



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY NATURAL MINOR OPERATING PERMIT

Issue Date: June 4, 2025

Effective Date: June 4, 2025

Expiration Date: June 3, 2030

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: 46-00231

Natural Minor

Federal Tax Id - Plant Code: 23-2792670-1

Owner Information

Name: JUDSON A SMITH CO
Mailing Address: 857-863 SWEINHART RD
BOYERTOWN, PA 19512

Plant Information

Plant: JUDSON A SMITH CO/BOYERTOWN
Location: 46 Montgomery County 46924 Douglass Township
SIC Code: 3498 Manufacturing - Fabricated Pipe And Fittings

Responsible Official

Name: DANIELS SHAWN SPENCER
Title: GENERAL MANAGER
Phone: (610) 367 - 2021 Email: DSSpencer@judsonsmith.com

Permit Contact Person

Name: ROBERT R KELLY
Title: ENGINEERING MGR
Phone: (610) 367 - 2021 Email: rkelly@judsonsmith.com

[Signature] _____

JILLIAN A. GALLAGHER, SOUTHEAST REGION AIR PROGRAM MANAGER



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Source ID	Source Name	Capacity/Throughput	Fuel/Material
103	COLD CLEANING MACHINES	N/A	MINERAL SPIRIT
		N/A	ETHYL ALCOHOL
105	ULTRAKOOL VAPOR DEGREASER (CTP1812)	N/A	CLEANING SOLVENT
Z103	COLD CLEANING MACHINE EMISSIONS		
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PERMIT MAPS

PROC
103 → STAC
Z103

PROC
105 → STAC
Z105

**SECTION B. General State Only Requirements****#001 [25 Pa. Code § 121.1]****Definitions.**

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

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

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

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

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

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

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

**SECTION B. General State Only Requirements**

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

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

(b) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

(e) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
 - (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
 - (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
 - (4) Space heaters which heat by direct heat transfer.
 - (5) Laboratory equipment used exclusively for chemical or physical analysis.
 - (6) Other sources and classes of sources determined to be of minor significance by the Department.
- (e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:
- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.
 - (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.
 - (3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.
- (g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.
- (h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

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

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

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) If the facility is a Synthetic Minor Facility, the permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator of a Synthetic Minor Facility may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

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

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. § 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 25 Pa. Code § 129.14.
- (g) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (h) Coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code §§ 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations).
- (i) Sources, and classes of sources, other than those identified in (a) - (e) above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive emissions from the source, after appropriate controls, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution; and
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

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

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

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

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

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

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

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

The opacity limitations as per 25 Pa. Code § 123.41 shall not apply to a visible emission in either of the following instances:

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

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

- (a) Total emissions of VOC from the facility shall be restricted to 18.83 tons per year (tpy), determined as a 12-month rolling sum.
- (b) Total emissions of HAP from the facility shall be restricted to 8.06 tpy, determined as a 12-month rolling sum.

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

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

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

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

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

**SECTION C. Site Level Requirements****III. MONITORING REQUIREMENTS.****# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

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

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

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

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

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

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

012 [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 63, Subpart T]

- (a) The permittee shall monitor total VOC emissions from the facility on a monthly basis.
- (b) The permittee shall monitor emissions of each individual HAP on a monthly basis. Emissions of HAP shall be totaled each month.

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

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

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

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

**SECTION C. Site Level Requirements**

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

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

015 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

All records required herein this operating permit shall be maintained for a minimum of five years and made readily available to the Department upon request.

016 [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 63, Subpart T]

On the first operating day of each month, the permittee shall calculate and record emissions of VOC, each individual HAP, and total HAP for the previous month, using a method approved by the Department that also complies with the requirements of 40 C.F.R. § 63.471(c)(2)-(3). Emissions of VOC and HAP shall also be summarized as a 12-month rolling sum.

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

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

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release [25 Pa. Code § 127.441(d) and 40 CFR Part 68] program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

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

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
 - (i) Three years after the date on which a regulated substance is first listed under 40 CFR § 68.130; or,
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
- (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.
- (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

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

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

**SECTION C. Site Level Requirements**

- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
 - (2) Certify that this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.
- (e) If this facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.
- (f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:
- (1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.
 - (2) The permittee fails to submit a compliance schedule or include a statement in an annual Compliance Certification submittal for the previous year indicating compliance with the requirements of the terms and conditions of this permit, and the requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68. The certification shall include:
 - (i) The identification of each term or condition of the permit that is the basis of the certification.
 - (ii) The compliance status.
 - (iii) The methods used for determining the compliance status of the source, currently and over the reporting period.
 - (iv) Whether compliance was continuous or intermittent.
- (g) The compliance certification should be postmarked or hand-delivered within thirty days of each anniversary date of the date of issuance of this permit.

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

- (a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department's 24-hour Emergency Hotline at 1-800-541-2050. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
- (b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.
- (c) The report shall describe the following:
- (1) Name, permit or authorization number, and location of the facility;
 - (2) Nature and cause of the malfunction, emergency or incident;
 - (3) Date and time when the malfunction, emergency or incident was first observed;
 - (4) Expected duration of excess emissions;
 - (5) Estimated rate of emissions; and
 - (6) Corrective actions or preventative measures taken.
- (d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

**SECTION C. Site Level Requirements**

(e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.

(f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Copies of all applicable requests, reports, applications, submittals, and other communications, as required in this subpart, shall be submitted to both EPA and the Department. The EPA copies shall be forwarded to:

United States Environmental Protection Agency
Region III, Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

VI. WORK PRACTICE REQUIREMENTS.**# 020 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

(a) Use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

(b) Application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(c) Paving and maintenance of roadways.

(d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

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

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

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

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

023 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in this operating permit is causing the emission of air

**SECTION C. Site Level Requirements**

contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III, or any other applicable rule promulgated under the Clean Air Act.

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: 103

Source Name: COLD CLEANING MACHINES

Source Capacity/Throughput:

N/A

MINERAL SPIRIT

N/A

ETHYL ALCOHOL

PROC
103STAC
Z103**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Cold Cleaning Machines (Source ID 103) shall not exceed the following emission limits:

- (a) Volatile Organic Compounds (VOC) - 11.5 tons per year, determined on a 12-month rolling period.
- (b) Hazardous Air Pollutants (HAP) - 1.00 ton per year, determined on a 12-month rolling period.

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

- (a) If the permittee does not have a Safety Data Sheet (SDS) or Certified Product Data Sheet (CPDS) that contains the VOC and HAP content for solvents being used in the cold cleaning machines, both by weight and volume, then the permittee shall perform testing to determine the VOC and HAP content.
- (b) The VOC and HAP content shall be determined using a Department approved test method(s).

III. MONITORING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall monitor that the cover for each cold cleaning machine opens and closes properly, completely covers the cold cleaning machine, and is free of cracks, holes, and other defects.
- (b) The amount of solvent that is added and removed from the cold cleaning machines shall be monitored, per each delivery.
- (c) The volume (or weight) percent of non-solvent material removed from the cold cleaning machines shall be monitored on a monthly basis.
- (d) The permittee shall monitor emissions of VOC and HAP on a monthly basis.

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

- (a) Once per shift, the permittee shall document that the cover for each cold cleaning machine opens and closes properly, completely covers the cold cleaning machine, and is free of cracks, holes, and other defects.
- (b) The amount of solvent that is added and removed from the cold cleaning machines shall be recorded, per each delivery, on a monthly basis.
- (c) The volume (or weight) percent of non-solvent material removed from the cold cleaning machines shall be determined and recorded on a monthly basis.

**SECTION D. Source Level Requirements**

(d) On the first operating day of each month, using the records of all solvent additions and deletions for the previous month, the permittee shall calculate and record emissions of VOC and HAP for the previous month. Emissions of VOC and HAP shall also be summarized as a 12-month rolling sum.

(e) For each solvent, the following shall be maintained on site;

(1) The name and address of the solvent supplier.

(2) The type of solvent including the product or vendor identification number.

(3) A SDS or CPDS for each solvent used in cold cleaning machines that contains the VOC and HAP content, by weight and volume percentage, and the identification of each individual HAP.

(4) The vapor pressure of the solvent measured in mm Hg at 20°C (68°F).

(f) Information on actions taken to comply with the requirements applicable to the cold cleaning machines. This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.

(g) The permittee shall keep the owner's manual or the written maintenance and operating procedures for each of the cold cleaning machines for the duration that the cold cleaning machines are operated at the facility.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of initial training and annual refresher training that is provided on the operation of the Cold Cleaning Machines.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall conduct introductory training to new employees, and annual refresher training to existing employees, who are involved in cold cleaning machine operations, to include the following:

(a) Appropriate cold cleaning machine operations.

(b) Appropriate equipment setup and adjustment to minimize solvent usage.

(c) Appropriate techniques for handling, transfer and storage of solvents.

(d) Appropriate clean up and wash off procedures, including management of cleanup wastes.

007 [25 Pa. Code §129.63]

Degreasing operations

(a) The cold cleaning machines shall be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

(b) The cold cleaning machines shall be operated in accordance with the following procedures:

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

**SECTION D. Source Level Requirements**

- (2) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.
- (3) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.
- (4) 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.
- (5) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
- (6) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.
- (7) Air agitated solvent baths may not be used.
- (8) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.
- (c) The cold cleaning machines shall have a permanent, conspicuous label summarizing the operating requirements in (b) above.

008 [25 Pa. Code §129.63]**Degreasing operations**

The cold cleaning machines shall have a minimum freeboard ratio of 0.75.

009 [25 Pa. Code §129.63]**Degreasing operations**

(a) Prior to using an alternative solvent in the degreaser, the permittee shall obtain written approval from the Department. The permittee's written request shall include the following:

- (1) A SDS or CPDS containing:
- (i) The VOC and HAP content, by weight and volume percentage.
 - (ii) The identification of each individual HAP, including those halogenated HAP identified in 40 C.F.R. Part 63, Subpart T.
- (2) The potential-to-emit of VOC and HAP from the proposed solvent.

(b) The Cold Cleaning Machines shall not use methylene chloride (CAS No. 75-09-2), perchloroethylene (CAS No. 127-18-4), trichloroethylene (CAS No. 79-01-6), 1,1,1-trichloroethane (CAS No. 71-55-6), carbon tetrachloride (CAS No. 56-23-5) or chloroform (CAS No. 67-66-3), or any combination of these halogenated HAP solvents, in concentrations greater than 5.0 percent by weight.

VII. ADDITIONAL REQUIREMENTS.**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 103 consists of the following:

Unit	Installed	Dimensions (inches)	Normal Capacity (gallons)
TM Tank 3 (JAS custom)	9/10/81	216 x 6 x 12	42.1
TM Tank 4 (JAS custom)	9/10/81	216 x 6 x 12	42.1
ECM Tank 4 (McMaster-Carr)	6/01/92	24 x 15 x 18	10.5

**SECTION D. Source Level Requirements**

Tessy Tank 4 (McMaster-Carr)	6/01/92	24 x 15 x 18	10.5
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**SECTION D. Source Level Requirements**

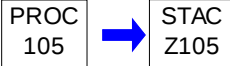
Source ID: 105

Source Name: ULTRAKOOL VAPOR DEGREASER (CTP1812)

Source Capacity/Throughput:

N/A

CLEANING SOLVENT

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

The UltraKool Vapor Degreaser (CTP1812) shall be restricted to 4.49 tons per year of volatile organic compounds (VOC) and hazardous air pollutants (HAP), determined on a 12-month rolling basis.

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

(a) If the permittee does not have a Safety Data Sheet (SDS) or Certified Product Data Sheet (CPDS) that contains the VOC and HAP content for a solvent being used in the degreaser, both by weight and volume, then the permittee shall perform testing to determine the VOC and HAP content.

(b) The VOC and HAP content shall be determined using a Department approved test method(s).

III. MONITORING REQUIREMENTS.**# 003 [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 63, Subpart T]

The permittee shall monitor the following once per shift, when the degreaser is being operated:

(a) The idling and downtime cover, to ensure that the cover is opening and closing properly, completely covers the vapor degreaser openings when closed, and is free of cracks, holes, and other defects.

(b) The temperature of the air blanket (in °F), at the center of the air blanket, using a thermometer or thermocouple. The temperature shall be taken while the degreaser is in the idling mode.

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. Part 63, Subpart T]

The following shall apply for the automated parts handling system:

(a) The permittee shall determine the hoist speed by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance in meters divided by the time in minutes (meters per minute).

(b) The permittee shall monitor hoist speed on a monthly basis. If after the first year, no exceedances of the hoist speed are measured, upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency from monthly to quarterly.

(c) If an exceedance of the hoist speed occurs during quarterly monitoring, the monitoring frequency returns to monthly until another year of compliance without an exceedance is demonstrated.

**SECTION D. Source Level Requirements****# 005 [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 63, Subpart T]

(a) The permittee shall monitor the amount of solvent that is added and removed from the degreaser, per each delivery, on a monthly basis.

(b) The permittee shall monitor the composition of wastes removed from the degreaser, as determined using the procedures described in 40 C.F.R. § 63.465(c)(2).

006 [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 63, Subpart T]

The permittee shall monitor total VOC and HAP emissions on a monthly basis and as a 12-month rolling sum.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. Part 63, Subpart T]

The permittee shall document the following once per shift, when the degreaser is being operated:

(a) That the idling and downtime cover is opening and closing properly, completely covers the vapor degreaser openings when closed, and is free of cracks, holes, and other defects.

(b) The temperature of the air blanket (in °F), at the center of the air blanket, using a thermometer or thermocouple. The temperature shall be taken while the degreaser is in the idling mode.

008 [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 63, Subpart T]

The following shall apply for the automated parts handling system:

(a) The permittee shall record the hoist speed, in meters/minute or feet/minute, on a monthly basis. If after the first year, no exceedances of the hoist speed are measured, the owner or operator may begin recording the hoist speed quarterly.

(b) If an exceedance of the hoist speed occurs during quarterly recordkeeping, the recordkeeping frequency returns to monthly until another year of compliance without an exceedance is demonstrated.

009 [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 63, Subpart T]

(a) The permittee shall record the amount of solvent that is added and removed from the degreaser, per each delivery, on a monthly basis.

(b) The permittee shall record the composition of wastes removed from the degreaser, as determined using the procedures described in 40 C.F.R. § 63.465(c)(2).

010 [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 63, Subpart T]

**SECTION D. Source Level Requirements**

On the first operating day of each month, using the records of all solvent additions and deletions for the previous month, the permittee shall calculate and record emissions of VOC and HAP for the previous month, using a method approved by the Department that also complies with the requirements of 40 C.F.R. § 63.471(c)(2)-(3). Emissions of VOC and HAP shall also be summarized as a 12-month rolling sum.

011 [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 63, Subpart T]

The permittee shall maintain the following documentation:

(a) A SDS or CPDS for each solvent used in degreaser that contains the following:

- (1) VOC and HAP content, by weight and volume percentage.
- (2) Identification of each individual HAP, including those halogenated HAP identified in 40 C.F.R. Part 63, Subpart T.

(b) Records demonstrating compliance ensuring that the degreaser contains only clean liquid solvent, as described in detail under Work Practice Requirements.

(c) Information on actions taken to comply with the requirements applicable to the degreaser. This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.

(d) The owner's manual or the written maintenance and operating procedures for the degreaser.

(e) The date of installation for the degreaser and all of its control devices. If the exact date for installation is not known, a letter certifying that the degreaser and its control devices were installed prior to, or on, November 29, 1993, or after November 29, 1993, may be substituted.

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

The permittee shall maintain records of initial training and annual refresher training that is provided on the operation of the UltraKool Vapor Degreaser.

V. REPORTING REQUIREMENTS.**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.468]****Subpart T--National Emission Standards for Halogenated Solvent Cleaning
Reporting requirements**

When utilizing solvents containing greater than 5.0 percent by weight of halogenated solvents identified in 40 C.F.R. Part 63, Subpart T, the permittee shall submit an annual report by February 1 of each year. This report shall include the following:

(a) A signed statement from the facility owner or his designee stating that all operators of the degreaser have received training on the proper operation of degreaser and its control devices sufficient to pass the applicable sections of the test of solvent cleaning procedures in appendix A of 40 Part 63, Subpart T, if requested during an inspection by the Department or EPA, and,

(b) An estimate of solvent consumption from the degreaser during the reporting period.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.468]**Subpart T--National Emission Standards for Halogenated Solvent Cleaning
Reporting requirements**

(a) When utilizing solvents containing greater than 5.0 percent by weight of halogenated solvents identified in 40 C.F.R. Part 63, Subpart T, the permittee shall submit an exceedance report to the Department and EPA semiannually, except when the Department/EPA determines on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of the source or, an exceedance occurs. Once an exceedance has occurred, the owner or operator shall

**SECTION D. Source Level Requirements**

follow a quarterly reporting format until a request to reduce reporting frequency has been approved, per (b) below. Exceedance reports shall be delivered or postmarked by the 30th day following the end of each calendar half or quarter, as appropriate. The exceedance report shall include the following, as is applicable:

- (1) Information on the actions taken to comply with the requirements applicable to the degreaser. This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.
- (2) If an exceedance has occurred, the reason for the exceedance and a description of the actions taken.
- (3) If no exceedances of a parameter have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report.

(b) An owner or operator who is required to submit an exceedance report on a quarterly (or more frequent) basis may reduce the frequency of reporting to semiannual if the following conditions are met:

- (1) The source has demonstrated a full year of compliance without an exceedance,
- (2) The owner or operator continues to comply with all relevant recordkeeping and monitoring requirements specified under 40 C.F.R. Part 63, Subpart A (General Provisions) and those identified herein this Operating Permit,
- (3) The Department/EPA does not object to a reduced frequency of reporting for the affected source (or if the Department/EPA has not responded within 45 days of their disapproval), and;
- (4) The owner or operator has requested in writing to the Department and EPA for a reduction in the frequency of reporting.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.63(b) and 40 C.F.R. Part 63, Subpart T]

(a) The permittee shall conduct introductory training to new employees, and annual refresher training to existing employees, who are involved in degreaser operations, to include the following:

- (1) Appropriate degreasing operations.
- (2) Appropriate equipment setup and adjustment to minimize solvent usage.
- (3) Appropriate techniques for handling, transfer and storage of solvents.
- (4) Appropriate clean up and wash off procedures, including management of cleanup wastes.

(b) Each operator of the degreaser shall complete and pass the applicable sections of the test of solvent cleaning procedures in appendix A of 40 C.F.R. Part 63, Subpart T.

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

Prior to using an alternative solvent in the degreaser, the permittee shall obtain written approval from the Department. The permittee's written request shall include the following:

(a) A SDS or CPDS containing:

- (1) The VOC and HAP content, by weight and volume percentage.
- (2) The identification of each individual HAP, including those halogenated HAP identified in 40 C.F.R. Part 63, Subpart T.

(b) The potential-to-emit of VOC and HAP from the proposed solvent.

**SECTION D. Source Level Requirements****# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.63(b) and 40 C.F.R. Part 63, Subpart T]

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

- (1) An idling and downtime mode cover that completely covers the degreaser openings when in place, is free of cracks, holes and other defects, and can be readily opened or closed without disturbing the vapor zone,
- (2) A freeboard ratio greater than or equal to 1.0,
- (3) A primary condenser,
- (4) An automated parts handling system that moves the parts or parts basket at a speed of:
 - (i) 11 feet (3.4 meters) per minute or less when the parts or parts basket entering or exiting the vapor zone occupies 50% or less of the solvent/air interface area.
 - (ii) 3 feet (0.9 meters) per minute or less when the parts or parts basket entering or exiting the vapor zone occupies more than 50% of the solvent/air interface area.
- (5) A device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils,
- (6) A vapor level control device that shuts off the sump heat if the vapor level in the degreaser rises above the height of the primary condenser,
- (7) A freeboard refrigeration device,
- (8) A safety switch (thermostat and condenser flow switch) which shuts off the sump heat if the coolant is not circulating,
- (9) A vapor up control switch that shuts off the spray pump if vapor is not present. A vapor up control switch is not required if the degreaser is not equipped with a spray pump, and;
- (10) A permanent, conspicuous label summarizing the operating requirements identified in (b) below.

(b) The degreaser shall be operated in accordance with the following procedures:

- (1) Parts shall be oriented so that the solvent drains from them freely. Parts having cavities or blind holes shall be tipped or rotated before being removed from the degreaser,
- (2) The chilled air blanket temperature (in °F), measured at the center of the air blanket, shall be no greater than 30 percent of the solvent's boiling point,
- (3) Waste 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 liquid solvent to drain from the container,
- (4) Cleaned parts shall be drained at least 15 seconds or until dripping ceases, whichever is longer,
- (5) Flushing or spraying of parts using a flexible hose or other flushing device shall be performed within the vapor zone of the degreaser or within a section of the degreaser that is not exposed to the ambient air. The solvent spray shall be a solid fluid stream, not an atomized or shower spray,
- (6) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the degreaser,
- (7) Spills during solvent transfer and use of the degreaser shall be cleaned up immediately,

**SECTION D. Source Level Requirements**

- (8) Work area fans shall be located and positioned so that they do not blow across the opening of the degreaser,
- (9) During startup of the degreaser, the primary condenser shall be turned on before the sump heater,
- (10) During shutdown of the degreaser, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off,
- (11) When solvent is added to or drained from the degreaser, the solvent shall be transferred using threaded or other leak-proof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface, and;
- (12) The company shall keep the cover of the vapor degreaser closed at all times except when processing work loads through the degreaser, maintenance or monitoring is being performed that requires the cover to not be in place, or the solvent has been removed from the degreaser. The opening and closing of the cover shall not disturb the vapor zone.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.463]**Subpart T--National Emission Standards for Halogenated Solvent Cleaning****Batch vapor and in-line cleaning machine standards**

The permittee shall, on the first operating day of each month, ensure that the degreaser contains only clean liquid solvent. This includes, but is not limited to, fresh unused solvent, recycled solvent, and used solvent that has been cleaned of soiled materials. A fill line must be indicated during the first month the measurements are made. The solvent level within the degreaser must be returned to the same fill-line each month, immediately prior to calculating monthly emissions as required herein this Operating Permit. The degreaser does not have to be emptied and filled with fresh unused solvent prior to the calculations.

VII. ADDITIONAL REQUIREMENTS.**# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The UltraKool Vapor Degreaser (CTP1812) is a batch vapor degreaser.
- (b) When utilizing cleaning solvents containing greater than 5.0 percent of methylene chloride (CAS No. 75-09-2), perchloroethylene (CAS No. 127-18-4), trichloroethylene (CAS No. 79-01-6), 1,1,1-trichloroethane (CAS No. 71-55-6), carbon tetrachloride (CAS No. 56-23-5) or chloroform (CAS No. 67-66-3), or any combination of these halogenated solvents, Source ID 105 shall comply with the requirements of 40 C.F.R. Part 63, Subpart T.
- (c) When utilizing solvents other than those identified in (a) above, which contain greater than 5.0 percent of volatile organic compounds, Source ID 105 shall comply with the requirements of 25 Pa. Code § 129.63(b).



SECTION E. Source Group Restrictions.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
103	COLD CLEANING MACHINES		
Emission Limit		Pollutant	
1.000	Tons/Yr	Hazardous Air Pollutants	
11.500	Tons/Yr	VOC	
105	ULTRAKOOL VAPOR DEGREASER (CTP1812)		
Emission Limit		Pollutant	
4.490	Tons/Yr	Determined on a 12-month rolling basis	Hazardous Air Pollutants
4.490	Tons/Yr	Determined on a 12-month rolling basis	VOC

Site Emission Restriction Summary

Emission Limit		Pollutant
18.830	Tons/Yr	Determined on a 12-month rolling period VOC
8.060	Tons/Yr	Determined on a 12-month rolling period Hazardous Air Pollutants

**SECTION H. Miscellaneous.**

#001 The following sources have been deemed to be insignificant sources:

- (a) Two (2) Evaporators, Nine (9) Heating units, 2 Water Heaters, and an Annealing Furnace.
- (b) Two (2) bead blast units, each controlled by a Torit/Donaldson dust collector, Model No. TD 486.
- (c) Two (2) bead blast units, controlled by a Clemco Industries dust collector, Model No. BNPA 205-3.
- (d) Grinder Operations controlled by a Torit/Donaldson dust collector, Model No. MC 1000.
- (e) Two (2) PAD Print Units.

#002 This State Only Operating Permit is being issued under APS #: 505924, AUTH #: 532051.

#003 This State Only Operating Permit is being renewed for another 5-year term under APS #: 505924, AUTH #: 994500. This State Only Operating Permit also incorporates Request for Determination (RFD) No. 1188, for the replacement of an existing Branson Vapor Degreaser (4014) (Source ID 102) with an UltraKool Vapor Degreaser with the same size and operating conditions.

#004 This State Only Operating Permit is being renewed for another 5-year term under APS #: 1003082, AUTH #: 1290803.

#005 This State Only Operating Permit is being renewed for another 5-year term under APS #: 1003082, AUTH #: 1505757. This State Only Operating Permit reflects the removal of a passivation tank #5 (Source ID 103), two (2) emergency generators (Source ID 104), and one (1) PAD Print Unit (Section H).



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