up control switch that shuts off the spray pump if vapor is not present.

(c) An automated parts handling system that moves the parts or parts basket at the following speeds when entering or exiting the vapor zone:

(i) Less than or equal to 3 ft / min if the parts or parts basket occupies more than 50% of the solvent / air interface area.

(ii) Less than or equal to 11 ft / min at any time.

(d) A device that shuts off the sump heat if the sump degreasing solvent level drops to the sump heater coils.

(e) A vapor level control device that shuts off the sump heat if the vapor level in the batch vapor degreaser rises above the height of the primary condenser coils.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.63(b)(2).]

The permittee shall implement and maintain the following control combination for this batch vapor degreaser:



SECTION D. Source Level Requirements

- (a) A working mode cover.
- (b) A freeboard ratio of 1.0.
- (c) Superheated vapor.
- (d) A freeboard refrigeration device.

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.

005 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall monitor the following operating parameters for this batch vapor degreaser on a monthly basis:

- (a) The hours of operation.
- (b) The amount of Techtride NPB bought, added, recycled, and spent.

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 § 127.443(b).]

The permittee shall maintain records of the following operating parameters for this batch vapor degreaser on a monthly basis:

- (a) The hours of operation.
- (b) The amount of Techtride NPB bought, added, recycled, and spent.

007 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall maintain records of all preventative maintenance inspections performed for this batch vapor degreaser and associated equipment on a monthly basis. These records shall contain, at a minimum, the following for each inspection:

- (a) The date of the inspection.
- (b) Any problems or defects.
- (c) Any corrective action(s) taken.
- (d) Any routine maintenance performed.

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements**VI. WORK PRACTICE REQUIREMENTS.**

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that a timer provides a defrost cycle for this batch vapor degreaser every hour. The degreaser cover shall not be opened during the defrost cycle. The defrost cycle shall terminate after 2 to 3 minutes.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the water separator of this batch vapor degreaser discharges the ice melt to drain.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the temperature of the refrigerants used in this batch vapor degreaser do not exceed 0 °F, except when defrosting.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the boiling point of the degreasing solvent used in this batch vapor degreaser does not exceed 170 °F.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.63(b)(1).]

The permittee shall ensure that this batch vapor degreaser displays a permanent, conspicuous label summarizing the operating requirements specified in Conditions # 013 and 014(a) - (b), Section D (under Source ID 201), of this permit.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.63(b)(1) and (4).]

The permittee shall ensure that the cover of this batch vapor degreaser complies with the following requirements:

- (a) Is opened only for parts entrance and removal (during the working mode).
- (b) Is closed/ in place whenever parts are not in the degreaser, as follows:
 - (1) At all times during the idling mode.
 - (2) At all times during the downtime mode, except the following:
 - (i) After the degreasing solvent has been removed.
 - (ii) When maintenance or monitoring is being performed that requires the cover not to be closed/ in place.
 - (iii) When Techtride NPB is being added to the degreaser.
- (c) Completely covers the degreaser openings when closed/ in place.
- (d) Is maintained free of cracks, holes, and other defects.
- (e) Can be readily opened or closed without disturbing the vapor zone.

SECTION D. Source Level Requirements

(f) Is powered.

014 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.63(b)(4).]

The permittee shall ensure that this batch vapor degreaser is operated in accordance with the following procedures:

(a) Waste degreasing solvent, still bottoms, and sump bottoms shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow degreasing solvent to drain from the container.

(b) Parts shall be oriented so that the degreasing solvent drains from them freely. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. Cleaned parts shall be drained at least 15 seconds or until dripping ceases, whichever is longer.

(c) Parts or parts baskets may not be removed from the degreaser until dripping has ceased.

(d) Any flushing or spraying operations shall be performed within the vapor zone of the degreaser or other section of the degreaser that is not exposed to the ambient air (i.e., a baffled or enclosed area of the degreaser). The degreasing solvent spray shall be a solid fluid stream, not an atomized or shower spray.

(e) Sponges, fabric, wood, leather, paper products, and other absorbent materials shall not be cleaned in the degreaser.

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

(g) During startup of the degreaser, the primary condenser shall be turned on before the sump heater.

(h) During shutdown of the degreaser, the sump heater shall be turned off and the vapor layer shall be allowed to collapse before the primary condenser is turned off.

(i) When Techtride NPB/degreasing solvent is added to or drained from the degreaser, the Techtride NPB/degreasing solvent shall be transferred using threaded or other leakproof couplings and the end of the pipe in the sump shall be located beneath the surface of the degreasing solvent.

(j) Spills during use of the degreaser and during Techtride NPB/degreasing solvent transfer shall be cleaned up immediately.

VII. ADDITIONAL REQUIREMENTS.

015 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

This source consists of a 3.0 ft × 3.0 ft × 3.0 ft (vapor zone dimensions), open top, batch vapor degreaser, model no. 36-36-36, manufactured by Ultra-Kool, Inc. The vapor degreaser has a solvent/air interface area of 9.0 ft² and a total solvent capacity of 62 gals, and is operated with the following associated equipment:

(a) For primary condenser: A recirculator manufactured by Ultra-Kool, Inc. The recirculator uses R-22 refrigerant as the heat transfer medium, and has a rated heat removal capacity of 45 mBtu/hr.

(b) For secondary condenser: A sub-zero refrigeration freeboard chiller, model no. MT ("Cold Trap") manufactured by Ultra-Kool, Inc. The freeboard chiller uses R-507 refrigerant as the heat transfer medium, and has a rated heat removal



SECTION D. Source Level Requirements

capacity of 5 mBtu/hr.

**SECTION D. Source Level Requirements**

Source ID: 202

Source Name: COLD PARTS CLEANER

Source Capacity / Throughput:

N / A

SOLVENT NAPHTHA

PROC
202STAC
Z202**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

001 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.63(a)(5).]

The permittee shall maintain records of the following information for this cold parts cleaner:

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

002 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.63(a)(1).]

The permittee shall ensure that the freeboard ratio of this cold parts cleaner is maintained at a minimum of 0.50.

003 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.63(a)(2).]

The permittee shall ensure that this cold parts cleaner has a permanent, conspicuous label summarizing the operating

SECTION D. Source Level Requirements

requirements indicated in Condition # 004, Section D (under Source ID 202), of this permit. In addition, the label shall include the following discretionary good operating practices:

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

(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 openings of the parts cleaner.

004 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.63(a)(2).]

The permittee shall ensure that this cold parts cleaner is equipped with a cover that remains closed at all times except during cleaning of parts or the addition or removal of solvent.

005 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.63(a)(3).]

The permittee shall ensure that this cold parts cleaner is 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 parts cleaner. 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 parts cleaner.

(d) Air-agitated solvent baths may not be used.

(e) Spills during solvent transfer and use of the parts cleaner shall be cleaned up immediately.

006 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.63(a)(4).]

The permittee shall not use any solvent in this cold parts cleaner that has a vapor pressure equal to or greater than 1.0 mm Hg and a VOC content greater than 5%, by weight, measured at 20°C.

VII. ADDITIONAL REQUIREMENTS.

007 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

This source consists of an immersion-type cold parts cleaner, model no. PL32, manufactured by Graymills Corp. The cold parts cleaner has a rated capacity of 16 gal.



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

SECTION F. Emission Restriction Summary.

Source Id	Source Description
101	PAINT SPRAY BOOTH #2
Emission Limit	
0.020	gr / DRY FT3
0.500	Tons / Yr
0.600	Lbs / Hr
2.600	Tons / Yr
10.500	Lbs / Hr
Pollutant	
TSP	
TSP	
TSP	
VOC	
VOC	
102	BINDER MIX TANK
Emission Limit	
0.020	gr / DRY FT3
3.000	Tons / Yr
12-Month Rolling Sum, Calculated Monthly	
Pollutant	
TSP	
TSP	
103	PAINT SPRAY BOOTH #1 (4-CHAMBER BOOTH)
Emission Limit	
0.020	gr / DRY FT3
3.500	Tons / Yr
12-Month Rolling Sum, Calculated Monthly	
Pollutant	
TSP	
VOC	

Site Emission Restriction Summary

Emission Limit		Pollutant
25.000 Tons / Yr	12-Month Rolling Sum, Calculated Monthly; Aggregate	Hazardous Air Pollutants
10.000 Tons / Yr	12-Month Rolling Sum, Calculated Monthly; Individual	Hazardous Air Pollutants
18.400 Tons / Yr	12-Month Rolling Sum, Calculated Monthly	VOC

SECTION G. Miscellaneous.

(a) The following previously-issued documents serve as the basis for certain terms and conditions set forth in this permit:

- (1) Plan Approval No. PA-46-0155.
- (2) Plan Approval No. PA-46-0155C.
- (3) RFD No. 46-A01-2105.
- (4) Plan Approval No. PA-46-0155D.
- (5) RFD No. 46-A01-2419.
- (6) Online RFD No. 276.

(b) The following sources have been determined by the Department to be insignificant sources of air emissions and therefore do not require additional limitations, monitoring, or recordkeeping. They are still subject to any applicable federal, state, and local regulations, including those indicated in Section C (Site Level Requirements), of this permit:

(1) Six natural gas-fired ovens, as follows:

Oven No.	Manufacturer	Serial / Model No.	Rated Heat Input	Oven Type
1	Gehnrich Oven Sales Co.	10650 (SN)	200 mBtu/hr	Cabinet
13	Chesmont Engineering Co., Inc.	2724 (SN)	1,200 mBtu/hr	Conveyor
35	Despatch Industries	92918-N (SN)	3,500 mBtu/hr	Walk-in, Large
48	Despatch Industries	92773-M (SN)	350 mBtu/hr	Cabinet
49	Wisconsin Oven Corp.	SWT-6106G10 (MN)	1,200 mBtu/hr	Walk-in, Regular
N-1	Noble Industrial Furnace Co.	8850C (MN)	2,700 mBtu/hr	Walk-in, Large
			Total:	9.15 mmBtu/hr

(2) An electric oven (no. 39), model no. 484848, manufactured by Electra.

(3) Three natural gas-fired boilers, as follows:

Manufacturer	Model No.	Rated Heat Input
Peerless	ECT-05-WU	350 mBtu/hr
Weil-McLain	PFG-7-SPN Series 5	366 mBtu/hr
Weil-McLain	PFG-7-SPN Series 6	366 mBtu/hr
		Total: 1.082 mmBtu/hr

(4) Ten blast booths, as follows:

Blast Booth No(s).	Manufacturer	Model No.	Blast Booth Type	Blast Media
2	Empire Abrasive Equipment Co.	PR-110X8X10	Walk-in, Small	Aluminum Oxide
3	Zero, Div. of Clemco Industries Corp.	N / A (Custom)	Regular	Aluminum Oxide
4	Titan Abrasive Systems, Inc.	35SDC	Regular	Aluminum Oxide
5	Cyco-Blast	4836F	Suction Blaster	Glass Bead
6	Empire Abrasive Equipment Co.	PF3648	Regular	Aluminum Oxide
7, 8	Empire Abrasive Equipment Co.	PF4652	Regular	Aluminum Oxide
9	Aero-Blaster	N / A (Custom)	Regular	Glass Bead
10	Empire Abrasive Equipment Co.	N / A (Custom)	Regular	Glass Bead
12	Clemco Industries Corp.	153230	Walk-in, Small	Glass Bead



SECTION G. Miscellaneous.

- (5) A power washing booth. The washing booth uses an aqueous detergent as the cleaning solution.
- (6) A 300-gal sodium hydroxide (caustic) strip line vat.
- (7) An explosion-proof flammables building, including the following operation and sources:
 - (i) VOC solvent storage.
 - (ii) One bench-top and 2 small mixers.
- (8) A research and development laboratory, including the following sources:
 - (i) Two electric ovens manufactured by Precision Quincy Corp.
 - (ii) One regular and 2 downdraft paint spray booths.
 - (iii) A plasma (powder) spray booth.
- (9) A mixing area paint spray booth.
- (10) Various mix tanks.



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