



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: June 20, 2018

Effective Date: June 20, 2018

Expiration Date: June 19, 2023

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

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

TITLE V Permit No: 46-00047

Federal Tax Id - Plant Code: 46-1122260-1

Owner Information

Name: MUELLER STREAMLINE CO
Mailing Address: 287 WISSAHICKON AVE
NORTH WALES, PA 19454-4115

Plant Information

Plant: PRECISION TUBE CO / NORTH WALES
Location: 46 Montgomery County 46953 Upper Gwynedd Township
SIC Code: 3351 Manufacturing - Copper Rolling And Drawing

Responsible Official

Name: MICHAEL J PFEIFFENBERGER
Title: GENERAL MGR
Phone: (215) 699 - 5801

Permit Contact Person

Name: GARY L DELP
Title: DIR, TECH SERVICES
Phone: (215) 699 - 5801

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

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Note: These same sub-sections are repeated for each source!

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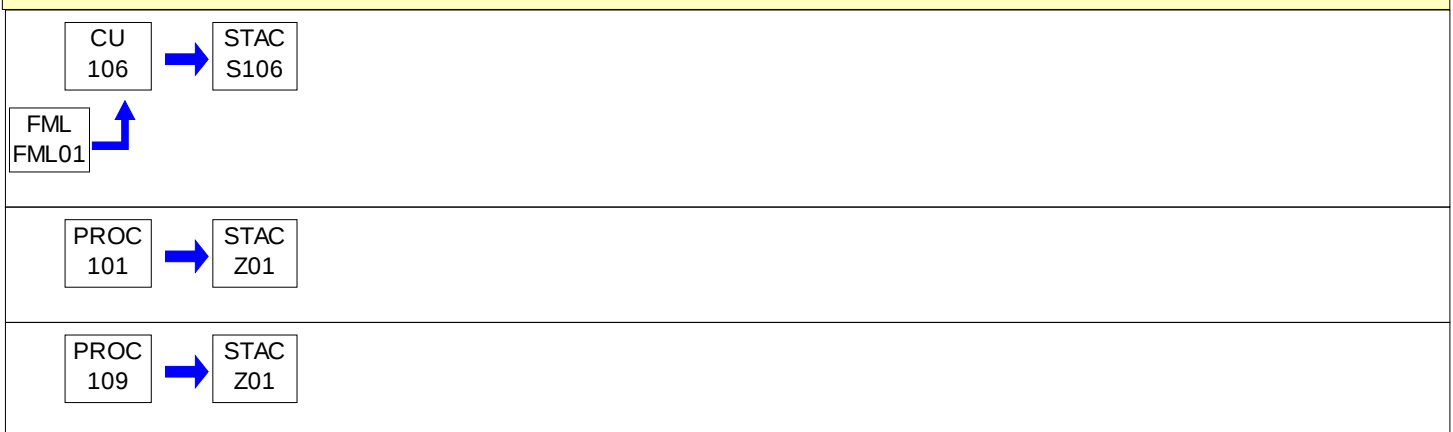
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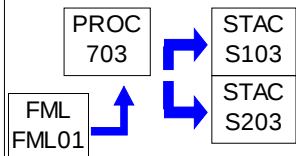
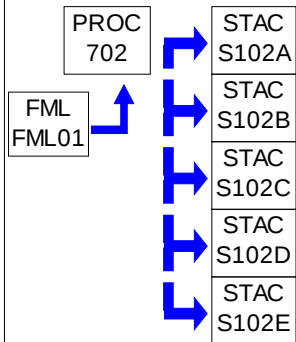
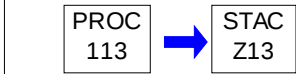
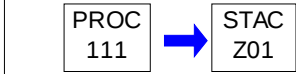
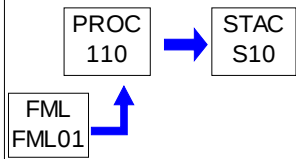
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
106	EVAPORATOR BOILER	2.500 MMBTU/HR	
		2,380.000 CF/HR	Natural Gas
101	TUBE STRAIGHTENERS	24.000 Lbs/HR	SOLVENT
109	BATCH VAPOR DEGREASER	2.000 Gal/HR	METH CHLOR
110	EMERGENCY GENERATOR	100.000 CF/HR	Natural Gas
111	BATCH VAPOR DEGREASER	0.200 Gal/HR	METH CHLOR
113	PARTS WASHERS		
702	700 FURNACE WITH CARBON MONOXIDE GENERATOR	1,619.000 CF/HR	FURNACE
		1,429.000 CF/HR	CO ATMOSPHERE GENEI
		N/A	Natural Gas
703	900 FURNACE WITH CARBON MONOXIDE GENERATOR	4,190.000 CF/HR	FURNACE
		2,380.000 CF/HR	CO ATMOSPHERE GENEI
		N/A	Natural Gas
FML01	NATURAL GAS		
S10	EMER. GEN. STACK		
S102A	700 FURNACE MAIN STACK A		
S102B	700 FURNACE MAIN STACK B		
S102C	700 FURNACE/ATMOSPHERE GENERATOR FRONT STACK		
S102D	700 FURNACE/ATMOSPHERE GENERATOR REAR STACK		
S102E	700 FURNACE TUBE FEED BED EXHAUST		
S103	900 FURNACE STACK		
S106	BOILER STACK		
S203	900 FURNACE TUBE FEED STACK		
Z01	FUGITIVE EMISSIONS		
Z13	PARTS WASHERS FUGITIVES		

PERMIT MAPS



PERMIT MAPS



SECTION B. General Title V Requirements

#001 [25 Pa. Code § 121.1]

Definitions

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

#002 [25 Pa. Code § 121.7]

Prohibition of Air Pollution

No person may permit air pollution as that term is defined in the act.

#003 [25 Pa. Code § 127.512(c)(4)]

Property Rights

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

#004 [25 Pa. Code § 127.446(a) and (c)]

Permit Expiration

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

#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]

Permit Renewal

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

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

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

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

#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]

Transfer of Ownership or Operational Control

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

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

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

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

SECTION B. General Title V Requirements

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

#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]

Inspection and Entry

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

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

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

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

#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]

Compliance Requirements

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

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

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

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

#009 [25 Pa. Code § 127.512(c)(2)]

Need to Halt or Reduce Activity Not a Defense

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

#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]

Duty to Provide Information

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or

SECTION B. General Title V Requirements

to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]

Reopening and Revising the Title V Permit for Cause

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#012 [25 Pa. Code § 127.543]

Reopening a Title V Permit for Cause by EPA

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

#013 [25 Pa. Code § 127.522(a)]

Operating Permit Application Review by the EPA

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#014 [25 Pa. Code § 127.541]

Significant Operating Permit Modifications

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

SECTION B. General Title V Requirements

25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#015 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#016 [25 Pa. Code § 127.450]

Administrative Operating Permit Amendments

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

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

#017 [25 Pa. Code § 127.512(b)]

Severability Clause

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

#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]

Fee Payment

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

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(e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.

(f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#019 [25 Pa. Code §§ 127.14(b) & 127.449]

Authorization for De Minimis Emission Increases

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#020 [25 Pa. Code §§ 127.11a & 127.215]

Reactivation of Sources

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

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

#021 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

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

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

SECTION B. General Title V Requirements

the device or technique may be used for control of malodors.

#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]**Submissions**

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

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

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

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

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

#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]**Sampling, Testing and Monitoring Procedures**

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

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

#024 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

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

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

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

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

#025 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]**Reporting Requirements**

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#026 [25 Pa. Code § 127.513]**Compliance Certification**

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #022 of this section.

#027 [25 Pa. Code § 127.3]**Operational Flexibility**

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

- (1) Section 127.14 (relating to exemptions)

SECTION B. General Title V Requirements

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

#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]

Risk Management

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

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

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

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

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

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

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

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

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

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

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

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

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

SECTION B. General Title V Requirements

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #26 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#029 [25 Pa. Code § 127.512(e)]

Approved Economic Incentives and Emission Trading Programs

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

#030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]

Permit Shield

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

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

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

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

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

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

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

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

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

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §121.7]

Prohibition of air pollution.

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

002 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations, as specified in 25 Pa. Code § 129.14;
- (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 that fugitive emissions from the source, after appropriate controls, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution; and
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [25 Pa. Code §123.2]

Fugitive particulate matter

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

004 [25 Pa. Code §123.31]

Limitations

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

005 [25 Pa. Code §123.41]

Limitations

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

- (a) Equal to or greater than 20% for a period or periods aggregating more than three(3) minutes in any one (1) hour.
- (b) Equal to or greater than 60% at any time.

006 [25 Pa. Code §123.42]

Exceptions

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

- (a) When the presence of uncombined water is the only reason for failure to meet the limitations.

SECTION C. Site Level Requirements

(b) When the emission results from the sources specified in Condition #002 of this section.

(c) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.91-129.95]

The permittee shall limit facility wide VOC emissions to less than 25 tons per year, based on 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 except 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.

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

(a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in this permit, may be in excess of the limitations specified in this permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).

(b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions 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.

SECTION C. Site Level Requirements

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (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.
- (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 (if applicable), complaints, monitoring results, and/or Department findings.

IV. RECORDKEEPING REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.95(e)]

The permittee shall maintain records that clearly demonstrate to the Department that the facility is not subject to the RACT requirements of 25 Pa. Code §§ 129.91-129.94. Records shall include monthly and 12-month rolling sums of facility-wide VOC emissions.

[This permit condition streamlines compliance with 25 Pa. Code § 129.100(f).]

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (a) emissions increase of minor significance without notification to the Department.
- (b) de minimis increases with notification to the Department, via letter.

SECTION C. Site Level Requirements

- (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.

V. REPORTING 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 § 127.511.]

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

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

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

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

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall submit the following reports:

(a) An annual certificate of compliance, due by April 1st of each year, for the period covering January 1 through December 31 of the previous year. This certificate of compliance shall document compliance with all permit terms and conditions set forth in this Title V permit as required under condition #24 of section B of this permit.

The annual certificate of compliance shall be submitted to the Department in paper form, and EPA Region III in electronic form at the following email address:

R3_APD_Permits@epa.gov

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

017 [25 Pa. Code §135.21]

Emission statements

The permittee shall submit, by March 1 of each year, an annual emission statement for the preceding calendar year.

018 [25 Pa. Code §135.3]

Reporting

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

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

SECTION C. Site Level Requirements

previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported, including those sources listed in the Miscellaneous Section of this permit.

The permittee may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.

019 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

A person responsible for any source specified in Condition #002 of this section shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but are not limited to the following:

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

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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 #017(g), of Section B, of this permit.

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.



SECTION C. Site Level Requirements

No compliance milestones exist.

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

SECTION D. Source Level Requirements

Source ID: 106

Source Name: EVAPORATOR BOILER

Source Capacity/Throughput: 2.500 MMBTU/HR

2,380.000 CF/HR

Natural Gas

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]**

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

What records must I keep?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

The permittee shall maintain a copy of each notification and report that has been submitted to comply with 40 CFR Part 63 Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that has been submitted, according to 40 CFR § 63.7555(a)(1).

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]

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

In what form and how long must I keep my records?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

(a) The permittee shall keep records in a form suitable and readily available for expeditious review.

(b) The permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) The permittee shall keep each record on site, or records must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee may keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]**

SECTION D. Source Level Requirements**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

(a) The permittee shall submit a Notification of Compliance Status before the close of business on the 60th day following the completion of the initial tune-up and one-time energy assessment, according to 40 CFR § 63.7545(e).

(b) The Notification of Compliance Status shall contain the following information:

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under Section 241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of Section 241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) A signed certification that you have met all applicable work practice standards.

(3) If you had a deviation from the work practice standard, you must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.

(4) In addition to the information required in 40 C.F.R. § 63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official: "This facility complies with the required initial tune-up according to the procedures in 40 C.F.R. § 63.7540(a)(10)(i) through (vi)."

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What reports must I submit and when?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

The permittee shall submit a 5-year compliance report, instead of a semi-annual compliance report, according to 40 CFR § 63.7550(b)(1) - (4), as follows:

(a) The first compliance report must cover the period beginning on January 31, 2016 and ending on January 31, 2021.

(b) The first 5-year compliance report must be postmarked or submitted no later than January 31, 2021.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What reports must I submit and when?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

The permittee shall include the following information in the 5-year compliance report, according to 40 CFR § 63.7550(c)(1):

(a) Company and Facility name and address.

(b) Process unit information, emissions limitations, and operating parameter limitations.

(c) Date of report and beginning and ending dates of the reporting period.

(d) The total operating time during the reporting period.

SECTION D. Source Level Requirements

(e) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct a 5-year tune-up. Include the date of the most recent burner inspection if it was not done on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

VI. WORK PRACTICE 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 § 129.93.]

This source shall be operated and maintained in accordance with manufacturer's specifications.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

What emission limits, work practice standards, and operating limits must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

(a) No later than January 31, 2016, the permittee shall conduct a tune-up of this source once every 5 years, in accordance with 40 CFR § 63.7500(a)(1) and Item No. 1 of Table 3 to 40 CFR Part 63 Subpart DDDDD.

(b) The permittee shall conduct each 5-year performance tune-up no more than 61 months after the previous tune-up, according to 40 CFR § 63.7515(d).

(c) No later than January 31, 2016, the permittee shall conduct a one-time energy assessment performed by a qualified energy assessor, in accordance with 40 CFR § 63.7500(e) and Item No. 4 of Table 3 to 40 CFR Part 63 Subpart DDDDD.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

What emission limits, work practice standards, and operating limits must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

The permittee shall operate and maintain this source, including associated air pollution control equipment and monitoring equipment as applicable, in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

What emission limits, work practice standards, and operating limits must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

(a) The one-time energy assessment performed by a qualified energy assessor shall meet the following requirements, according to 40 CFR § 63.7500(e) and Item No. 4 of Table 3 to 40 CFR Part 63 Subpart DDDDD:

(1) A visual inspection of the boiler or process heater system.

(2) An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.

(3) An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.

SECTION D. Source Level Requirements

- (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
- (5) A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified.
- (6) A list of cost-effective energy conservation measures that are within the facility's control.
- (7) A list of the energy savings potential of the energy conservation measures identified.
- (8) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.
- (b) An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the above energy assessment requirements, satisfies the energy assessment requirement.
- (c) A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

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

How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

No later than January 31, 2016, the permittee shall conduct a tune-up of this source every 5 years as specified below to demonstrate continuous compliance, in accordance with 40 CFR § 63.7540(a)(12). The permittee may delay the burner inspection until the next scheduled or unscheduled unit shut-down, but the permittee must inspect each burner at least once every 72 months.

- (a) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown).
- (b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown).
- (d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available.
- (e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and
- (f) Maintain on-site and submit, if requested by the Administrator, an annual report containing the following information:
 - (1) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;
 - (2) A description of any corrective actions taken as a part of the tune-up.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

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

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

SECTION D. Source Level Requirements

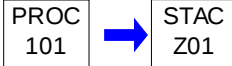
Source ID: 101

Source Name: TUBE STRAIGHTENERS

Source Capacity/Throughput:

24.000 Lbs/HR

SOLVENT

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

001 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the total amount and type of solvent used on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall record the total amount and type of solvent used on a monthly basis.

(b) The permittee shall maintain a SDS data sheet which provides the solvent name, manufacturer identification, and VOC content of each solvent used in the units contained in Source ID 101.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

003 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall store cleaning solvent in closed containers at all times except when dispensing.

004 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Solvent laden rags shall be stored in closed containers and disposed of in accordance with Department-approved methods.

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of eleven (11) tube straighteners.

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

SECTION D. Source Level Requirements

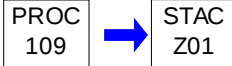
Source ID: 109

Source Name: BATCH VAPOR DEGREASER

Source Capacity/Throughput:

2.000 Gal/HR

METH CHLOR



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit HAP emissions from this source to 23.8 tons per year, based on a 12-month rolling sum.

Throughput Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority of this permit condition is also derived from 25 Pa. Code § 129.91]

The degreasing solvent in this degreaser is limited to methylene chloride only. Any change in the use of solvent shall have prior approval of the Department.

Control Device Efficiencies Restriction(s).

003 [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

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

The permittee shall employ the following control combination for this batch vapor degreaser with a solvent/air interface greater than 13 square feet (this source's solvent/air interface = 37.5 square feet), according to 40 CFR § 63.463(b)(2)(i), Table 2, Option 1:

(a) Freeboard refrigeration device,

(b) Superheated vapor,

(c) Freeboard ratio of 1.0 [condition (c) streamlines compliance with 40 CFR § 63.463(a)(2) and 25 Pa. Code § 129.63(b)(1)(ii)].

[This permit condition streamlines compliance with 25 Pa. Code § 129.63(b)(3)(i).]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.466]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Monitoring procedures

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

(a) The permittee shall monitor the following parameters on a weekly basis, according to 40 CFR § 63.466(a)(1) and (2) and

SECTION D. Source Level Requirements

§ 63.463(e)(1):

(1) The permittee shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode.

(2) The permittee shall use a thermometer or thermocouple to measure the temperature at the center of the superheated solvent vapor zone while the solvent cleaning machine is in the idling mode.

(b) The permittee shall monitor the following parameters on a monthly basis, according to 40 CFR § 63.466(b) and § 63.463(e)(1):

(1) The permittee shall conduct a visual inspection to determine if the cover is opening and closing properly, completely covers the cleaning machine openings when closed, and is free of cracks, holes, and other defects.

(2) The permittee shall monitor the hoist speed as follows:

(i) 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).

(ii) The monitoring shall be conducted monthly. If after the first year, no exceedances of the hoist speed are measured, the permittee may begin monitoring the hoist speed quarterly.

(iii) 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.

(iv) If the permittee can demonstrate to the Department's satisfaction in the initial compliance report that the hoist cannot exceed a speed of 3.4 meters per minute (11 feet per minute), the required monitoring frequency is quarterly, including during the first year of compliance.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain annual records of HAP emissions for each individual solvent cleaning machine.

(b) The permittee shall maintain annual records of the potential to emit HAPs for all solvent cleaning operations at the facility.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.467]

**Subpart T--National Emission Standards for Halogenated Solvent Cleaning
Recordkeeping requirements**

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

The permittee shall maintain records in written or electronic form specified below, according to 40 CFR § 63.467(a), for the lifetime of the machine.

(1) Owner's manuals, or if not available, written maintenance and operating procedures, for the solvent cleaning machine and control equipment.

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

(3) Records of the halogenated HAP solvent content for each solvent used in a solvent cleaning machine subject to the provisions of this subpart.

SECTION D. Source Level Requirements**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.467]****Subpart T--National Emission Standards for Halogenated Solvent Cleaning
Recordkeeping requirements**

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

The permittee shall maintain records of annual solvent consumption for each solvent cleaning machine, according to 40 CFR § 63.467(b)(3).

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.467]**Subpart T--National Emission Standards for Halogenated Solvent Cleaning
Recordkeeping requirements**

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

(a) The permittee shall record the following parameters on a weekly basis, according to 40 CFR § 63.467(b), § 63.466(a)(1) and (2) and § 63.463(e)(1):

(1) The temperature at the center of the air blanket during the idling mode.

(2) The temperature at the center of the superheated solvent vapor zone while the solvent cleaning machine is in the idling mode.

(b) The permittee shall record the following parameters on a monthly basis, according to 40 CFR § 63.467(b), § 63.466(b) and § 63.463(e)(1):

(1) The visual inspection to determine if the cover is opening and closing properly, completely covers the cleaning machine openings when closed, and is free of cracks, holes, and other defects.

(2) The permittee shall record the hoist speed as follows:

(i) 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).

(ii) The recordkeeping shall be conducted monthly. If after the first year, no exceedances of the hoist speed are measured, the permittee may begin recording the hoist speed quarterly.

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

(iv) If the permittee can demonstrate to the Department's satisfaction in the initial compliance report that the hoist cannot exceed a speed of 3.4 meters per minute (11 feet per minute), the required recordkeeping frequency is quarterly, including during the first year of compliance.

V. REPORTING REQUIREMENTS.**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.468]****Subpart T--National Emission Standards for Halogenated Solvent Cleaning
Reporting requirements**

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

The permittee shall submit an annual report by February 1 of the year following the one for which the reporting is being made. This report shall include the following requirements, according to 40 CFR § 63.468(f)(1) and (2):

(a) A signed statement from the facility owner or his designee stating that, "All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required in 40 CFR § 63.463(d)(10)."

SECTION D. Source Level Requirements

(b) An estimate of solvent consumption for each solvent cleaning machine during the reporting period.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.468]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning Reporting requirements

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

The permittee shall submit an exceedance report to the Department semi-annually except when, the Department 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 permittee shall follow a quarterly reporting format until a request to reduce reporting frequency is approved. 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 applicable information as follows, according to 40 CFR § 63.468(h)(1)-(3) and § 63.463(e)(4):

(a) Information on the actions taken to comply with the chilled air temperature and the idling-mode cover operated and maintained properly (in accordance with 40 CFR § 63.463(e)(2). 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 acceptable levels.

(b) If an exceedance had occurred, the reason for the exceedance and a description of the actions taken.

(c) 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.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.468]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning Reporting requirements

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

The permittee who is required to submit an exceedance report on a quarterly (or more frequent) basis may reduce the frequency of reporting to semi-annual if the following conditions are met, according to 40 CFR § 63.468(i)(1)-(3) and § 63.463(e)(4):

(a) The source has demonstrated a full year of compliance without an exceedance.

(b) The permittee continues to comply with all relevant recordkeeping and monitoring requirements specified in subpart A and this subpart (T).

(c) The Department does not object to a reduced frequency of reporting for the affected source.

VI. WORK PRACTICE REQUIREMENTS.

012 [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

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

The permittee shall meet all of the following required work practice standards and operational practices specified below, pursuant to 40 CFR 63 Subpart T, Section 63.463(d)(1)-(12):

(a) Control air disturbances across the cleaning machine opening(s) by use of a cover that shall be in place during the idling mode, and during the downtime mode unless either the solvent has been removed from the machine or maintenance or monitoring is being performed that requires the cover to not be in place.

SECTION D. Source Level Requirements

- (b) The parts baskets or the parts being cleaned in an batch vapor degreaser shall not occupy more than 50 percent of the solvent/air interface area unless the parts baskets or parts are introduced at a speed of 0.9 meters per minute (3 feet per minute) or less.
- (c) Any spraying operations shall be done within the vapor zone or within a section of the solvent cleaning machine what is not directly exposed to the ambient air (i.e. a baffled or enclosed are of the solvent cleaning machine).
- (d) 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 any solvent cleaning machine unless an equally effective approach has been approved by the Administrator.
- (e) Parts baskets or parts shall not be removed from any vapor degreaser until dripping has stopped.
- (f) During startup of each vapor degreaser, the primary condenser shall be turned on before the sump heater.
- (g) During shutdown of vapor degreaser, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off.
- (h) When solvent is added or drained from any degreaser, the solvent shall be transferred using threaded or other leakproof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface.
- (i) Degreaser and associated controls shall be maintained as recommended by the manufacturers of the equipment or using alternative maintenance practices that have been demonstrated to the Administrator's satisfaction to achieve the same or better results as those recommended by the manufacturer.
- (j) Each operator of a degreaser shall complete and pass the applicable sections of the test of 'solvent cleaning operating procedures' if requested during an inspection by the Administrator.
- (k) Waste solvent, still bottoms, and sump bottoms shall be collected and stored in closed containers. The closed containers may contain a device that would allow pressure relief, but would not allow liquid solvent to drain from the container.
- (l) Sponges, fabric, wood, and paper products shall not be cleaned.

[This condition streamlines compliance with 25 Pa. Code § 129.63(b)(4)]

013 [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

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

The permittee shall conform to the following design requirements, according to 40 CFR § 63.463(a)(1) through (6):

- (1) Each cleaning machine shall be designed with an idling and downtime mode cover, that may be readily opened or closed, that completely covers the cleaning machine openings when in place, and is free of cracks, holes, and other defects. [Also demonstrates compliance with 40 CFR § 63.463(e)(2)(iv)(A) and (B).]
- (2) Each cleaning machine shall have an automated parts handling system capable of moving parts or parts baskets at a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts.
- (3) Each vapor cleaning machine shall be equipped with a device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils. This requirement does not apply to a vapor cleaning machine that uses steam to heat the solvent.
- (4) Each vapor cleaning machine shall be equipped with a vapor level control device that shuts off sump heat if the vapor

SECTION D. Source Level Requirements

level in the vapor cleaning machine rises above the height of the primary condenser.

(5) Each vapor cleaning machine shall have a primary condenser.

[This condition streamlines compliance with 25 Pa. Code § 129.63(b)(1)]

014 [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

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

The permittee shall ensure that the chilled air blanket temperature, measured at the center of the air blanket, is no greater than 30 percent of the solvent's boiling point, pursuant to 40 CFR § 63.463(e)(2)(i).

[The boiling point of methylene chloride = 40.0°C, 313 K, 104°F; 30% of methylene chloride's boiling point = 31.2°F, which is equivalent to -0.444°C or 273 K]

015 [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

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

(a) An exceedance has occurred if the following has not been met, according to 40 CFR § 63.463(e)(3)(i): the cover is in place whenever parts are not in the solvent cleaning machine and completely covers the cleaning machine openings when in place.

(b) An exceedance has occurred if the following has not been met and are not corrected in 15 days of detection, according to 40 CFR § 63.463(e)(3)(ii):

(1) The chilled air blanket temperature, measured at the center of the air blanket, is no greater than 30% of the solvent's boiling point,

(2) The idling-mode cover is maintained free of cracks, holes and other defects.

016 [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

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

(a) The permittee shall ensure that the temperature of the solvent vapor at the center of the superheated vapor zone is at least 10°F above the solvent's boiling point, pursuant to 40 CFR § 63.463(e)(2)(vi)(A).

[The boiling point of methylene chloride = 104°F; therefore, the temperature of the solvent vapor at the center of the superheated vapor zone is at least 114°F]

(b) The permittee shall ensure that the manufacturer's specifications for determining the minimum proper dwell time within the superheated vapor system is followed, pursuant to 40 CFR § 63.463(e)(2)(vi)(B).

[DEP acknowledges that the manufacturer's specifications do not specify the minimum proper dwell time within the superheated vapor system]

(c) The permittee shall ensure that parts remain within the superheated vapor for at least the minimum proper dwell time, pursuant to 40 CFR § 63.463(e)(2)(vi)(C).

[DEP accepts the facility's determination of the minimum proper dwell time based upon experiments performed by the

SECTION D. Source Level Requirements

factivity to ensure liquid solvent is not being removed from the degreaser during parts removal]

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.465]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Test methods

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

The permittee shall determine their potential to emit from all solvent cleaning operations, using the following procedures. A facility's potential to emit is the sum of the HAP emissions from all solvent cleaning operations, plus all HAP emissions from other sources within the facility, according to 40 CFR § 63.465(e)(1) and (3).

(a) Determine the potential to emit for each individual solvent cleaning machine using the following equation:

$$PTE_i = H_i * W_i * SA_{li}$$

where:

PTE_i = the potential to emit for solvent cleaning machine i (kilograms of solvent per year);

H_i = hours of operation for solvent cleaning machine i (hours per year) (=8760 hours per year unless otherwise restricted by a Federally enforceable requirement);

W_i = the working mode uncontrolled emission rate (kilograms per square meter per hour) (=1.95 kg/m²/hr for batch vapor cleaning machines);

SA_{li} = solvent/air interface area of solvent cleaning machine i (square meters).

(b) Sum the PTE_i for all solvent cleaning operations to obtain the total potential to emit for solvent cleaning operations at the facility.

VII. ADDITIONAL REQUIREMENTS.

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

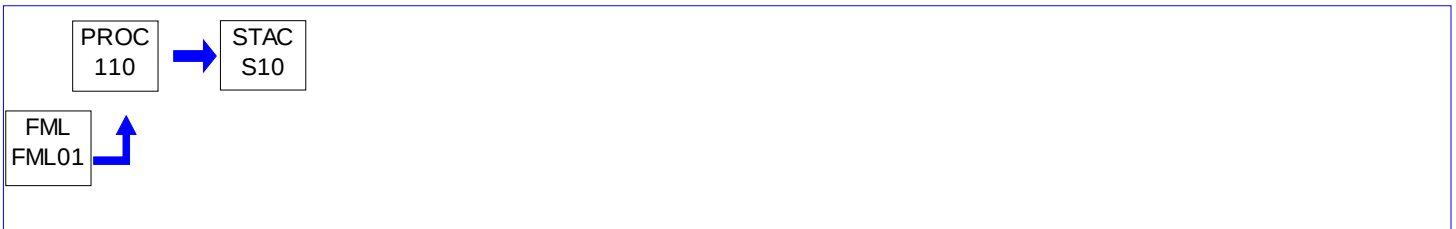
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 110

Source Name: EMERGENCY GENERATOR

Source Capacity/Throughput: 100.000 CF/HR Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this emergency generator at any time, in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall use only natural gas in this emergency generator.

Operation Hours Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority of this permit condition is also derived from 25 Pa. Code § 129.93(5) - Presumptive RACT]

The hours of operation for this emergency generator shall not exceed 500 hours in any twelve (12) consecutive month period.

[Compliance with this condition demonstrates compliance with 25 Pa. Code § 129.97(c)(8)]

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall operate the emergency stationary RICE as follows, according to 40 CFR § 63.6640(f)(2)(i):

(a) No more than one hundred (100) hours per year for maintenance checks and readiness testing as required by the manufacturer, insurance company, or government agency; and

(b) No more than fifty (50) hours in non-emergency situations, but these fifty must be counted toward the 100 hours for maintenance and readiness testing. These 50 hours cannot be used for peak shaving or to generate income by supplying power as part of a financial arrangement with another entity.

SECTION D. Source Level Requirements**II. TESTING REQUIREMENTS.**

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

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall monitor the run time of this engine by using a non-resettable hour meter.

[Compliance with this condition demonstrates compliance with 25 Pa. Code § 129.100(d)]

IV. RECORDKEEPING REQUIREMENTS.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**What records must I keep?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The following recordkeeping requirements will apply to this engine, according to 40 CFR § 63.6655(f):

(a) The permittee shall keep records of the hours of operation (12-month rolling sums) of the engines that is recorded through non-resettable hour meters.

[Compliance with this condition demonstrates compliance with 25 Pa. Code § 129.95]

(b) The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**What records must I keep?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the source is operated and maintained according to a maintenance plan, according to 40 CFR § 63.6655(e)(2).

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.93]

The permittee shall maintain and operate this emergency generator in accordance with manufacturer's specifications, according to 25 Pa. Code § 129.93(c)(5).

SECTION D. Source Level Requirements

[Compliance with this condition demonstrates compliance with 40 CFR § 63.6625(e)(2) & 40 CFR § 63.6640(a), Table 6, item #9.]

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall perform the following work practice standards, according to 40 CFR § 63.6602 and Table 2c of Subpart ZZZZ:

- (a) Change oil and filter every 500 hours of operation or annually, whichever comes first,
- (b) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first,
- (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

The permittee has the option to utilize an oil analysis program as described in 40 CFR § 63.6625(j) in order to extend the specified oil change requirement in (a) above.

VII. ADDITIONAL REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of one (1) Onan, natural gas fired, 70 kW, 182 hp emergency generator, S/N #B790393524; IH Model V549 engine.

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

SECTION D. Source Level Requirements

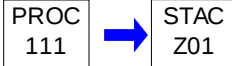
Source ID: 111

Source Name: BATCH VAPOR DEGREASER

Source Capacity/Throughput:

0.200 Gal/HR

METH CHLOR



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit HAP emissions from this source to 3.3 tons per year, based on a 12-month rolling sum.

Throughput Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority of this permit condition is also derived from 25 Pa. Code § 129.91]

The degreasing solvent in this degreaser is limited to methylene chloride only. Any change in the use of solvent shall have prior approval of the Department.

Control Device Efficiencies Restriction(s).

003 [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

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

The permittee shall employ the following control combination for this batch vapor degreaser with a solvent/air interface less than 13 square feet (this source's solvent/air interface = 7.8 square feet), according to 40 CFR § 63.463(b)(1)(i), Table 1, Option 6:

(a) Freeboard refrigeration device

(b) Freeboard ratio of 1.0 [condition (b) streamlines compliance with 40 CFR § 63.463(a)(2) and 25 Pa. Code § 129.63(b)(1)(ii)].

[This permit condition streamlines compliance with 25 Pa. Code § 129.63(b)(2)(vi)].

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.466]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Monitoring procedures

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

(a) The permittee shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode, on a weekly basis, according to 40 CFR § 63.466(a)(1) and § 63.463(e)(1).

SECTION D. Source Level Requirements

(b) The permittee shall monitor the following parameters on a monthly basis, according to 40 CFR § 63.466(b) and § 63.463(e)(1):

(1) The permittee shall conduct a visual inspection to determine if the cover is opening and closing properly, completely covers the cleaning machine openings when closed, and is free of cracks, holes, and other defects.

(2) The permittee shall monitor the hoist speed as follows:

(i) 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).

(ii) The monitoring shall be conducted monthly. If after the first year, no exceedances of the hoist speed are measured, the permittee may begin monitoring the hoist speed quarterly.

(iii) 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.

(iv) If the permittee can demonstrate to the Department's satisfaction in the initial compliance report that the hoist cannot exceed a speed of 3.4 meters per minute (11 feet per minute), the required monitoring frequency is quarterly, including during the first year of compliance.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain annual records of HAP emissions for each individual solvent cleaning machine.

(b) The permittee shall maintain annual records of the potential to emit HAPs for all solvent cleaning operations at the facility.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.467]

**Subpart T--National Emission Standards for Halogenated Solvent Cleaning
Recordkeeping requirements**

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

The permittee shall maintain records in written or electronic form specified below, according to 40 CFR § 63.467(a), for the lifetime of the machine.

(1) Owner's manuals, or if not available, written maintenance and operating procedures, for the solvent cleaning machine and control equipment.

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

(3) Records of the halogenated HAP solvent content for each solvent used in a solvent cleaning machine subject to the provisions of this subpart.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.467]

**Subpart T--National Emission Standards for Halogenated Solvent Cleaning
Recordkeeping requirements**

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

The permittee shall maintain records of annual solvent consumption for each solvent cleaning machine, according to 40 CFR § 63.467(b)(3).

SECTION D. Source Level Requirements

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.467]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning Recordkeeping requirements

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

(a) The permittee shall record the temperature at the center of the air blanket during the idling mode on a weekly basis, according to 40 CFR § 63.467(b), § 63.466(a)(1) and § 63.463(e)(1):

(b) The permittee shall record the following parameters on a monthly basis, according to 40 CFR § 63.467(b), 63.466(b) and § 63.463(e)(1):

(1) The visual inspection to determine if the cover is opening and closing properly, completely covers the cleaning machine openings when closed, and is free of cracks, holes, and other defects.

(2) The permittee shall record the hoist speed as follows:

(i) 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).

(ii) The recordkeeping shall be conducted monthly. If after the first year, no exceedances of the hoist speed are measured, the permittee may begin recording the hoist speed quarterly.

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

(iv) If the permittee can demonstrate to the Department's satisfaction in the initial compliance report that the hoist cannot exceed a speed of 3.4 meters per minute (11 feet per minute), the required recordkeeping frequency is quarterly, including during the first year of compliance.

V. REPORTING REQUIREMENTS.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.468]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning Reporting requirements

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

The permittee shall submit an annual report by February 1 of the year following the one for which the reporting is being made. This report shall include the following requirements, according to 40 CFR § 63.468(f)(1) and (2):

(a) A signed statement from the facility owner or his designee stating that, "All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required in 40 CFR § 63.463(d)(10)."

(b) An estimate of solvent consumption for each solvent cleaning machine during the reporting period.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.468]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning Reporting requirements

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

The permittee shall submit an exceedance report to the Department semi-annually except when, the Department 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 permittee shall follow a quarterly reporting format until a request to reduce reporting frequency is approved. 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 applicable information as follows, according to 40 CFR § 63.468(h)(1)-(3) and § 63.463(e)(4):

SECTION D. Source Level Requirements

(a) Information on the actions taken to comply with the chilled air temperature and the idling-mode cover operated and maintained properly (in accordance with 40 CFR § 63.463(e)(2). 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 acceptable levels.

(b) If an exceedance had occurred, the reason for the exceedance and a description of the actions taken.

(c) 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.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.468] Subpart T--National Emission Standards for Halogenated Solvent Cleaning Reporting requirements

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

The permittee who is required to submit an exceedance report on a quarterly (or more frequent) basis may reduce the frequency of reporting to semi-annual if the following conditions are met, according to 40 CFR § 63.468(i)(1)-(3) and § 63.463(e)(4):

(a) The source has demonstrated a full year of compliance without an exceedance.

(b) The permittee continues to comply with all relevant recordkeeping and monitoring requirements specified in subpart A and this subpart (T).

(c) The Department does not object to a reduced frequency of reporting for the affected source.

VI. WORK PRACTICE REQUIREMENTS.

012 [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

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

The permittee shall meet all of the following required work practice standards and operational practices specified below, pursuant to 40 CFR 63 Subpart T, Section 63.463(d)(1)-(12):

(a) Control air disturbances across the cleaning machine opening(s) by use of a cover that shall be in place during the idling mode, and during the downtime mode unless either the solvent has been removed from the machine or maintenance or monitoring is being performed that requires the cover to not be in place.

(b) The parts baskets or the parts being cleaned in an batch vapor degreaser shall not occupy more than 50 percent of the solvent/air interface area unless the parts baskets or parts are introduced at a speed of 0.9 meters per minute (3 feet per minute) or less.

(c) Any spraying operations shall be done within the vapor zone or within a section of the solvent cleaning machine what is not directly exposed to the ambient air (i.e. a baffled or enclosed are of the solvent cleaning machine).

(d) 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 any solvent cleaning machine unless an equally effective approach has been approved by the Administrator.

(e) Parts baskets or parts shall not be removed from any vapor degreaser until dripping has stopped.

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

(g) During shutdown of vapor degreaser, the sump heater shall be turned off and the solvent vapor layer allowed to collapse

SECTION D. Source Level Requirements

before the primary condenser is turned off.

(h) When solvent is added or drained from any degreaser, the solvent shall be transferred using threaded or other leakproof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface.

(i) Degreaser and associated controls shall be maintained as recommended by the manufacturers of the equipment or using alternative maintenance practices that have been demonstrated to the Administrator's satisfaction to achieve the same or better results as those recommended by the manufacturer.

(j) Each operator of a degreaser shall complete and pass the applicable sections of the test of 'solvent cleaning operating procedures' if requested during an inspection by the Administrator.

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

(l) Sponges, fabric, wood, and paper products shall not be cleaned.

[This condition streamlines compliance with 25 Pa. Code § 129.63(b)(4)]

013 [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

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

The permittee shall conform to the following design requirements, according to 40 CFR § 63.463(a)(1) through (6):

(1) Each cleaning machine shall be designed with an idling and downtime mode cover, that may be readily opened or closed, that completely covers the cleaning machine openings when in place, and is free of cracks, holes, and other defects. [Also demonstrates compliance with 40 CFR § 63.463(e)(2)(iv)(A) and (B).]

(2) Each cleaning machine shall have an automated parts handling system capable of moving parts or parts baskets at a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts.

(3) Each vapor cleaning machine shall be equipped with a device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils. This requirement does not apply to a vapor cleaning machine that uses steam to heat the solvent.

(4) Each vapor cleaning machine shall be equipped with a vapor level control device that shuts off sump heat if the vapor level in the vapor cleaning machine rises above the height of the primary condenser.

(5) Each vapor cleaning machine shall have a primary condenser.

[This condition streamlines compliance with 25 Pa. Code § 129.63(b)(1)]

014 [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

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

The permittee shall ensure that the chilled air blanket temperature, measured at the center of the air blanket, is no greater than 30 percent of the solvent's boiling point, pursuant to 40 CFR § 63.463(e)(2)(i).

[The boiling point of methylene chloride = 40.0°C, 313 K, 104°F; 30% of methylene chloride's boiling point = 31.2°F, which is equivalent to -0.444°C or 273 K]

SECTION D. Source Level Requirements

015 [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

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

(a) An exceedance has occurred if the following has not been met, according to 40 CFR § 63.463(e)(3)(i): the cover is in place whenever parts are not in the solvent cleaning machine and completely covers the cleaning machine openings when in place.

(b) An exceedance has occurred if the following has not been met and are not corrected in 15 days of detection, according to 40 CFR § 63.463(e)(3)(ii):

(1) The chilled air blanket temperature, measured at the center of the air blanket, is no greater than 30% of the solvent's boiling point,

(2) The idling-mode cover is maintained free of cracks, holes and other defects.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.465]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Test methods

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

The permittee shall determine their potential to emit from all solvent cleaning operations, using the following procedures. A facility's potential to emit is the sum of the HAP emissions from all solvent cleaning operations, plus all HAP emissions from other sources within the facility, according to 40 CFR § 63.465(e)(1) and (3).

(a) Determine the potential to emit for each individual solvent cleaning machine using the following equation:

$$PTE_i = H_i * W_i * SAI_i$$

where:

PTE_i = the potential to emit for solvent cleaning machine i (kilograms of solvent per year);

H_i = hours of operation for solvent cleaning machine i (hours per year) (=8760 hours per year unless otherwise restricted by a Federally enforceable requirement);

W_i = the working mode uncontrolled emission rate (kilograms per square meter per hour) (=1.95 kg/m²/hr for batch vapor cleaning machines);

SAI_i = solvent/air interface area of solvent cleaning machine i (square meters).

(b) Sum the PTE_i for all solvent cleaning operations to obtain the total potential to emit for solvent cleaning operations at the facility.

VII. ADDITIONAL REQUIREMENTS.

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

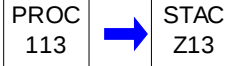
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 113

Source Name: PARTS WASHERS

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

The permittee shall perform the following recordkeeping for the parts washers:

(a) The permittee shall maintain records and provide to the Department, on request, the information specified below, pursuant to 25 Pa. Code § 129.63(a)(6):

- (1) The name and address of the solvent supplier.
- (2) The type of solvent including the product or vendor identification number.
- (3) The vapor pressure of the solvent measured in mm Hg at 20°C (68°F).

(b) An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this condition.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 002 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall perform the following work practice standards for the parts washers:

(a) The immersion cold cleaning machines shall have a permanent, conspicuous label summarizing the operating requirements contained in this permit for this source, pursuant to 25 Pa. Code § 129.63(a)(2)(i).

(b) The immersion 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, pursuant to 25 Pa. Code § 129.63(a)(2)(ii).

(c) The permittee shall maintain and operate the immersion cold cleaning machines with a freeboard ratio of 0.50 or greater, according to 25 Pa. Code § 129.63(a)(1).

SECTION D. Source Level Requirements

003 [25 Pa. Code §129.63]

Degreasing operations

The permittee shall perform the following work practice standards for the parts washers:

(a) The permittee shall ensure the following discretionary good operating practices, pursuant to 25 Pa. Code § 129.63(a)(2)(i)(A)-(C):

(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.

(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.

(b) The permittee shall operate the cold cleaning machines in accordance with the following procedures, pursuant to 25 Pa. Code § 129.63(a)(3):

(1) 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.

(2) 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.

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

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

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

004 [25 Pa. Code §129.63]

Degreasing operations

The permittee shall comply with one of the following for each immersion cold cleaning machine:

(a) A person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs, pursuant to 25 Pa. Code § 129.63(a)(4), OR

(b) The immersion cold cleaning machine shall have a freeboard ratio equal to or greater than 0.75, pursuant to 25 Pa. Code § 129.63(a)(7)(iii).

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source contains two (2) immersion cold cleaning parts washers.

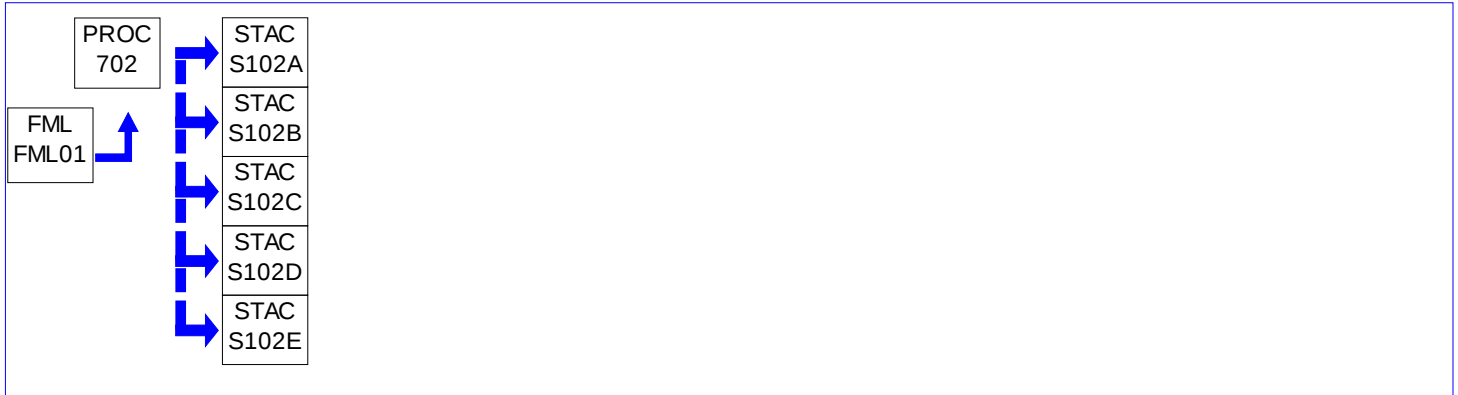
*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 702

Source Name: 700 FURNACE WITH CARBON MONOXIDE GENERATOR

Source Capacity/Throughput:	1,619.000 CF/HR	FURNACE
	1,429.000 CF/HR	CO ATMOSPHERE GENERATOR
	N/A	Natural Gas

**I. RESTRICTIONS.****Fuel Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

II. TESTING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall test the carbon monoxide concentration between the atmosphere generator and the furnace on a quarterly basis, using an indicator tube type concentration measurement device.

III. MONITORING 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 § 127.511]

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

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the air flow on a monthly basis, using an air feed guage at the inlet to the atmosphere generator.

IV. RECORDKEEPING 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 § 127.511]

The permittee shall record, using a Department approved method, the monitored amount of natural gas consumed by this furnace on a monthly basis.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

SECTION D. Source Level Requirements

The permittee shall maintain monthly records of the air flow to the atmosphere generator.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain quarterly records of the carbon monoxide concentrations between the generator and the furnace.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

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

What records must I keep?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

The permittee shall maintain a copy of each notification and report that has been submitted to comply with 40 CFR Part 63 Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that has been submitted, according to 40 CFR § 63.7555(a)(1).

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]

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

In what form and how long must I keep my records?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

(a) The permittee shall keep records in a form suitable and readily available for expeditious review.

(b) The permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) The permittee shall keep each record on site, or records must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee may keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

(a) The permittee shall submit a Notification of Compliance Status before the close of business on the 60th day following the completion of the initial tune-up and one-time energy assessment, according to 40 CFR § 63.7545(e).

(b) The Notification of Compliance Status shall contain the following information:

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under Section 241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of Section 241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) A signed certification that you have met all applicable work practice standards.

(3) If you had a deviation from the work practice standard, you must also submit a description of the deviation, the duration

SECTION D. Source Level Requirements

of the deviation, and the corrective action taken in the Notification of Compliance Status report.

(4) In addition to the information required in 40 C.F.R. § 63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official: "This facility complies with the required initial tune-up according to the procedures in 40 C.F.R. § 63.7540(a)(10)(i) through (vi)."

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

The permittee shall submit a 5-year compliance report, instead of a semi-annual compliance report, according to 40 CFR § 63.7550(b)(1) - (4), as follows:

(a) The first compliance report must cover the period beginning on January 31, 2016 and ending on January 31, 2021.

(b) The first 5-year compliance report must be postmarked or submitted no later than January 31, 2021.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

The permittee shall include the following information in the 5-year compliance report, according to 40 CFR § 63.7550(c)(1):

(a) Company and Facility name and address.

(b) Process unit information, emissions limitations, and operating parameter limitations.

(c) Date of report and beginning and ending dates of the reporting period.

(d) The total operating time during the reporting period.

(e) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct a 5-year tune-up. Include the date of the most recent burner inspection if it was not done on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

VI. WORK PRACTICE REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain this source in accordance with manufacturer's specifications and good engineering practices.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

What emission limits, work practice standards, and operating limits must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

(a) No later than January 31, 2016, the permittee shall conduct a tune-up of this source once every 5 years, in accordance with 40 CFR § 63.7500(a)(1) and Item No. 1 of Table 3 to 40 CFR Part 63 Subpart DDDDD.

SECTION D. Source Level Requirements

(b) The permittee shall conduct each 5-year performance tune-up no more than 61 months after the previous tune-up, according to 40 CFR § 63.7515(d).

(c) No later than January 31, 2016, the permittee shall conduct a one-time energy assessment performed by a qualified energy assessor, in accordance with 40 CFR § 63.7500(e) and Item No. 4 of Table 3 to 40 CFR Part 63 Subpart DDDDD.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

What emission limits, work practice standards, and operating limits must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

The permittee shall operate and maintain this source, including associated air pollution control equipment and monitoring equipment as applicable, in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

What emission limits, work practice standards, and operating limits must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

(a) The one-time energy assessment performed by a qualified energy assessor shall meet the following requirements, according to 40 CFR § 63.7500(e) and Item No. 4 of Table 3 to 40 CFR Part 63 Subpart DDDDD:

- (1) A visual inspection of the boiler or process heater system.
- (2) An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.
- (3) An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.
- (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
- (5) A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified.
- (6) A list of cost-effective energy conservation measures that are within the facility's control.
- (7) A list of the energy savings potential of the energy conservation measures identified.
- (8) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

(b) An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the above energy assessment requirements, satisfies the energy assessment requirement.

(c) A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

SECTION D. Source Level Requirements

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

How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

No later than January 31, 2016, the permittee shall conduct a tune-up of this source every 5 years as specified below to demonstrate continuous compliance, in accordance with 40 CFR § 63.7540(a)(12). The permittee may delay the burner inspection until the next scheduled or unscheduled unit shut-down, but the permittee must inspect each burner at least once every 72 months.

- (a) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown).
- (b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown).
- (d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available.
- (e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and
- (f) Maintain on-site and submit, if requested by the Administrator, an annual report containing the following information:
 - (1) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;
 - (2) A description of any corrective actions taken as a part of the tune-up.

VII. ADDITIONAL REQUIREMENTS.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) This annealing furnace consists of a 1.7 MMBtu/hr furnace and a 1.5 MMBtu/hr carbon monoxide atmosphere generator, both fed by natural gas.
- (b) The requirements of 40 CFR Part 63 Subpart DDDDD apply only to the furnace section of the annealing unit.

*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 703

Source Name: 900 FURNACE WITH CARBON MONOXIDE GENERATOR

Source Capacity/Throughput:	4,190.000 CF/HR	FURNACE
	2,380.000 CF/HR	CO ATMOSPHERE GENERATOR
	N/A	Natural Gas



I. RESTRICTIONS.

Fuel Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

II. TESTING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall test the carbon monoxide concentration between the atmosphere generator and the furnace on a quarterly basis, using an indicator tube type concentration measurement device.

III. MONITORING 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 § 127.511]

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

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the air flow on a monthly basis, using an air feed guage at the inlet to the atmosphere generator.

IV. RECORDKEEPING 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 § 127.511]

The permittee shall record, using a Department approved method, the monitored amount of natural gas consumed by this furnace on a monthly basis.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the air flow to the atmosphere generator.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain quarterly records of the carbon monoxide concentrations between the generator and the furnace.

SECTION D. Source Level Requirements

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

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

What records must I keep?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

The permittee shall maintain a copy of each notification and report that has been submitted to comply with 40 CFR Part 63 Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that has been submitted, according to 40 CFR § 63.7555(a)(1).

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]

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

In what form and how long must I keep my records?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

(a) The permittee shall keep records in a form suitable and readily available for expeditious review.

(b) The permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) The permittee shall keep each record on site, or records must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee may keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

(a) The permittee shall submit a Notification of Compliance Status before the close of business on the 60th day following the completion of the initial tune-up and one-time energy assessment, according to 40 CFR § 63.7545(e).

(b) The Notification of Compliance Status shall contain the following information:

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under Section 241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of Section 241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) A signed certification that you have met all applicable work practice standards.

(3) If you had a deviation from the work practice standard, you must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.

(4) In addition to the information required in 40 C.F.R. § 63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official: "This facility complies with the required initial tune-up according to the procedures in 40 C.F.R. § 63.7540(a)(10)(i) through (vi)."

SECTION D. Source Level Requirements

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

The permittee shall submit a 5-year compliance report, instead of a semi-annual compliance report, according to 40 CFR § 63.7550(b)(1) - (4), as follows:

- (a) The first compliance report must cover the period beginning on January 31, 2016 and ending on January 31, 2021.
- (b) The first 5-year compliance report must be postmarked or submitted no later than January 31, 2021.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

The permittee shall include the following information in the 5-year compliance report, according to 40 CFR § 63.7550(c)(1):

- (a) Company and Facility name and address.
- (b) Process unit information, emissions limitations, and operating parameter limitations.
- (c) Date of report and beginning and ending dates of the reporting period.
- (d) The total operating time during the reporting period.
- (e) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct a 5-year tune-up. Include the date of the most recent burner inspection if it was not done on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

VI. WORK PRACTICE REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain this source in accordance with manufacturer's specifications and good engineering practices.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

What emission limits, work practice standards, and operating limits must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

- (a) No later than January 31, 2016, the permittee shall conduct a tune-up of this source once every 5 years, in accordance with 40 CFR § 63.7500(a)(1) and Item No. 1 of Table 3 to 40 CFR Part 63 Subpart DDDDD.
- (b) The permittee shall conduct each 5-year performance tune-up no more than 61 months after the previous tune-up, according to 40 CFR § 63.7515(d).
- (c) No later than January 31, 2016, the permittee shall conduct a one-time energy assessment performed by a qualified energy assessor, in accordance with 40 CFR § 63.7500(e) and Item No. 4 of Table 3 to 40 CFR Part 63 Subpart DDDDD.

SECTION D. Source Level Requirements

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

What emission limits, work practice standards, and operating limits must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

The permittee shall operate and maintain this source, including associated air pollution control equipment and monitoring equipment as applicable, in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

What emission limits, work practice standards, and operating limits must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

(a) The one-time energy assessment performed by a qualified energy assessor shall meet the following requirements, according to 40 CFR § 63.7500(e) and Item No. 4 of Table 3 to 40 CFR Part 63 Subpart DDDDD:

- (1) A visual inspection of the boiler or process heater system.
- (2) An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.
- (3) An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.
- (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
- (5) A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified.
- (6) A list of cost-effective energy conservation measures that are within the facility's control.
- (7) A list of the energy savings potential of the energy conservation measures identified.
- (8) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

(b) An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the above energy assessment requirements, satisfies the energy assessment requirement.

(c) A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

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

How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35.]

SECTION D. Source Level Requirements

No later than January 31, 2016, the permittee shall conduct a tune-up of this source every 5 years as specified below to demonstrate continuous compliance, in accordance with 40 CFR § 63.7540(a)(12). The permittee may delay the burner inspection until the next scheduled or unscheduled unit shut-down, but the permittee must inspect each burner at least once every 72 months.

- (a) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown).
- (b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown).
- (d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available.
- (e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and
- (f) Maintain on-site and submit, if requested by the Administrator, an annual report containing the following information:
 - (1) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;
 - (2) A description of any corrective actions taken as a part of the tune-up.

VII. ADDITIONAL REQUIREMENTS.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) This annealing furnace consists of a 4.4 MMBtu/hr furnace and a 2.5 MMBtu/hr carbon monoxide atmosphere generator, both fed by natural gas.
- (b) The requirements of 40 CFR Part 63 Subpart DDDDD apply only to the furnace section of the annealing unit.

*** Permit Shield in Effect. ***



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION F. Emission Restriction Summary.

Source Id	Source Description		
109	BATCH VAPOR DEGREASER		
Emission Limit		Pollutant	
23.800	Tons/Yr	Hazardous Air Pollutants	
110	EMERGENCY GENERATOR		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	Particulate Matter	TSP
111	BATCH VAPOR DEGREASER		
Emission Limit		Pollutant	
3.300	Tons/Yr	Hazardous Air Pollutants	

Site Emission Restriction Summary

Emission Limit		Pollutant
24.900 Tons/Yr	12-month rolling basis	VOC

SECTION G. Miscellaneous.

(a) December 2001 - Initial TVOP Issuance - The previously issued Plan Approval PA-46-0047 (Degreasers Source ID 109 and 111) serves as a basis for certain terms and conditions in this Title V Operating Permit.

(b) The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C of this permit, do not require limitations, monitoring, or recordkeeping. The sources shall be operated and maintained according to manufacturer's specifications and according to good engineering practices.

- (1) Seven (7) Pickling Tanks
- (2) Sludge Dewatering and Wastewater Evaporation
- (3) Metal Cutting Machines
- (4) Processes Using Cutting and Drawing Oils
- (5) Furnace 504 is a 325-kW electric box furnace used for annealing, aging, and solution quenching of nonferrous metals.
- (6) Furnace 514 is a 150-kW electric box furnace used for aging of nonferrous metals.

(c) February 2004: This Title V Operating Permit has been modified accordingly: Minor Modification (Auth ID: 522463, APS ID: 498778) to incorporate the following changes:

(1) Switching fuel from No. 2 fuel oil to natural gas for the boiler (Source No. 104) ** April 2012 RENEWAL Permit - Source no longer in operation **

(2) Deleting Source No. 105 (small boiler)

(3) Changing Source No. 106 to reflect the replacement of the small boiler covered under RFD No. 46-A01-2103 filed on June 25, 2003

(4) Correcting the rated sizes of small combustion units (Sources Nos. 102, 104 and 107).

(d) December 2006: This Title V Permit is an administrative amendment (APS: 498778, AUTH: 629270) in order to make corrections at the 700 and 900 Furnaces and CO atmosphere generators. The sources were incorrectly classified as process (previously appearing as Source IDs 102 and 103) and have been corrected as combustion units (new Source IDs 702 and 703). The units have also been corrected to include the carbon monoxide atmosphere generators in the Source ID names and associated stacks have been added. The change also includes testing and recording carbon monoxide concentrations at Source ID 702 (700 Furnace and CO Atmosphere Generator) and Source ID 703 (900 Furnace and CO Atmosphere Generator).

(e) April 2007: This permit is the Title V Renewal (APS:498778, AUTH: 643258).

(1) Sources are not subjected to CAM and there are no new sources at this facility.

(2) There are no new federal regulations which apply to this facility. The applicable requirements of 40 CFR Part 63 Subpart T - National Emission Standards for Halogenated Solvent Cleaning - have been updated in this renewal for Source IDs 109 and 111, in Section D (Source Level). HAP emission limits from PA-46-0047 have also been added to each source, previously omitted in error.

(3) Work Practice Standards from State Regulation 25 Pa. Code § 129.63 Degreasing Operations apply to the parts washers, which now appear in Section D as Source ID 113.

(4) The following sources are considered insignificant and no longer appear in Section A (Site Inventory) and Section D (Source Level):

- (i) Source ID 104 - Boiler - 0.6 MMBtu/hr fired by natural gas ** April 2012 RENEWAL Permit - Source no longer in operation **
- (ii) Source ID 106 - Clever Brooks Evaporator Boiler - 2.5 MMBtu/hr fired by natural gas ** October 2014 Administrative Amendment ** - Source is now listed in Section A and D - 40 CFR Part 63 Subpart DDDDD applies
- (iii) Source ID 107A - Dryer - small heating source fired by natural gas
- (iv) Source ID 108 - Space Heaters - less than 2.5 MMBtu/hr fired by natural gas.

(f) April 2012 RENEWAL Permit (APS: 498778, AUTH: 906238). The following items have been addressed with this Title V Renewal Permit:

(1) The responsible official has been updated from Ronald Shaw, Plant Manager, to Michael J. Pfeifferberger, General Manager.

**SECTION G. Miscellaneous.**

(2) The facility-wide RACT VOC emission limit and associated recordkeeping requirements have been added to Section C of the permit, pursuant to 25 Pa. Code §§ 129.91-129.95.

(3) Source ID 110 - Emergency Generators - the requirements of 40 CFR Part 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines apply to the two (2) engines contained in Source ID 110.

(4) Source ID 104 - the small Natural Gas Boiler as noted in (c)(1) and (e)(4)(i) above is no longer in operation.

(5) Source ID 101 - Tube Straighteners - the frequency of monitoring and recordkeeping for solvent usage has been revised from daily to monthly.

(6) Facility-wide potential GHG emissions are below the applicability threshold; there are no GHG requirements applicable to the facility at this time.

(g) October 2014: This Administrative Amendment (APS 853627, AUTH 1043945) addresses the change of ownership from Mueller Streamline Company (Tax ID 48-1100985) to Precision Tube Company (Tax ID 46-1122260) and incorporates terms and conditions of Plan Approval No. 46-0047A. The requirements of 40 CFR Part 63 Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources for Industrial, Commercial, and Institutional Boilers and Process Heaters are applicable to Source ID 106 (Evaporator Boiler), Source ID 702 (700 Annealing Furnace with Carbon Monoxide Generator), and Source ID 703 (900 Annealing Furnace with Carbon Monoxide Generator).

%%%%%%%%%%%% April 2018 %%%%%%%%%%

(h) RENEWAL Permit (APS: 998778, AUTH: 1156880). The following items have been addressed with this Title V Renewal Permit:

Source ID 101, In accordance with RFD 3298: 1) Permit updated to required SDS data sheets for each solvent used in these units in Condition No. 002 (Recordkeeping Requirements) 2) increase the number of tube straighteners from 10 to 11 in Condition No. 005 (Additional Requirements).

Source ID: 109 & 111, corrected maximum allowable chilled air blanket temperature from 30.9°F, 11.88°C, 93.9 K to 31.2°F, - 0.444°C, 273 K.

Source ID: 109:

- 1) added the minimum temperature of the solvent vapor at the center of the superheated vapor zone is at least 114°F.
- 2) added minimum dwell time in accordance with 40 CFR 63.463(e)(2)(vi)(B) & (C).

Source ID 110:

- 1) the Kohler, 25 kW, emergency generator has been permanent shutdown and removal from the facility therefore it has been removed from this source ID.
- 2) compliance dates that have passed have been removed from the permit.
- 3) in accordance with 40 CFR 63.6602 & Table 2(c) [items 1 vs 6] work practice requirement change from "...Inspect air cleaner..." to "...Inspect spark plugs..."
- 4) oil analysis program described in 40 CFR § 63.6625(i) for a CI engine has been change to CFR § 63.6625(j) for a SI engine
- 5) based upon court vacature of 40 CFR Part 63.6640(f)(ii)-(iii) these requirements have been removed from the permit.



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