



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM**

TITLE V/STATE OPERATING PERMIT

Issue Date: January 17, 2025

Effective Date: February 6, 2025

Expiration Date: February 5, 2030

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

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

TITLE V Permit No: 46-00020

Federal Tax Id - Plant Code: 86-1118863-1

Owner Information

Name: SUPERIOR TUBE CO INC
Mailing Address: 3900 GERMANTOWN PIKE
COLLEGEVILLE, PA 19426-3112

Plant Information

Plant: SUPERIOR TUBE CO/LOWER PROVIDENCE
Location: 46 Montgomery County 46937 Lower Providence Township
SIC Code: 3317 Manufacturing - Steel Pipe And Tubes

Responsible Official

Name: MARK HEUBERGER
Title: PLANT OPERATIONS DIRECTOR
Phone: (267) 489 - 5359 Email: mark.heuberger@ametek.com

Permit Contact Person

Name: MARC VANDERWAL
Title: EHS DIRECTOR
Phone: (484) 200 - 1368 Email: marc.vanderwal@ametek.com

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



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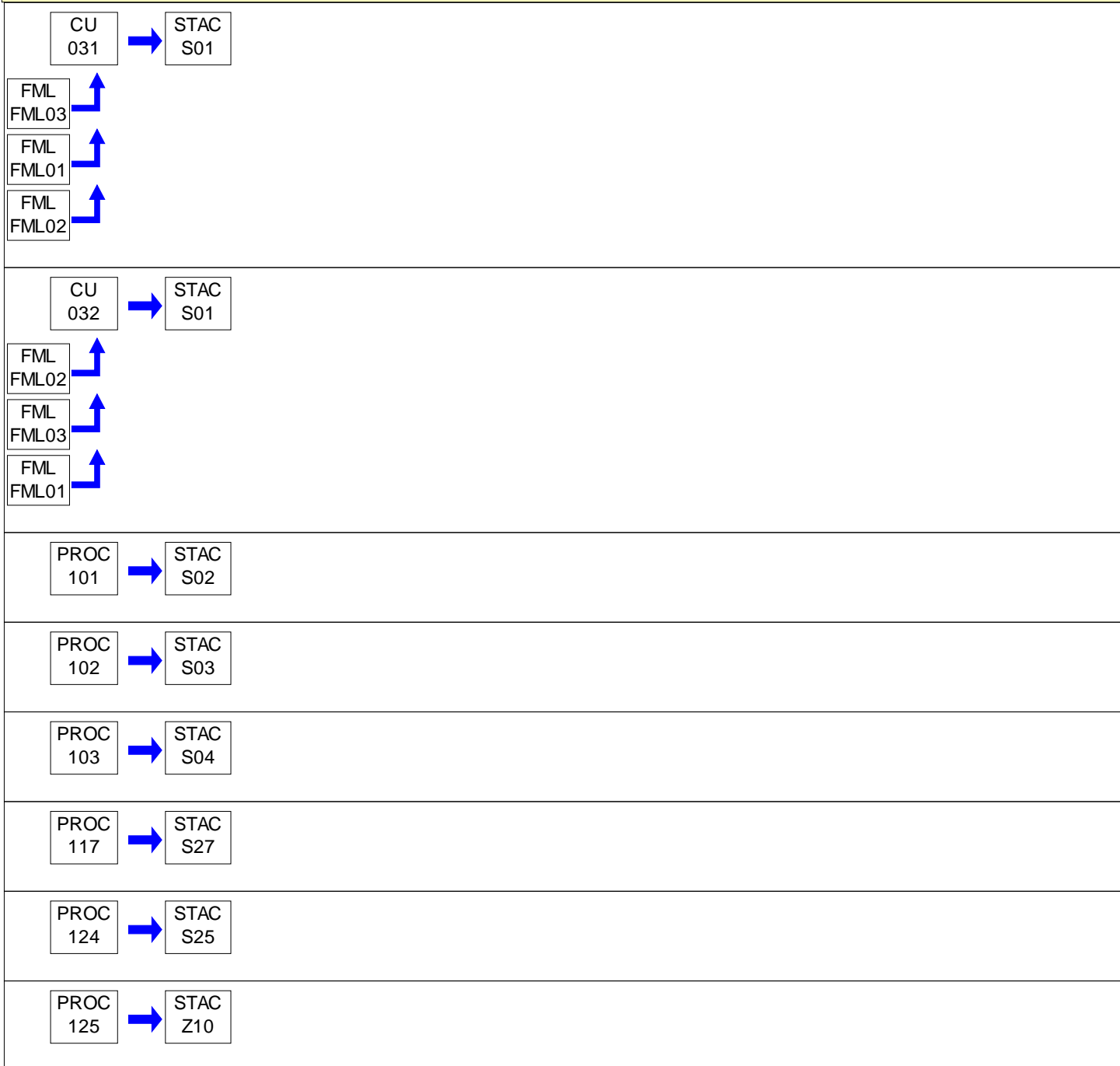
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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	TITUSVILLE BOILER #2166	20.000 MMBTU/HR	
		19.000 MCF/HR	Natural Gas
		132.000 Gal/HR	#6 Oil
		146.000 Gal/HR	#2 Oil
032	TITUSVILLE BOILER #2526	25.000 MMBTU/HR	
		23.800 MCF/HR	Natural Gas
		165.000 Gal/HR	#6 Oil
		185.000 Gal/HR	#2 Oil
101	FLUSH/BLOWOUT BOOTH #1603	18.000 Lbs/HR	VOC (NPB) SOLVENT
102	FLUSH/BLOWOUT BOOTH 1960	18.800 Lbs/HR	VOC (NPB) SOLVENT
103	LUBRIC. SPRAY BOOTH #6779	18.400 Lbs/HR	VOC (NPB) SOLVENT
117	SOLVENT CLEANER TANK #6836	N/A	VOC (NPB) SOLVENT
124	LUBRICATION SPRAY BOOTH #1976	18.400 Lbs/HR	VOC (NPB) SOLVENT
125	GENERAL SOURCE FUG EMIS	18.000 Lbs/HR	VARIOUS VOCS
131	AIR STRIPPING COLUMN #3542		
133	ANNEALING FURNACE	1.600 MCF/HR	Natural Gas
141	SOLVENT CLEANER TANK #6172	1.000 Lbs/HR	ISOPROPYL ALCOHOL
142	SOLVENT CLEANING TANK #6169	1.000 Lbs/HR	ISOPROPYL ALCOHOL
149	VAPOR DEGREASER #661	80.000 Lbs/HR	VOC (NPB) SOLVENT
160	EMERGENCY GENERATOR	328.000 CF/HR	NATURAL GAS
161	2 PICKLING TANKS WITH MIST ELIMINATOR & ONE PASSIVATION TANK		
C16	CARBON ADSORBER		
FML01	NAT GAS PIPELINE		
FML02	#6 FUEL OIL TANK		
FML03	#2 FUEL OIL TANK		
S01	BOILER STACK		
S02	FLUSH/BLOW STACK #1603		
S03	FLUSH/BLOW STACK #1960		
S04	LUBRIC BOOTH #6779 STACK		
S14	AIR STRIPPER #3542 STACK		
S149	DEGREASER # 661 BYPASS STACK		
S160	EMER GENERATOR STACK		
S161	PICKLING & PASSIVATE TANKS STACK		
S25	LUBRIC BOOTH #1976 STACK		
S27	SOLVENT CLEANER #6836 STK		
S35	DEGREASER STACK		
Z10	GENERAL SOURCE FUGITIVE		
Z13	ANNEALING FURNACE FUG.		
Z149	DEGREASER # 661 FUGITIVE		
Z15	SOLVENT CLEANER #6172 FUG		

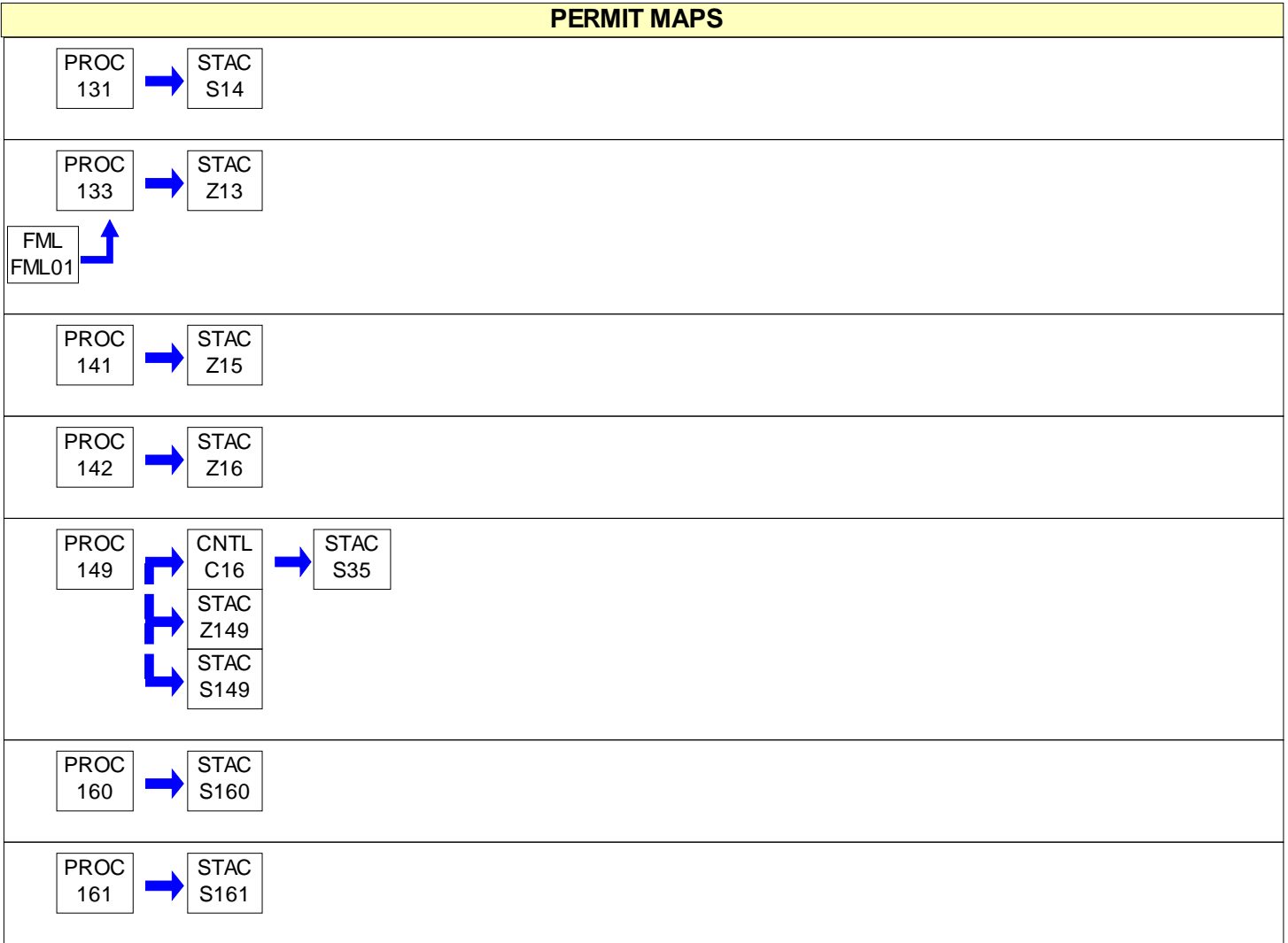
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z16	SOLVENT CLEANER #6169 FUG		

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 & 127.704(b)]**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. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(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

**SECTION B. General Title V Requirements**

the Department.

(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.

**SECTION B. General Title V Requirements****#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 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].

**SECTION B. General Title V Requirements****#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 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). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

(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.

**SECTION B. General Title V Requirements**

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

(e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.

(1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.

(2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.

(3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

#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.

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

(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

**SECTION B. General Title V Requirements**

phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

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

#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:

Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

(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.

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(5) The results of the analyses.

(6) The operating conditions as existing at the time of sampling or measurement.

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

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

#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 in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

**SECTION B. General Title V Requirements****#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)
- (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.

**SECTION B. General Title V Requirements**

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

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

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

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this 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.

#031 [25 Pa. Code §135.3]**Reporting**

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

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

#032 [25 Pa. Code §135.4]**Report Format**

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) 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.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (7) N/A
- (8) N/A
- (9) Sources and classes of sources other than those identified in (1)-(8) of this condition, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (i) The emissions are of minor significance with respect to causing air pollution; and
 - (ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

(b) The following are permitted fugitive sources:

- (1) 125 - General source fugitive emissions
- (2) 133 - One annealing furnace
- (3) 141 - Solvent cleaner tank #6172
- (4) 142 - Solvent cleaner tank #6169
- (5) 143 - Solvent cleaner tank #6983
- (6) 734 - Space Heaters
- (7) Open Burning as related to 25 Pa. Code §129.14.

002 [25 Pa. Code §123.2]**Fugitive particulate matter**

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

003 [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.

004 [25 Pa. Code §123.41]**Limitations**

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

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

005 [25 Pa. Code §123.42]**Exceptions**

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

**SECTION C. Site Level Requirements**

instances:

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

006 [25 Pa. Code §127.218.]**PALs.**

The VOC, including nPB, Plant-wide Applicability Limit (PAL) shall not exceed 96.2 tons per year on a 12 month rolling basis.

In accordance with 25 Pa. Code Section 127.218(c)(6), this limit has the effective date of April 19, 2019 and expires 10 years thereafter.

Note: the following Source IDs are included in this PAL; 031, 032, 101, 102, 103, 117, 124, 125, 131, 133, 141, 142, 149.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.25, 25 Pa. Code § 129.91 and 25 Pa. Code § 129.97.]

- (A) The total VOC emissions from this facility shall not exceed 158.6 tons in any 12 consecutive month period.
- (B) The total NO_x emissions from this facility shall not exceed 49.9 tons in any 12 consecutive month period.

[Compliance with Condition #006, of this section, assures compliance with paragraph (A) of this condition. Compliance with paragraph (A) of this condition assures compliance with condition 4 of RACT OP 46-0020].

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.

Throughput Restriction(s).**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The total natural gas fuel usage for this facility shall not exceed 978 MMscf per year site-wide in any 12 consecutive month

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period.

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

(a) If at any time the Department has cause to believe that air contaminant emissions from any source 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, the most current version of the DEP Source Testing Manual, and the EPA Clean Air Act National Stack Testing Guidance, 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.**# 011 [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.

012 [25 Pa. Code §127.218.]**PALs.**

The following monitoring requirement apply to this PAL permit:

1) The permittee shall determine monthly and annual plantwide VOC emissions based on a 12-month rolling total for each month.

2) The VOC emissions shall include fugitive emissions, to the extent quantifiable, from all emissions units that emit or have the potential to emit the PAL pollutant at the facility.

3) The VOC emissions shall include emissions from startups, shutdowns and malfunctions.

4) The permittee shall use the following calculation procedures to convert the monitoring system data to monthly emissions and annual emissions based on a 12-month rolling total for each month:

a. To determine emissions of VOC, from the non-combustion sources, the permittee shall use a material balance approach.

b. To determine VOC emissions from combustion units and combustion sources, the permittee shall use emission factors from the most current version of AP-42 or vendor specifications as appropriate.

5) Data used to establish the PAL must be revalidated through performance testing or other scientifically valid means approved in writing by the Department. This testing must occur at least once every 5 years after issuance of the PAL permit.

013 [25 Pa. Code §127.218.]**PALs.**

**SECTION C. Site Level Requirements**

(a) In accordance with 25 Pa Code 127.218(m), the permittee shall maintain a VOC emission tracking system to document compliance with the VOC PAL. The system shall, at a minimum, include the following monitoring approaches:

(1) Titusville Boilers (Source IDs 031 and 032)

- (i) Weekly and monthly combined fuel usage for both combustion sources, by fuel type.
- (ii) An emission factor obtained from the latest edition of US EPAs AP-42 emission factor database.

(2) Annealing Furnace (1) (Source ID 133)

- (i) Monthly combined fuel usage for both combustion units.
- (ii) An emission factor obtained from the latest edition of US EPAs AP-42 emission factor database.

(3) Flush/Blowout Booths (Source IDs 101 and 102)

- (i) Weekly and monthly volume of (non-exempt) booth solvent used at each booth/location.
- (ii) Material VOC content.

(4) Lubricant Spray Booths (Source IDs 103 and 124)

- (i) Weekly and monthly volume of Lubricant Spray Booth solvent used at each booth/location.
- (ii) Material VOC content.

(5) Solvent Cleaner Tank (Source IDs 117)

- (i) Weekly and monthly volume of Solvent Cleaner Tank solvent used.
- (ii) Material VOC content.

(6) General Source Fugitive Emissions (Source IDs 125)

- (i) Weekly and monthly volume of (non-exempt) solvent used.
- (ii) Material VOC content.

(7) Solvent Cleaner Tanks (Source IDs 141 and 142)

- (i) Weekly and monthly volume of Isopropyl Alcohol (IPA) used.
- (ii) Material VOC content.

(8) Vapor Degreaser (Source ID 149)

- (i) 3-monthly volume of Vapor Degreaser solvent used.
- (ii) Material VOC content.

(9) Emergency Generator (Source ID 160)

- (i) Weekly and monthly fuel usage.
- (ii) An emission factor obtained from the latest edition of US EPAs AP-42 emission factor database.

(10) Air Stripping Column (Source ID 131)

- (i) Monthly volume of water treated.
- (ii) Water TCE content.

(b) Failure to use a monitoring system that meets the requirements of this section renders the PAL permit invalid.

(c) An owner or operator of a facility shall record and report maximum potential emissions without considering enforceable

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emissions limitations or operational restrictions for an emissions unit during a period of time that there is no monitoring data, unless another method for determining emissions during these periods is specified in the PAL permit.

(d) Data used to establish the PAL must be revalidated through performance testing or other scientifically valid means approved in writing by the Department. This testing must occur at least once every 5 years after issuance of the PAL permit.

014 [25 Pa. Code §127.218.]**PALs.**

An owner or operator of a major facility using mass balance calculations to monitor VOC emissions from activities using coating or solvents shall meet the following requirements:

(i) Provide a demonstrated means of validating the published content of the VOCs that are contained in or created by all materials used in or at the emissions unit.

(ii) Assume that the emissions unit emits all of the VOCs that are contained in or created by any raw material used in or at the emissions unit, if it cannot otherwise be accounted for in the process.

(iii) If the vendor of a material used in or at the emissions unit publishes a range of pollutant content from the material, the owner or operator shall use the highest value of the range to calculate the VOC emissions unless the Department determines, in writing, that there is site specific data or a site-specific monitoring program to support another content within the range.

[25 Pa. Code 127.218(m)(6)]

015 [25 Pa. Code §127.218.]**PALs.**

An owner or operator of a major facility using emission factors to monitor PAL pollutant emissions shall:

(i) Adjust the emission factors to account for the degree of uncertainty or limitations in the development of the factors.

(ii) Operate the emissions unit within the designated range of use for the emission factor, if applicable.

(iii) Conduct validation testing to determine a site-specific emission factor within 6 months of PAL permit issuance, unless the Department determines, in writing, that testing is not required.

[25 Pa. Code 127.218(m)(9)]

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

[Additional authority for this 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

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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.

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

When using material mass balance to determine VOC emissions from VOC containing materials, the permittee shall keep records and demonstrate the VOC/HAP content of each VOC/HAP containing material by the following method, unless otherwise approved by the Department in writing:

The permittee shall determine the VOC/HAP content of VOC/HAP containing materials by maintaining VOC/HAP data sheets from the manufacturer.

IV. RECORDKEEPING REQUIREMENTS.

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

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

Within thirty (30) days after permit issuance, the permittee shall submit, to the Department for approval, any revised recordkeeping formats required in this Title V Operating Permit.

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

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

The permittee shall perform calculations, using a Department approved method, to demonstrate compliance with the natural gas fuel usage, VOC, and NOx emission limits for the entire facility. The permittee shall keep records of the calculations on a monthly and 12-month rolling sum basis.

**# 020 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

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

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.

**# 021 [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.
- (c) increases resulting from a Request for Determination (RFD) to the Department.

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(d) increases resulting from the issuance of a plan approval and subsequent operating permit.

V. REPORTING REQUIREMENTS.**# 022 [25 Pa. Code §127.218.]****PALs.**

1) The following requirements apply to reporting and notification:

a. The permittee shall submit semiannual monitoring reports and prompt deviation reports to the Department in accordance with the Title V operating permit requirements of Subchapters F and G (relating to operating permit requirements; and Title V operating permits).

b. The semiannual reports must:

i. Be submitted to the Department within 30 days of the end of each reporting period.

ii. Contain the following information:

1. The identification of the owner and operator and the permit number.
2. Total annual emissions in TPY based on a 12-month rolling total for each month in the reporting period.
3. Data relied upon, including the quality assurance or quality control data, in calculating the monthly and annual PAL pollutant emissions.
4. A list of the emissions units modified or added to the major facility during the preceding 6-month period.
5. A statement signed by a responsible official of the company that owns or operates the facility certifying the truth, accuracy and completeness of the information provided in the report.

c. The reports of deviations and exceedances of the PAL requirements, including periods in which no monitoring is available, must:

i. Be submitted to the Department promptly. A report submitted under Subchapter G satisfies this reporting requirement.

ii. Contain the following information:

1. The identification of the owner and operator and the permit number.
2. The PAL requirement that experienced the deviation or that was exceeded.
3. Emissions resulting from the deviation or the exceedance.
4. A statement signed by a responsible official of the company that owns or operates the facility certifying the truth, accuracy and completeness of the information provided in the report.

d. The permittee shall submit to the Department the results of any revalidation test or method within 3 months after completion of the test or method.

In accordance with 127.218(g)(9) the permittee shall submit the reports by the required deadlines.

Note: The reports, expressed in this condition, shall be submitted within the timeframe expressed in Condition #022.

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

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department at 484-250-5920. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

**SECTION C. Site Level Requirements**

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

- (1) Name, permit or authorization number, and location of the facility;
- (2) Nature and cause of the malfunction, emergency or incident;
- (3) Date and time when the malfunction, emergency or incident was first observed;
- (4) Expected duration of excess emissions;
- (5) Estimated rate of emissions; and
- (6) Corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

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

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

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

024 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

The permittee shall submit the following:

(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 #26 of section B of this permit. The annual certificate of compliance shall be submitted to DEP electronically, and to EPA Region III in electronic form at the following email address: R3_APD_Permits@epa.gov. The subject line shall read: "TVOP No. xxxx, Facility Namexxx."

(b) A semi-annual deviation report to DEP, 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).

025 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Electronic REPORTS to EPA:

In general, reports that are required to be submitted under parts 60 and 63, with the exception of reports required under the MATS rule, are submitted through the CEDRI portal of the Central Data Exchange (CDX): <https://cdx.epa.gov/>

**SECTION C. Site Level Requirements**

NSPS reports may be submitted electronically to EPA's Central Data Exchange: <https://cdx.epa.gov/>

Reports submitted through Compliance and Emissions Data Reporting Interface (CEDRI) can be viewed by the public through WebFIRE: <https://cfpub.epa.gov/webfire/reports/esearch.cfm>

Copies of Title V Permit Applications emailed to EPA: R3_Air_Apps_and_Notices@epa.gov.

Subject line: TV [permit number], [Facility Name]

Title V Compliance Certifications: 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. The subject line shall read: "TVOP No. xxxx, Facility Name xxxx."

026 [25 Pa. Code §135.21]**Emission statements**

The permittee shall submit by March 1, of each year, an annual emission statement for NO_x and VOC emissions for the preceding calendar year. Additionally, a description of the method used to calculate the emissions shall be included. The statement shall contain a certification by a company official or plant manager that the information contained in the statement is true and accurate.

VI. WORK PRACTICE REQUIREMENTS.**# 027 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

- (a) use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land;
- (b) application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts;
- (c) paving and maintenance of roadways; and
- (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.

028 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

029 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

The permittee may not modify any air contaminant system identified in this permit, prior to obtaining Department approval, except those modifications authorized by Condition #019(g), of Section B, of this permit.

**SECTION C. Site Level Requirements****# 030 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.112.]

All spills of solvents shall be cleaned up as soon as possible.

031 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

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

032 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.112.]

The permittee shall implement an employee training program for all new and existing personnel involved in cleaning operations. This training shall address steps to reducing VOC usage, the requirements of this operating permit, as well as the requirements of all applicable state and federal regulations. The training program shall include, at a minimum, the following:

- (a) A list of all personnel by name and job description that are required to be trained;
- (b) An outline of all subjects to be covered in the initial and refresher training for each person, or group of personnel;
- (c) Lesson plans for courses to be given at the initial and the annual refresher training that include appropriate application techniques for appropriate management of cleanup wastes;
- (d) A description of the methods to be used at the completion of initial or refresher training to demonstrate and document successful completion.

033 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.9112.]

All lids from drums and containers containing volatile organic compounds shall be kept closed except when the contents are being transferred.

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.

No compliance milestones exist.

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

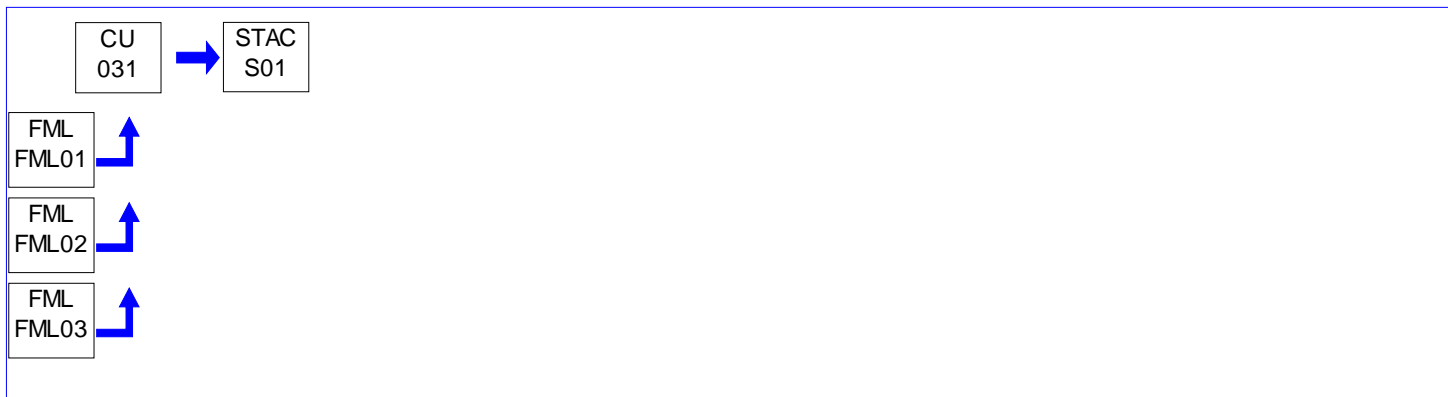
**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: TITUSVILLE BOILER #2166

Source Capacity/Throughput:	20.000	MMBTU/HR	
	19.000	MCF/HR	Natural Gas
	132.000	Gal/HR	#6 Oil
	146.000	Gal/HR	#2 Oil

Conditions for this source occur in the following groups: 1

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**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) and/or Section E (Source Group Restrictions).

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

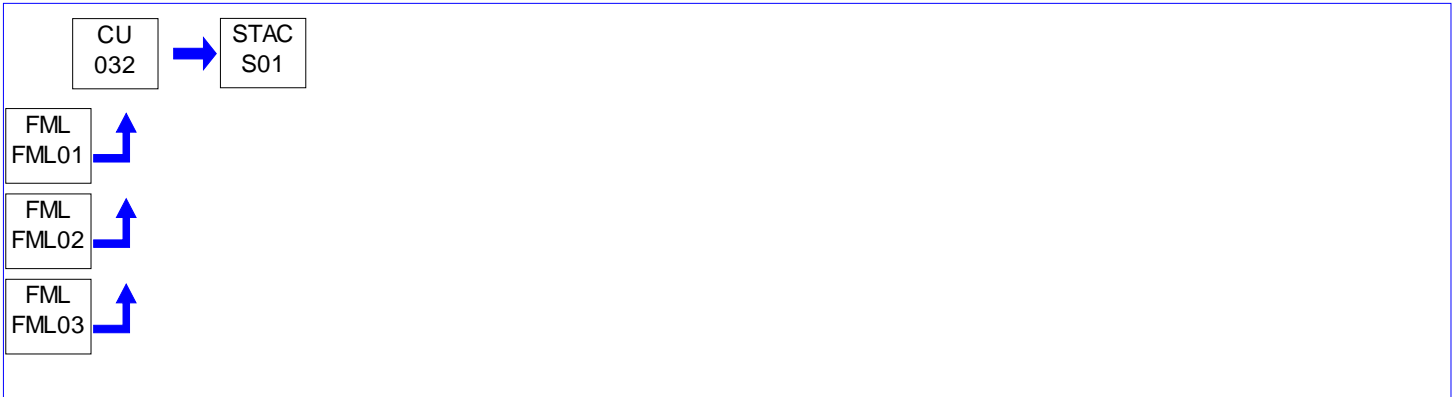
**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: TITUSVILLE BOILER #2526

Source Capacity/Throughput:	25.000	MMBTU/HR	
	23.800	MCF/HR	Natural Gas
	165.000	Gal/HR	#6 Oil
	185.000	Gal/HR	#2 Oil

Conditions for this source occur in the following groups: 1

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**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) and/or Section E (Source Group Restrictions).

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

**SECTION D. Source Level Requirements**

Source ID: 101

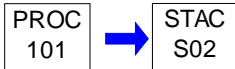
Source Name: FLUSH/BLOWOUT BOOTH #1603

Source Capacity/Throughput:

18.000 Lbs/HR

VOC (NPB) SOLVENT

Conditions for this source occur in the following groups: 11

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.114.]

The VOC, including nPB, emissions from this flush/blow booth shall not exceed 11.2 tons in any 12 consecutive month period.

Throughput Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee is allowed to use only authorized solvents such as nPB or equivalent solvents with similar physical/chemical properties as a cleaning solvent in this booth.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the amount and type of solvent used by this source on a weekly basis, when in use.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.115(f).]

The permittee shall record the amount and type of solvent used by this source on a weekly basis, when in use. The permittee shall perform monthly calculations and keep records to demonstrate compliance with the 12 consecutive month VOC emission limit.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

- a. Only solvent that has not been used in any degreasing operation shall be sent to the flush/blow booth.
- b. Used solvent from the flush/blow booth shall be sent to degreaser # 661 or collected and shipped in closed containers for proper disposal.

006 [25 Pa. Code §129.91]**Control of major sources of NOx and VOCs**

RACT for this source shall be good engineering practice, record keeping and maintenance of the source.

A 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, and inspection of the source.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.115(f)].

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

**SECTION D. Source Level Requirements**

Source ID: 102

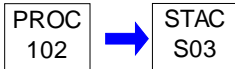
Source Name: FLUSH/BLOWOUT BOOTH 1960

Source Capacity/Throughput:

18.800 Lbs/HR

VOC (NPB) SOLVENT

Conditions for this source occur in the following groups: 11

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.114.]

The VOC, including nPB, emissions from this flush/blow booth shall not exceed 6.1 tons in any 12 consecutive month period.

Throughput Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee is allowed to use only authorized solvents such as nPB or equivalent solvents with similar physical/chemical properties as a cleaning solvent in this booth.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the amount and type of solvent used by this source on a weekly basis, when in use.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.115(f).]

The permittee shall record the amount and type of solvent used by this source on a weekly basis when in use. The permittee shall perform monthly calculations and keep records to demonstrate compliance with the 12 consecutive month VOC emission limit.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

- a. Only solvent that has not been used in any degreasing operation shall be sent to the flush/blow booth.
- b. Used solvent from the flush/blow booth shall be sent to degreaser # 661 or collected and shipped in closed containers for proper disposal.

006 [25 Pa. Code §129.91]**Control of major sources of NOx and VOCs**

RACT for this source shall be good engineering practice, record keeping and maintenance of the source.

A 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, and inspection of the source.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.115(f)].

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

**SECTION D. Source Level Requirements**

Source ID: 103

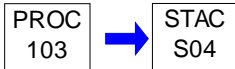
Source Name: LUBRIC. SPRAY BOOTH #6779

Source Capacity/Throughput:

18.400 Lbs/HR

VOC (NPB) SOLVENT

Conditions for this source occur in the following groups: 11

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.114.]

The VOC, including nPB, emissions, for this spray booth shall not exceed 15.0 tons in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.114.]

The permittee shall monitor the amount of VOC-containing solvent used by this spray booth on a weekly basis when in use.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.115(f).]

The permittee shall record the amount of VOC-containing solvent used by this spray booth on a weekly basis when in use, and perform monthly calculations to demonstrate compliance with the VOC emission limit for each 12 consecutive month period.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**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) and/or Section E (Source Group Restrictions).

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

**SECTION D. Source Level Requirements**

Source ID: 117

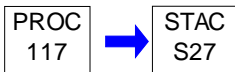
Source Name: SOLVENT CLEANER TANK #6836

Source Capacity/Throughput:

N/A

VOC (NPB) SOLVENT

Conditions for this source occur in the following groups: 11
3

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.114.]

VOC, including nPB, emissions from this source shall not exceed 6.60 tons in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

**SECTION D. Source Level Requirements**

Source ID: 124

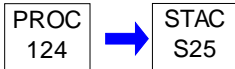
Source Name: LUBRICATION SPRAY BOOTH #1976

Source Capacity/Throughput:

18.400 Lbs/HR

VOC (NPB) SOLVENT

Conditions for this source occur in the following groups: 11

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.114.]

The VOC, including nPB, emissions, for this spray booth shall not exceed 6.9 tons in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.115(f).]

The permittee shall monitor the amount of VOC-containing materials used by this spray booth on a weekly basis when in use.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.115(f).]

The permittee shall record the amount of VOC-containing materials used by this spray booth on a weekly basis when in use, and perform calculations on a monthly basis to demonstrate compliance with the 12 consecutive month period.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

004 [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 air pollution control practices.

**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) and/or Section E (Source Group Restrictions).

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

**SECTION D. Source Level Requirements**

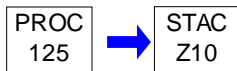
Source ID: 125

Source Name: GENERAL SOURCE FUG EMIS

Source Capacity/Throughput:

18.000 Lbs/HR

VARIOUS VOCS

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.114.]

The total VOC emissions from this source and sources 141 and 142 shall not exceed 13.8 tons in any 12 consecutive period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the amount and type of cleaning solvent used on a weekly basis.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.115(f)].

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the monitored amount and type of cleaning solvent used on a weekly basis, and perform monthly calculations to demonstrate compliance with the VOC emission limit.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.115(f)].

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate this source in accordance with good air pollution control practices.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 005 [25 Pa. Code §127.503]****Application information.**

This source consists of the following individual sources:

- OD Koters - mechanical application of a thin coating of Superkote prior to drawing operations.
- Hand application of Superkote to the outside of tubing prior to drawing operations.
- Material handling.
- Waste handling.
- Plant housekeeping.

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

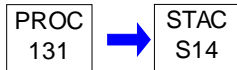
**SECTION D. Source Level Requirements**

Source ID: 131

Source Name: AIR STRIPPING COLUMN #3542

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 4

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

**SECTION D. Source Level Requirements**

Source ID: 133

Source Name: ANNEALING FURNACE

Source Capacity/Throughput:

1.600 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 4

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The amount of natural gas usage shall be monitored monthly.

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The natural gas usage shall be recorded on a monthly basis.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source has asset tag 3050.

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

**SECTION D. Source Level Requirements**

Source ID: 141

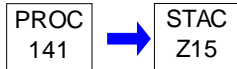
Source Name: SOLVENT CLEANER TANK #6172

Source Capacity/Throughput:

1.000 Lbs/HR

ISOPROPYL ALCOHOL

Conditions for this source occur in the following groups: 11

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall monitor the isopropyl alcohol additions to this cleaning tank, on a weekly basis, or when in use.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.115(f)].

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record the isopropyl alcohol additions to this cleaning tank, on a weekly basis, or when in use, for use in demonstrating compliance with the site-wide VOC emission limit.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.115(f)].

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

**SECTION D. Source Level Requirements**

Source ID: 142

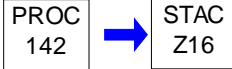
Source Name: SOLVENT CLEANING TANK #6169

Source Capacity/Throughput:

1.000 Lbs/HR

ISOPROPYL ALCOHOL

Conditions for this source occur in the following groups: 11

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

001 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the isopropyl alcohol additions to this cleaning tank, on a weekly basis, or when in use.

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the isopropyl alcohol additions to this cleaning tank, on a weekly basis, or when in use, for use in demonstrating compliance with the site-wide VOC emission limit.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

**SECTION D. Source Level Requirements**

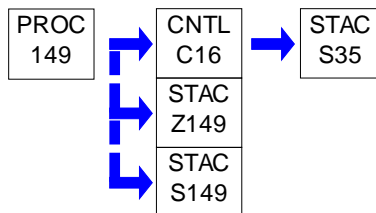
Source ID: 149

Source Name: VAPOR DEGREASER #661

Source Capacity/Throughput:

80.000 Lbs/HR

VOC (NPB) SOLVENT

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

- 1) This source will not consume more than 40,250 pounds (3,562 gallons) of n-propyl bromide (or equivalent VOC) in any 3-month rolling period.
- 2) The VOC, including nPB, emissions shall not exceed 80.9 tons/yr in any 12-consecutive month period.

Control Device Efficiency Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

When using nPB in the vapor degreaser # 661, the permittee shall operate with the sub-zero cooling coil operating to minimize nPB vaporization.

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

The permittee shall operate the sub-zero cooling system such that one loop of the cooling system heat transfer fluid is maintained at a temperature of 0 degree Fahrenheit or below.

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

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

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

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

B. The permittee shall conduct an initial monitoring test and, thereafter, monthly monitoring tests of the wind-speed within the enclosure by determining the direction of the wind current in the enclosure by slowly rotating a velometer inside the entrance to the enclosure until the maximum speed is located. The maximum wind speed shall be recorded on a monthly

**SECTION D. Source Level Requirements**

basis.

C. The permittee shall also perform a monthly visual inspection of the enclosure for cracks, holes, and defects.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]
Operating permit terms and conditions.

A. The permittee shall monitor the temperature of the sub-zero cooling system on a continuous basis.

B. Data or information required to determine compliance shall be monitored and maintained in a timeframe consistent with the requirements.

IV. RECORDKEEPING REQUIREMENTS.

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

A. The permittee shall keep monthly records to demonstrate compliance with the emission limit.

B. The permittee shall record the temperature of the sub-zero cooling system on a daily basis, when operating.

C. Manufacturer's specifications for maintenance and operation shall be kept and made available to Department personnel upon request.

D. Records of repair and maintenance shall be kept in a logbook or other system approved by the Department.

E. Data or information required to determine compliance shall be recorded and maintained in a timeframe consistent with the requirements.

008 [25 Pa. Code §127.441]
Operating permit terms and conditions.

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

(a) Owners manuals for this degreaser.

(b) The date of installation.

(c) Records of the halogenated HAP solvent content for each solvent used.

009 [25 Pa. Code §127.441]
Operating permit terms and conditions.

A. The permittee shall keep monthly records to demonstrate compliance with the emission limits given in Condition #001: 40,250 pounds (3,562 gallons) of n-propyl bromide (or equivalent VOC) in any 3-month rolling period and 80.9 tpy VOC in any 12-consecutive month period.

B. The permittee shall record the temperature of the sub-zero cooling system on a daily basis, when operating.

C. Manufacturer's specifications for maintenance and operation shall be kept and made available to Department personnel upon request.

D. Records of repair and maintenance shall be kept in a logbook or other system approved by the Department.

E. Data or information required to determine compliance shall be recorded and maintained in a timeframe consistent with the requirements.

**SECTION D. Source Level Requirements****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall perform monthly emission calculations for use in demonstrating compliance with the VOC emission limits for this source.

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

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

- (a) All results of the following control device monitoring:
 - (1) Monthly reduced room draft air flow reading,
 - (2) Daily sub-zero cooling system temperature reading,
 - (3) Daily input and output FID/PID readings when the Carbon Adsorber is in use.
- (b) Replacement parts and repairs.
- (c) Estimates of annual solvent consumption

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

A copy of the manufacturer's specifications for the maintenance and operation of the vapor degreaser shall be kept on file at the facility, and shall be made available to the Department upon request.

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

- A. The VOC, including nPB, emissions from the vapor degreaser # 661 shall be minimized by the sub-zero cooling system.
- B. The permittee shall operate the sub-zero cooling system whenever the vapor degreaser is operating using nPB as a solvent.
- C. The permittee shall maintain, and operate the sub-zero cooling system according to the manufacturer's specification as well as good air pollution control practices.
- D. Equipment shall be provided so that at the request of the Department, the temperature of the sub-zero cooling system can be measured.
- E. The permittee shall minimize solvent carry-out and follow good air pollution control practices to minimize loss of solvent to the atmosphere.

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

The permittee shall adhere to the following work practice standards:

- (a) The solvent level shall not exceed the fill line.
- (b) The operating conditions under which the wind speed was demonstrated to be less than 15.2 m/s (50 ft/s) shall be

**SECTION D. Source Level Requirements**

maintained.

(c) The parts basket, or parts being cleaned, shall not occupy more than 50 percent of the solvent/air interface area unless the parts are introduced at a speed of 0.9 meters/minute (3.0 ft/min) or less.

(d) Any spraying operations shall be done within the vapor zone or within a section of the degreaser that is not directly exposed to the ambient air.

(e) Parts shall be rotated so that the solvent drains from them freely. Parts having cavities shall be tipped or rotated before being removed from the degreaser.

(f) The degreaser and controls shall be maintained as recommended by the manufacturer, or other alternatives that are approved by the Department.

(g) Each operator shall complete and pass the applicable sections of the test of degreasing operations, found in Appendix B, of 40 CFR 63, Subpart T.

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

The permittee is allowed to use only authorized solvents such as nPB or equivalent solvents with similar physical/chemical properties as a cleaning solvent in this booth.

016 [25 Pa. Code §129.63]**Degreasing operations**

(1) This batch vapor cleaning machines shall be equipped with:

(i) Either a fully enclosed design or a working and downtime mode cover that completely covers the cleaning machine openings when in place, is free of cracks, holes and other defects, and can be readily opened or closed without disturbing the vapor zone. If the solvent cleaning machine opening is greater than 10 square feet, the cover shall be powered. If a lip exhaust is used, the closed cover shall be below the level of the lip exhaust.

(ii) Sides which result in a freeboard ratio greater than or equal to 0.75.

(iii) A safety switch (thermostat and condenser flow switch) which shuts off the sump heat if the coolant is not circulating.

(iv) A vapor up control switch which shuts off the spray pump if vapor is not present. A vapor up control switch is not required if the vapor cleaning machine is not equipped with a spray pump.

(v) An automated parts handling system which moves the parts or parts baskets at a speed of 11 feet (3.4 meters) per minute or less when the parts or parts are entering or exiting the vapor zone. If the parts basket being cleaned occupy more than 50% of the solvent/air interface area, the speed of the parts or parts basket may not exceed 3 feet per minute.

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

(vii) A vapor level control device that shuts off the sump heat if the vapor level in the vapor cleaning machine rises above the height of the primary condenser.

(viii) A permanent, conspicuous label summarizing the operating requirements in item (3) below.

(2) In addition to the requirements of (1) above, the permittee shall use the following devices or strategies:

(i) Freeboard ratio of 1.0 or greater

(ii) Reduced room draft

(iii) Freeboard refrigeration device

(3) Batch vapor cleaning machines shall be operated in accordance with the following procedures:

**SECTION D. Source Level Requirements**

- (i) Waste solvent, still bottoms and sump bottoms shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
- (ii) Cleaned parts shall 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. A superheated vapor system shall be an acceptable alternate technology.
- (iii) Parts or parts baskets may not be removed from the batch vapor cleaning machine until dripping has ceased.
- (iv) Flushing or spraying of parts using a flexible hose or other flushing device shall be performed within the vapor zone of the batch vapor cleaning machine or within a section of the machine that is not exposed to the ambient air. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
- (v) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the batch vapor cleaning machine.
- (vi) Spills during solvent transfer and use of the batch vapor cleaning machine shall be cleaned up immediately.
- (vii) Work area fans shall be located and positioned so that they do not blow across the opening of the batch vapor cleaning machine.
- (viii) During startup of the batch vapor cleaning machine, the primary condenser shall be turned on before the sump heater.
- (ix) During shutdown of the batch vapor cleaning machine, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off.
- (x) When solvent is added to or drained from the batch vapor cleaning machine, 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.
- (xi) The working and downtime covers shall be closed at all times except during parts entry and exit from the machine, during maintenance of the machine when the solvent has been removed and during addition of solvent to the machine.

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

Used solvent from the flush/blow booth shall be sent to degreaser # 661 or collected and shipped in closed containers for proper disposal.

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

Source description:

Manufacturer: Finishing Equipment

Model No. AE-2DU-SP

Solvent-Air interface: 253 sq. ft

Capacity: 6,480 gallons

Installation Date: 1998

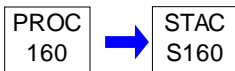
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 160

Source Name: EMERGENCY GENERATOR

Source Capacity/Throughput: 328.000 CF/HR NATURAL GAS

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

001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions from this source shall not exceed 0.04 gr/dscf in the effluent gas.

002 [25 Pa. Code §123.21]

GeneralNo person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.**Operation Hours Restriction(s).**

003 [25 Pa. Code §129.93]

Presumptive RACT emission limitations

The hours of operation shall not exceed 500 hours in any 12 consecutive month period.

[Compliance with this condition assures compliance 25 Pa. Code § 129.112(c)(10)].

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 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the hours of operation on a monthly basis.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.115(f)].

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the hours of operation on a monthly and 12 consecutive month rolling basis.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.115(f)].

006 [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?**

**SECTION D. Source Level Requirements**

- (a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 63.6640(f).
- (b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 63.6640(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 63 Subpart ZZZZ and must meet all requirements for non-emergency engines.

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?**

The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must 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.

008 [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?**

The permittee shall keep records to show continuous compliance with the following operating limitations:

- Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or
- Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

009 [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?**

The permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the permittee operated and maintained the stationary RICE according to your own maintenance plan.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****In what form and how long must I keep my records?**

- Records must be in a form suitable and readily available for expeditious review according to 40 CFR §63.10(b)(1).
- As specified in 40 CFR §63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- The permittee shall keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR §63.10(b)(1).

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 011 [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?**

The permittee shall report each instance in which you did not meet each operating limitation in Conditon #013. These instances are deviations from the operating limitations. These deviations must be reported according to the requirements in 40 CFR §63.6650.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What reports must I submit and when?**

In accordance with 40 CFR 63.6650(f) the permittee shall report all deviations as defined in 40 CFR Part 63 Subpart ZZZZ in the semiannual monitoring report required by 40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a Compliance report pursuant to Table 7 of this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in this subpart, submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

VI. WORK PRACTICE REQUIREMENTS.**# 013 [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?**

- 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, and replace as necessary;
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

If this emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. The permittee must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

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

The permittee can petition the EPA Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**SECTION D. Source Level Requirements****What are my general requirements for complying with this subpart?**

At all times the permittee must operate and maintain this source in a manner consistent with safety and good air pollution control practices for minimizing emissions.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee must operate and maintain this source according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes,

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement. The oil analysis must be performed at the same frequency specified for changing the oil. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the permittee is not required to change the oil. If any of the limits are exceeded, the permittee must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the permittee must change the oil within 2 business days or before commencing operation, whichever is later. The permittee must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee must install a non-resettable hour meter if one is not already installed.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 019 [25 Pa. Code §123.13]****Processes**

The emergency generator shall meet the following description:

Manufacturer: Onan Genset

Rating: 12.5KW

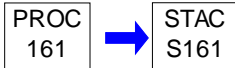
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 161

Source Name: 2 PICKLING TANKS WITH MIST ELIMINATOR & ONE PASSIVATION TANK

Source Capacity/Throughput:

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

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

- A. The NO_x and hydrofluoric acid (HF) emissions from pickling operation shall not exceed 2.91 lb/hr, and 1.35 lb/hr respectively.
- B. The aggregate NO_x and HF emissions from the pickling operation including all pickling and passivation tanks, shall not exceed 12.70 tons and 5.91 tons respectively in any 12 consecutive month period.

Control Device Efficiency Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The exhaust system for the pickling tanks shall be equipped with a mist eliminator.

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

- A. The permittee shall monitor and record the amount of nitric and hydrofluoric acid added to and/or removed from this pickling tank on a weekly basis, or when in use.
- B. The permittee shall monitor the temperature of the pickling tanks on a daily basis when in use. Temperature monitoring is not required on days in which the pickling tanks are not operating.
- C. Data or information required to determine compliance shall be monitored and maintained in a timeframe consistent with the requirements.

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

- A. The permittee shall keep monthly records of emissions of NO_x and HF to demonstrate compliance with the emission limits.
- B. The permittee shall record the temperature of the pickling tanks on a daily basis, when operating.
- C. Manufacturer's specifications for maintenance and operation shall be kept and made available to Department personnel upon request.

**SECTION D. Source Level Requirements**

D. Records of repair and maintenance shall be kept in a logbook or other system approved by the Department.

E. Data or information required to determine compliance shall be recorded and maintained in a timeframe consistent with the requirements.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A. The permittee shall operate the mist eliminator whenever the pickling tanks are in use.

B. The permittee shall install, maintain, and operate the pickling operation according to the manufacturer's specification as well as good air pollution control practices.

C. Equipment shall be provided so that at the request of the Department, the temperature of the pickling tanks can be measured.

D. The permittee shall follow good air pollution control practices to minimize the emissions to the atmosphere.

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A. Each of the two pickling tanks shall be designed with dimensions approximately 40' x 30" x 39" (approximately 1900 gallons capacity of HNO₃, HF and water). The passivation tank shall be designed with dimensions approximately 40' x 24" x 39" (approximately 1500 gallons capacity of HNO₃ and water).

B. The passivation tank exhausts directly to the atmosphere.

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

**SECTION E. Source Group Restrictions.**

Group Name: 1

Group Description: Boilers

Sources included in this group

ID	Name
031	TITUSVILLE BOILER #2166
032	TITUSVILLE BOILER #2526

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

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

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.91 and 129.97(c)(2).]

The VOC emissions from this source shall not exceed 3 lbs/hr, 15 lbs/day, and 2.7 tons in any 12 consecutive month period.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.112(c)(2).]

Fuel Restriction(s).**# 003 [25 Pa. Code §123.22]****Combustion units**

(a) A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of [15 ppm or 0.0015% by weight for No. 2 fuel oil] OR [2,500 ppm or 0.25% for No. 4 fuel oil] OR [5,000 ppm or 0.5% for No. 5 and 6 or heavier fuel oil] by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

(b) For Number 2 Fuel oil ONLY: Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer prior to September 1, 2020 which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after September 1, 2020.

004 [25 Pa. Code §123.22]**Combustion units**

No person may, at any time, offer for sale, deliver for use, exchange in trade or permit the use of No. 6 fuel oil for use in the boilers which contains sulfur in excess of 0.5% by weight, pursuant to 25 Pa Code § 123.22(e)(2)(i).

[Compliance with this condition assures compliance with 25 Pa. Code 123.22(e)(1) for the outer zone.]

II. TESTING REQUIREMENTS.**# 005 [25 Pa. Code §123.22]****Combustion units**

The actual sulfur content of commercial fuel oil shall be determined:

(a) in accordance with the sample collection, test methods and procedures specified under 25 Pa. Code § 139.16 (relating to sulfur in fuel oil); or

**SECTION E. Source Group Restrictions.**

(b) by other methods developed or approved by the Department or the Administrator of the EPA, or both.

006 [25 Pa. Code §139.16]**Sulfur in fuel oil.**

(a) The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of viscosity shall be that specified in 25 Pa. Code § 139.4(11) (relating to references). The viscosity shall be determined at 100°F.

(3) Tests methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15) and (20).

(4) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing requirements in subpart (a) above shall be waived in the event that a delivery receipt from the supplier, showing the percentage sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.**# 007 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall monitor the amount, and type, of fuel consumed by the boilers, on a monthly basis.

(b) The permittee shall calculate VOC emissions to demonstrate compliance with the emission limitations.

[Compliance with paragraph (b) of this condition assures compliance with condition 16 of RACT OP 46-0020 and 25 Pa. Code § 129.100(d)].

IV. RECORDKEEPING REQUIREMENTS.**# 008 [25 Pa. Code §123.22]****Combustion units**

The permittee shall receive with each fuel oil delivery an electronic or paper record which legibly and conspicuously contains the following information:

- (a) the date of the sale or transfer;
- (b) the name and address of the seller;
- (c) the name and address of the buyer;
- (d) the delivery address;
- (e) the volume of commercial fuel oil purchased; and
- (f) the identification of the sulfur content of the shipment of fuel oil, determined using the sampling and testing methods specified in the testing requirement above, expressed as one of the following statements:
 - (1) For a shipment of No. 2 and lighter commercial fuel oil, "The sulfur content of this shipment is 15 ppm or below."
 - (2) For a shipment of No. 6 and heavier commercial fuel oil, "The sulfur content of this shipment is 5,000 ppm or below."

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Additional authority for this condition is also derived from 40 C.F.R. § 63.7555(a)(1).]

The owner or operator shall keep records of a copy of each notification and report that was submitted to comply with 40

**SECTION E. Source Group Restrictions.**

C.F.R. Part 63, Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that was submitted, according to the requirements in 40 C.F.R. §63.10(b)(2)(xiv) and 40 C.F.R. § 63.7555(a)(1).

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is also derived from 40 C.F.R. § 63.7560.]

(a). The records kept in compliance with the requirements of 40 C.F.R. Part 63, Subpart DDDDD shall be in a form suitable and readily available for expeditious review, according to 40 C.F.R. § 63.10(b)(1).

(b). As specified in 40 C.F.R. § 63.10(b)(1), the owner or operator shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c). The owner or operator shall keep each record on site, or the records shall 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, according to 40 C.F.R. § 63.10(b)(1). The owner or operator can keep the records off site for the remaining 3 years.

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

In accordance with 25 Pa. Code 129.115(i), the permittee shall record each adjustment conducted under the procedures in 25 Pa. Code § 129.112(b). This record must contain, at a minimum:

- (1) The date of the tuning procedure.
- (2) The name of the service company and the technician performing the procedure.
- (3) The final operating rate or load.
- (4) The final NOx and CO emission rates.
- (5) The final excess oxygen rate.
- (6) Other information required by the applicable operating permit.

[Compliance with this condition assures compliance with 40 CFR §§ 63.7490 and 63.7550]

012 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall record the amount, and type, of fuel consumed by the boilers, on a monthly basis.

(b) The permittee shall keep records of the VOC emission calculations to demonstrate compliance the emission limitations.

[Compliance with paragraph (b) of this condition assures compliance with 25 Pa. Code § 129.115(f)].

V. REPORTING REQUIREMENTS.**# 013 [25 Pa. Code §123.22]****Combustion units**

The permittee shall provide an electronic or written copy of the commercial fuel oil shipment record to the Department upon request, in accordance with 25 Pa. Code § 123.22(g)(4)(ii).

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

[Additional authority for this condition is also derived from 40 C.F.R. § 63.7550.]

A compliance report must contain the following information for a facility that is subject to the requirements of a 5-year tune-up:

(a). Company and Facility name and address.

**SECTION E. Source Group Restrictions.**

- (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 according to 40 C.F.R. § 63.7540(a)(12). 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.

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

- (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)."

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

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.

017 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is also derived from 40 C.F.R. § 63.7545.]

- (a). The owner or operator shall submit to the Administrator all of the notifications in 40 C.F.R. §§ 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to this source by the dates specified.
- (b). If a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that is subject to 40 C.F.R. Part 63, Subpart DDDDD is operated, and the owner or operator intends to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart of 40 C.F.R. Part 60, 61, or 65, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in 40 C.F.R. § 63.7575, you must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in 40 C.F.R. § 63.7575. The notification shall include the information specified in the following paragraphs:

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- (1). Company name and address.
 - (2). Identification of the affected unit.
 - (3). Reason the owner or operator is unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.
 - (4). Type of alternative fuel that is intended to be used.
 - (5). Dates when the alternative fuel use is expected to begin and end.
- (c). If the owner or operator has switched fuels or made a physical change to the boiler and the fuel switch or physical change resulted in the applicability of a different subcategory, the owner or operator shall provide notice of the date upon which you switched fuels or made the physical change within 30 days of the switch/change. The notification shall identify:
- (1). The name of the owner or operator of the affected source, as defined in 40 C.F.R. § 63.7490, the location of the source, the boiler(s) that have switched fuels, were physically changed, and the date of the notice.
 - (2). The currently applicable subcategory under 40 C.F.R. Part 63, Subpart DDDDD.
 - (3). The date upon which the fuel switch or physical change occurred.

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

All certifications and reports that are required for compliance with 40 C.F.R. Part 63, Subpart DDDDD shall be submitted to the following:

- (a). U.S. EPA. Copies are to be forwarded to the following address:

Associate Director
Office of Air Enforcement and Compliance Assistance, 3AP20
U.S. EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

- (b). The Department. Copies are to be forwarded to the following address:

Air Pollution Control Manager
PA Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

(c) In accordance with 40 CFR Section 63.7550 (h)(3), the compliance report shall be submitted electronically using CEDRI that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to Subpart DDDDD is not available in CEDRI at the time that the report is due the report shall be mailed to the Administrator.

VI. WORK PRACTICE REQUIREMENTS.**# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is also derived from 40 C.F.R. § 63.7500(a)(3).]

At all times, the owner or operator shall operate and maintain any affected source (as defined in 40 C.F.R. § 63.7490), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. 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

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inspection of the source.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is also derived from 40 C.F.R. §§ 63.7540(a)(10) and 63.7540(a)(12).]

The owner or operator shall conduct tune-ups of the boilers to demonstrate continuous compliance as specified in paragraphs (a) through (f) below as directed in 40 C.F.R. §§ 63.7540(a)(10)(i) through (a)(10)(vi) and 63.7540(a)(12).

(a). As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the owner or operator may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

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

(c). Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the owner or operator may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

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

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

(f). Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in the following paragraphs,

(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; and

(3). The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

(g) For affected sources, as defined in §63.7490, that switch subcategories consistent with §63.7545(h) after the initial compliance date, permittee must demonstrate compliance within 60 days of the effective date of the switch, unless you had previously conducted your compliance demonstration for this subcategory within the previous 12 months

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

[Additional authority for this condition is also derived from 40 C.F.R. §§ 63.7500(a)(1), 63.7500(e), 63.7515(d), 63.7540(a)(12), and 63.7540(a)(13).]

(a). In accordance with 40 C.F.R. § 63.7515(d), the 5-year tune-up shall be conducted no more than 61 months after the previous tune-up.

(b). If the boiler is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days

**SECTION E. Source Group Restrictions.**

of startup in accordance with 40 C.F.R. § 63.7540(a)(13).

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

[Additional authority for this condition is also derived from 40 C.F.R. §§ 63.7500(f) and 63.7505(a).]

The owner or operator shall be in compliance with all applicable conditions of 40 C.F.R. Part 63, Subpart DDDDD at all times, except for periods during startup and shutdown of the boiler.

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

[Additional authority for this condition is also derived from 40 C.F.R. § 63.7500(a)(1) and Table 3 of 40 C.F.R. Part 63, Subpart DDDDD.]

The owner or operator shall have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements below, satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment shall include the following with extent of the evaluation for items (a) to (e) appropriate for the on-site technical hours listed in 40 C.F.R. § 63.7575:

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

024 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

(a) The permittee shall perform an annual tune-up on the combustion process for the boilers. The annual tune-up shall consist of, at a minimum, the following:

- (1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
- (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable, minimize the emissions of CO.
- (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation

**SECTION E. Source Group Restrictions.**

as specified by the manufacturer.

(b) The annual combustion tune-up shall be made in accordance with EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-3401/1-83-023) or equivalent procedures approved by the Department in writing.

[Compliance with this condition assures compliance with 40 CFR §§ 63.7515 & 63.7550 and streamlines compliance with 25 Pa. Code § 129.112(b)(1)]

VII. ADDITIONAL REQUIREMENTS.**# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is also derived from 40 C.F.R. § 63.7570.]

(a) The requirements of 40 C.F.R. Part 63, Subpart DDDDD can be implemented and enforced by the EPA, or an Administrator such as your state, local, or tribal agency. If the EPA Administrator has delegated authority to your state, local, or tribal agency, then that agency (as well as the EPA) has the authority to implement and enforce 40 C.F.R. Part 63, Subpart DDDDD. The owner or operator should contact your EPA Regional Office to find out if 40 C.F.R. Part 63, Subpart DDDDD is delegated to your state, local, or tribal agency.

(b). In delegating implementation and enforcement authority of 40 C.F.R. Part 63, Subpart DDDDD to a state, local, or tribal agency under 40 CFR part 63, subpart E, the authorities listed in paragraphs below are retained by the EPA Administrator and are not transferred to the state, local, or tribal agency, however, the EPA retains oversight of 40 C.F.R. Part 63, Subpart DDDDD and can take enforcement actions, as appropriate.

(1). Approval of alternatives to the non-opacity emission limits and work practice standards in 40 C.F.R. § 63.7500(a) and (b) under 40 C.F.R. § 63.6(g).

(2). Approval of alternative opacity emission limits in 40 C.F.R. § 63.7500(a) under 40 C.F.R. § 63.6(h)(9).

(3). Approval of major change to test methods in Table 5 of 40 C.F.R. Part 63, Subpart DDDDD under 40 C.F.R. § 63.7(e)(2)(ii) and (f) and as defined in 40 C.F.R. § 63.90, and alternative analytical methods requested under 40 C.F.R. § 63.7521(b)(2).

(4). Approval of major change to monitoring under 40 C.F.R. § 63.8(f) and as defined in 40 C.F.R. § 63.90, and approval of alternative operating parameters under 40 C.F.R. § 63.7500(a)(2) and 40 C.F.R. § 63.7522(g)(2).

(5). Approval of major change to recordkeeping and reporting under §63.10(e) and as defined in 40 C.F.R. § 63.90.

026 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is also derived from 40 C.F.R. § 63.7495(b).]

The owner or operator shall comply with the applicable requirements of 40 C.F.R. Part 63, Subpart DDDDD no later than January 31, 2016, except as provided in 40 C.F.R. § 63.6(i).

027 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is also derived from 40 C.F.R. § 63.7565 and Table 10 of 40 C.F.R. Part 63, Subpart DDDDD.]

The owner or operator shall refer to Table 10 of 40 C.F.R. Part 63, Subpart DDDDD for the parts of the General Provisions in 40 C.F.R. §§ 63.1 through 63.15 that apply to this source.

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

**SECTION E. Source Group Restrictions.**

Group Name: 11

Group Description: 25 pa Code 129.63a

Sources included in this group

ID	Name
101	FLUSH/BLOWOUT BOOTH #1603
102	FLUSH/BLOWOUT BOOTH 1960
103	LUBRIC. SPRAY BOOTH #6779
117	SOLVENT CLEANER TANK #6836
124	LUBRICATION SPRAY BOOTH #1976
141	SOLVENT CLEANER TANK #6172
142	SOLVENT CLEANING TANK #6169

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 §129.63a]****Control of VOC emissions from industrial cleaning solvents.**

In accordance with 25 Pa. Code 129.63a(h)(2) the permittee shall maintain records of all of the following information for this source:

- (i) A copy of the applicable Federal government entity standard or specification which the solvent used in this source is subject to.
- (ii) The VOC content or composite vapor pressure, as applied. The composite vapor pressure as applied shall be determined in accordance with 25 Pa. Code 129.63a(i)&(j).
- (iii) The volume used or applied monthly.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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 E. Source Group Restrictions.**

Group Name: 3

Group Description: solvent usage

Sources included in this group

ID	Name
117	SOLVENT CLEANER TANK #6836

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 amount and type of solvent used by this source on a weekly basis when in use.

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record the amount and type of solvent used by this source on a weekly basis when in use, and perform monthly calculations to demonstrate compliance with the 12 consecutive month VOC emission limit.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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 E. Source Group Restrictions.**

Group Name: 4

Group Description: Deminimus for VOC

Sources included in this group

ID	Name
131	AIR STRIPPING COLUMN #3542
133	ANNEALING FURNACE

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.112(c)(2).]

The VOC emissions from each source in this source group shall not exceed 3 lbs/hr, 15 lbs/day, and 2.7 tons in any 12 consecutive month period.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.112(c)(2)].

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate VOC emissions to demonstrate compliance the emission limitations.

[Compliance with paragraph (b) of this condition assures compliance with 25 Pa. Code § 129.115(f)].

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of VOC emission calculations to demonstrate compliance with the emission limitations.

[Compliance with paragraph (b) of this condition assures compliance with 25 Pa. Code § 129.115(f)].

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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 F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description
031	TITUSVILLE BOILER #2166
Emission Limit	
1.200 Lbs/MMBTU	SO2
0.400 Lbs/MMBTU	Particulate Matter
2.700 Tons/Yr	VOC
3.000 Lbs/Hr	VOC
15.000 Lbs/Day	VOC
032	TITUSVILLE BOILER #2526
Emission Limit	
1.200 Lbs/MMBTU	SO2
0.400 Lbs/MMBTU	Particulate Matter
2.700 Tons/Yr	VOC
3.000 Lbs/Hr	VOC
15.000 Lbs/Day	VOC
101	FLUSH/BLOWOUT BOOTH #1603
Emission Limit	
11.200 Tons/Yr	VOC
102	FLUSH/BLOWOUT BOOTH 1960
Emission Limit	
6.100 Tons/Yr	VOC
103	LUBRIC. SPRAY BOOTH #6779
Emission Limit	
15.000 Tons/Yr	VOC
117	SOLVENT CLEANER TANK #6836
Emission Limit	
6.600 Tons/Yr	VOC
124	LUBRICATION SPRAY BOOTH #1976
Emission Limit	
6.900 Tons/Yr	VOC
125	GENERAL SOURCE FUG EMIS
Emission Limit	
13.800 Tons/Yr	VOC
131	AIR STRIPPING COLUMN #3542
Emission Limit	
2.700 Tons/Yr	VOC
3.000 Lbs/Hr	VOC
15.000 Lbs/Day	VOC

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor
133	ANNEALING FURNACE
Emission Limit	
2.700 Tons/Yr	Pollutant VOC
3.000 Lbs/Hr	VOC
15.000 Lbs/Day	VOC
149	VAPOR DEGREASER #661
Emission Limit	
80.900 Tons/Yr	Pollutant VOC
40,250.000 Lbs/QTRLY	VOC
160	EMERGENCY GENERATOR
Emission Limit	
500.000 PPMV	Pollutant SO2
0.040 gr/DRY FT3	Particulate matter TSP
161	2 PICKLING TANKS WITH MIST ELIMINATOR & ONE PASSIVATION TANK
Emission Limit	
5.910 Tons/Yr	12-month rolling sum for the pickling operation Pollutant Hydrogen Fluoride
12.700 Tons/Yr	12-month rolling sum for the pickling operation NOX

Site Emission Restriction Summary

Emission Limit	Pollutant
96.200 Tons/Yr	VOC
49.900 Tons/Yr	NOX

**SECTION H. Miscellaneous.**

(A) The following previously issued Title V Operating Permit serves as the basis for certain terms and conditions set forth in this renewal TV Permit:

OP-46-0020,
OP-46-0020B, and
PA-46-0020C.
TVOP-46-00020 (with amendments cited below)

(B) The site inventory list, headings and captions set forth in this permit, including specifically the identification of a "Source Capacity/Throughput" for individual sources in Sections A and D of the permit, are for informational purposes only and do not constitute enforceable limitations.

(C) 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 additional limitations, monitoring, or recordkeeping:

OFFICE

- Main office air conditioner.
- Various window air conditioning units.
- Portable electric space heaters.
- Blue print copy machine.
- Various copying machines.
- Various fax machines.
- Various computers and printers.
- Miscellaneous office supplies, such as: "White out", felt tip markers, and pens, etc.
- Miscellaneous cleaners and janitorial supplies.
- Chemical test lab operations and associated small quantities of lab chemicals.

MANUFACTURING OPERATIONS

- Various types of portable fire extinguishers.
- Various cutting, grinding and polishing machines through out the facility, both with and without control devices, not to include those sources already covered by this Title V permit.
- Local, non-vented dust and fume collectors for die room operations
- Various shop vacuums.
- Compressed gas (plant air, hydrogen, nitrogen, and argon) at tube blow out stations.
- Power floor sweepers.
- Storage cylinders for the following (helium, argon, nitrogen and hydrogen).
- Electrically-fired heat treating furnaces.
- Ink-jet identification marker.
- Non-destructive testing operations.
- Various types of tube processing equipment, including: draw benches, tagging machines, cutting machines (not covered in other parts of this operating permit) roll straighteners, overhead cranes, and miscellaneous finishing equipment.
- Acid House Fugitives (Carbon bay tanks, Middle bay tanks, Finish bay, and Speciality metals bay).
- Eight (8) Radiac saws (Weld Mill, 288, 1479, 1869, 631, 6627, 58, and 1424), and their associated control devices.
- Machine Shop and control device.
- Weld Mill Cutting (1102) and control device.
- Grinder (1395) and control device.

MAINTENANCE OPERATIONS

- Various maintenance activities and associated tools and equipment
- Machine shop equipment including: lathes, boring machines, band and reciprocating saws (not covered in other parts of this operating permit) bench grinders, drill presses, and various other types of tool room equipment used for routine maintenance.
- Safety Kleen and equivalent parts cleaners.
- Cans of spray paint used for touch-up spray painting.
- Structural preparation and painting operations.
- Carpenter and box shop operations.

**SECTION H. Miscellaneous.**

- Demolition and disposal of various equipment and structures.

MISCELLANEOUS OPERATIONS

- Company motor vehicles, plus a farm tractor, mobile crane and forklifts
- Gasoline powered fire pump.
- Small confidential document shredder.
- Natural gas direct-fired space heaters.
- Mixing tank for boiler additives.
- Various bulk storage tanks, including: liquid hydrogen, liquid nitrogen, propane, #6 fuel oil (20,000 gal), kerosene (550 and 1,000 gal), gasoline tank (500 gal), nitric acid, and mixed acid storage.
- Sewage pumping station.
- Sewage treatment plant.
- Sewage ejectors.
- Sewage ejector pumps.
- Plant ventilation fans and blowers.
- Miscellaneous confined space blowers for pits, pipelines, and vaults.
- Pilot in-situ vapor extraction
- QA/QC operations involving hand spraying of Spot-check developer and penetrant onto various metal products.
- HGM-2000 hydrogen generator
- Tank #6169 (55-gallon isopropyl alcohol tank). Estimated VOC = 0.4 ton/yr
- Prompt clean of small, contained spills. Estimated VOC = 0.1 ton/yr
- Small nitric and hydrochloric acid passivation tanks and associated 55-gallon isopropyl alcohol tank). Estimated VOC = 0.05 ton/yr and 0.04 ton/yr, respectively

(D) August 2002. The permit was amended to address the appeal of the issued Title V operating permit, and to incorporate changes brought on Plan Approval PA-46-0020B.

(E) January 2003. The Title V permit was amended to incorporate a new batch vapor degreaser and carbon adsorption control system from Plan Approval PA-46-0020C.

(F) March 2003. The permit was amended to address two typographical errors in Source #104.

(G) April 2005. APS - 547610, AUTH ID - 585179. Amendment to address a change of ownership from Superior Tube Company, Tax ID 23-118550-1 to Superior Tube Company, Inc., Tax ID 86-1118863-1. Additional changes include a bypass stack for the vapor degreaser (Source 149), and the removal of Solvent Cleaner Tank 6516 (Source 116).

March 2007. Source 119 removed from the permit as per letter from the permittee.

February 13, 2008. APS No. 345205; Authorization No. 712646: Title V Minor Operating Permit Modification.

November 30, 2009. APS No. 345205; Auth No. 810244: Title V Operating Permit Administrative Amendment. *** Incorporation of Plan Approval "E" ***

TVOP Renewal 46-00020, APS # 345205, AUTH # 868440.

APS No. 345205; Auth No. 964561: Title V Operating Permit Administrative Amendment. Plan Approval Nos. 46-0020F, and 46-0020I are incorporated with all terms and conditions in this Operating Permit.

**SECTION H. Miscellaneous.**

December 30, 2019, APS No. 345205,

- 1) Title V Operating Permit Renewal; Auth No. 1109996
- 2) Administrative amendment; Auth No. 1156857, for incorporation of Plan Approvals: 46-0020H, 46-0020J/G, and 46-0020K; and change of Responsible Official.
- 3) Minor modification; Auth No. 1156858, to address presumptive RACT as per 25 Pa. Code 129.97.
- 4) Significant modification; Auth No. 1156445, to address presumptive RACT as per 25 Pa. Code 129.99.
- 5) Facility no longer uses TCE solvents therefore:
 - i) all references to TCE have been removed from the permit.
 - ii) all 40 CFR Part 63 Subpart T citations have been removed from the permit.
 - iii) Alternate operating Scenario has been removed from Source ID 149.
- 6) RACT I & II VOC requirements (3 lb/hr, 15 lb/day & 2.7 tpy) added to Source ID 133.
- 7) Site level monitoring interval for odor, visible emissions and fugitive emissions has been increased from once per operating day to weekly, based upon a DEP letter dated: 5/22/2014.
- 8) Source ID: 107, 108A & 127 replaced by Source ID 161 (Plan Approvals 46-0020G & 46-0020J).
- 9) Source ID: 170 added to the permit (Plan Approval 46-0020K).
- 10) Source ID: 130 & 132 disconnected and removed from permit.
- 11) Boiler MACT & RACT II requirements added to Source ID: 031 & 032 (Plan Approval 46-0020H).
- 12) 25 Pa. Code 123.22 updates made to combustion units.
- 13) Removed "combined" VOC limit from Source ID 141.
- 14) Source ID 160: Change weekly to monthly monitoring of operating hours and added 12-month rolling recordkeeping requirement.
- 15) Added 40 CFR Part 63 Subpart ZZZZ (RICE MACT) requirements to Source ID 160.
- 16) Added recordkeeping requirement for 25 Pa. Code 129.63a(h)(2) to Source IDs: 101, 102, 103, 117, 124, 141, 142 & 170. Removed applicability of 25 Pa. Code 129.63(a) from ID 117.
- 17) The following condition has been moved here from Section C:
 - A. The following previously issued Title V Operating Permit and Plan Approvals serve as the basis for certain terms and conditions set forth in this renewed Title V Permit:
 - OP-46-0020,
 - OP-46-0020B,
 - PA-46-0020C, and
 - PA-46-0020E
 - B. The following equipments have been physically disabled or removed, and do not contain, store any VOC
 - (1) Solvent Cleaning Tank #1369 (Source # 115)
 - (2) Lubrication Dip Tank # 6876 (Source # 119)
 - (3) Lubrication Dip Tank # 1205 (Source # 121)
 - (4) Solvent Cleaning Tank #6983 (Source # 143)
 - (5) Solvent Cleaning Tank # 1292 (Source # 113)
 - (6) Storage tank # 6825 (Source #123)

***** July, 2021. APS No. 345205; Auth No. 1330820 *****

Title V Operating Permit Administrative Amendment. Incorporation of Plan Approval 46-0020L . Adding PAL requirements to this permit.

***** March, 2023. APS No. 345205; Auth No. 1425212 *****

Updated permit to:

- (1) address reclassification of n-propyl bromide (nPB) as a Hazardous Air Pollutant (HAP) ,
- (2) remove Groups with no associated sources,
- (3) removed one-time compliance obligations,
- (4) correct typographical errors and
- (5) for Source Group 1 (Source IDs 031 and 032) updated No. 2 fuel oil sulfur limit from 500 ppm to 15 ppm.

***** January 2025, APS No. 345205; Auth No. 1487153 *****

- (1) Operating permit renewal,
- (2) Source ID 170 has been removed from the facility and permit.
- (3) Allowable No. 2 fuel oil Sulfur content reduced from 0.05% to 0.0015%
- (4) Monitoring frequency for odors, visible emission and fugitive PM has been reduced from weekly to monthly
- (5) Source ID 133, one (of two) annealing furnace (asset number 3042) removed from facility and permit, Source Name changed to

**SECTION H. Miscellaneous.**

"Annealing Furnace".

- (6) Updated conditions to RACT III citations.
- (7) Responsible Official updated to Mark Heuberger.
- (8) Reduce Sitewide NOx limit from 79.2 tpy to 49.9 tpy.
- (9) Added new 978 MMscf/yr site-wide natural gas fuel usage limitation.



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