



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: January 27, 2023

Effective Date: February 1, 2023

Expiration Date: January 31, 2028

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: 09-00122

Federal Tax Id - Plant Code: 85-3517505

Owner Information

Name: ALTUGLAS LLC
Mailing Address: 100 ROUTE 413
BRISTOL, PA 19007-3605

Plant Information

Plant: ALTUGLAS LLC/BRISTOL TWP
Location: 09 Bucks County 09001 Bristol Township
SIC Code: 2821 Manufacturing - Plastics Materials And Resins

Responsible Official

Name: CHAD WALKER
Title: ALTUGLAS PLANT MGR
Phone: (513) 484 - 3713 Email: cwalker@trinseo.com

Permit Contact Person

Name: PATRICK F WEBB
Title: HES MGR
Phone: (215) 826 - 2684 Email: pwebb@trinseo.com

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



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

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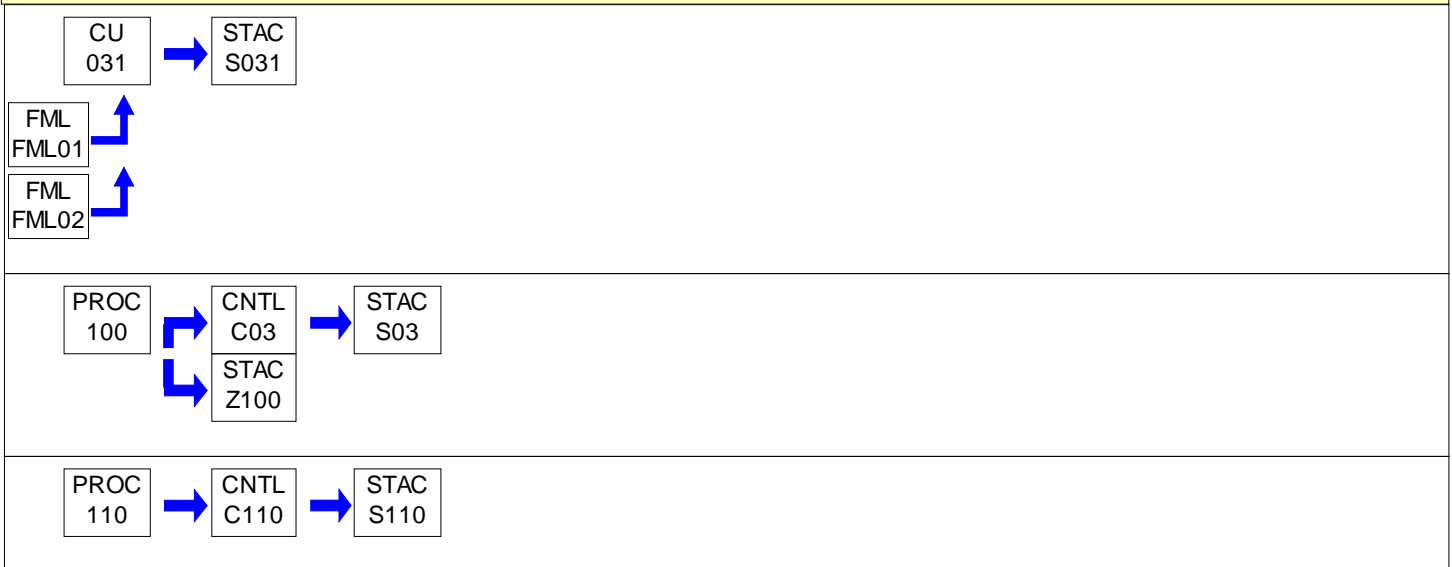
Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	SMALL NG & NO. 2 FUEL OIL BOILER	14.650 MMBTU/HR	
		N/A	Natural Gas
		N/A	#2 Oil
100	BLDG 66 PLASTIC ADDITIVES PROCESS	N/A	ACRYLIC POLYMER EMULSION
110	N-DDM STORAGE TANK	N/A	N-DODECYLMERCAPTAN
117	COMPOUNDING LINE 17	20.000 Tons/HR	POLYMER
230	BLDG 115 (HOUSE VACUUM SYSTEM)	N/A	MODIFIER POWDER
300	BLDG 133 HOUSE VACUUM	N/A	ACRYLIC RESINS
400	BLDG 142 HOUSE VACUUM	N/A	MODIFIER POWDER
500	LINE 15 EXTRUDER (VACUUM VENT)	N/A	RESIDUAL MONOMER
501	LINE 15 POWDER HANDLING (627/710)	N/A	POWDER MODIFIER
520	LINE 15 PELLET/POWDER FEEDER	N/A	ACRYLIC PELLETS AND POWDER
530	LINE 15 SCREENER (693-02)	N/A	ACRYLIC PELLETS
540	LINE 15 PELLET FEED (613/614)	N/A	ACRYLIC PELLETS
550	LINE 15 SILOS (610/612)	N/A	ACRYLIC PELLETS
690	SPRAY DRYER	N/A	EMULSION PARTICULATE
691B	PACKOUT OPERATION FROM SPRAY DRYER	N/A	SPRAY DRIED EMULSION
700	PM-1/PM-2 HOUSE VACUUM (PO2)	N/A	RESIN PELLETS
723	PM-1 ACRYLIC MOLDING RESIN PROCESS	N/A	ACRYLIC RESINS
731A	STANDBY EMERGENCY GENERATORS (2)	2.000 MMBTU/HR	
		N/A	Diesel Fuel
740	PM-2 SCREENER (213)	N/A	ACRYLIC RESINS
741	PM-1 SCREENERS (213)	N/A	ACRYLIC POLYMER
750	PM-1 POWDER HANDLING (317/318)	N/A	POWDER
760	PM-2 PRODUCT CYCLONE (215)	N/A	ACRYLIC RESIN PELLETS
770	PM-2 HOLD TANK/BLENDER (872)	N/A	ACRYLIC RESINS
800	MISCELLANEOUS VOC SOURCES		
810	ETHYL ACRYLATE STORAGE TANK	N/A	ETHYL ACRYLATE
820	BUTYL ACRYLATE STORAGE TANK	N/A	BUTYL ACRYLATE
900	PM BLENDER CYCLONE (526)	N/A	ACRYLIC RESINS
910	PM BLENDER (535)	N/A	ACRYLIC RESINS
998	40 CFR 63, SUBPART EEEE	N/A	
999	40 CFR 63, SUBPART FFFF	N/A	
C02	BIN VENT FILTERS (PE 730)		
C03	BLDG 66 SCRUBBER		
C110	55-GAL CARBON ADSORPTION CANNISTER		
C117-1	RAW MATERIAL SYSTEM FILTER		
C117-2	PROCESS DUST COLLECTOR		
C117-3	EXTRUDER SCRUBBER		
C117-4	ROTOCLONE		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
C117-5	SCREENER CYCLONE FILTER		
C117-6	FINISHED PRODUCT CONVEYING SYSTEM FILTER		
C230	FLEX KLEEN BAGHOUSE (PE 230)		
C25	PM-1 FINES BAGHOUSE (213)		
C27	PM-2 SCREENER BAGHOUSE		
C300	BLDG 133 HOUSE VACUUM BAGHOUSE		
C317	PM-1 POWDER HANDLING BAGHOUSE (317)		
C318	PM-1 POWDER HANDLING FILTER (318)		
C320	PM-1 POWDER HANDLING BAG FILTER (320)		
C400	BLDG 142 BAGHOUSE		
C501	LINE 15 POWDER SILO BAGHOUSE (627)/BAGFILTER (710)		
C540	LINE 15 PELLET ROLL FILTER BAGHOUSE (614)		
C550	LINE 15 SILOS (610/612) BIN FILTER		
C63	FLEX KLEEN BAGHOUSE (PE 170)		
C64	FLEX KLEEN BAGHOUSE (PE 172)		
C65	FLEX KLEEN BAGHOUSE (PE 174)		
C67	LINES 15 FINES CYCLONE		
C700	PM-1/PM-2 HOUSE VACUUM BAGHOUSE		
C723	PM-1/PM-2 SCRUBBER		
C760	PM-2 PRODUCT CYCLONE BAGHOUSE (215)		
C770	PM-2 HOLD TANK/BLENDER BAGHOUSE (872)		
C900	PM CYCLONE BAGHOUSE (526)		
C910	PM BLENDER BAGHOUSE (535)		
FML01	NATURAL GAS SERVICE		
FML02	NO. 2 F.O. TANKS		
FML03	DIESEL FUEL TANKS		
S02	AIR BIN VENT FILTERS (PE 730)		
S03	BLDG 66 SCRUBBER STACK		
S031	BOILER STACK		
S110	N-DDM STORAGE TANK VENT		
S117-1	RAW MATERIAL SYSTEM FILTER STACK		
S117-2	PROCESS DUST COLLECTOR STACK		
S117-4	ROTOCLONE STACK		
S117-5	SCREENER CYCLONE FILTER STACK		
S117-6	FINISHED PRODUCT CONVEYING SYSTEM FILTER STACK		
S230	BLDG 115 BAGHOUSE STACK		
S30	PM-2 SCREENER (213) VENT		
S300	BLDG 133 BAGHOUSE VENT		
S32	PM-1 SCREENER (213) VENT		
S400	BLDG 142 BAGHOUSE VENT		

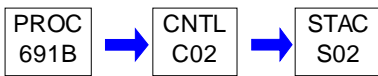
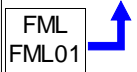
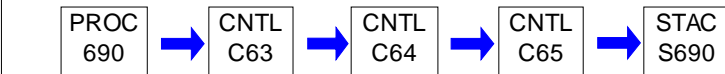
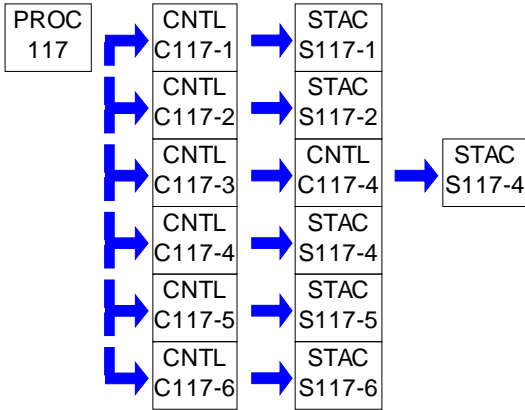
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S501	LINE 15 POWDER HANDLING (627/710) VENT		
S540	LINE 15 PELLET FEED VENT (613/614)		
S550	LINE 15 SILOS VENTS (610/612)		
S67	LINE 15 SCREENER VENT		
S690	SPRAY DRYER/BAGHOUSE STACK		
S700	PM-1/PM2 HOUSE VACUUM VENT		
S731A	STANDBY EMERGENCY GENERATORS STACKS (2)		
S750	PM-1 BAGHOUSE VENT (317/318)		
S760	PM-2 PRODUCT CYCLONE VENT (215)		
S770	PM-2 HOLD TANK/BLENDER BAGHOUSE VENT (872)		
S79	PM-1/PM-2 PROCESS VENT		
S810	EA STORAGE TANK VENT		
S820	BA STORAGE TANK VENT		
S900	PM CYCLONE BAGHOUSE VENT (526)		
S910	PM BLENDER BAGHOUSE VENT (535)		
Z100	BLDG 66 FUGITIVE EMISSIONS		
Z723	PM1 FUGITIVE EMISSIONS		

PERMIT MAPS

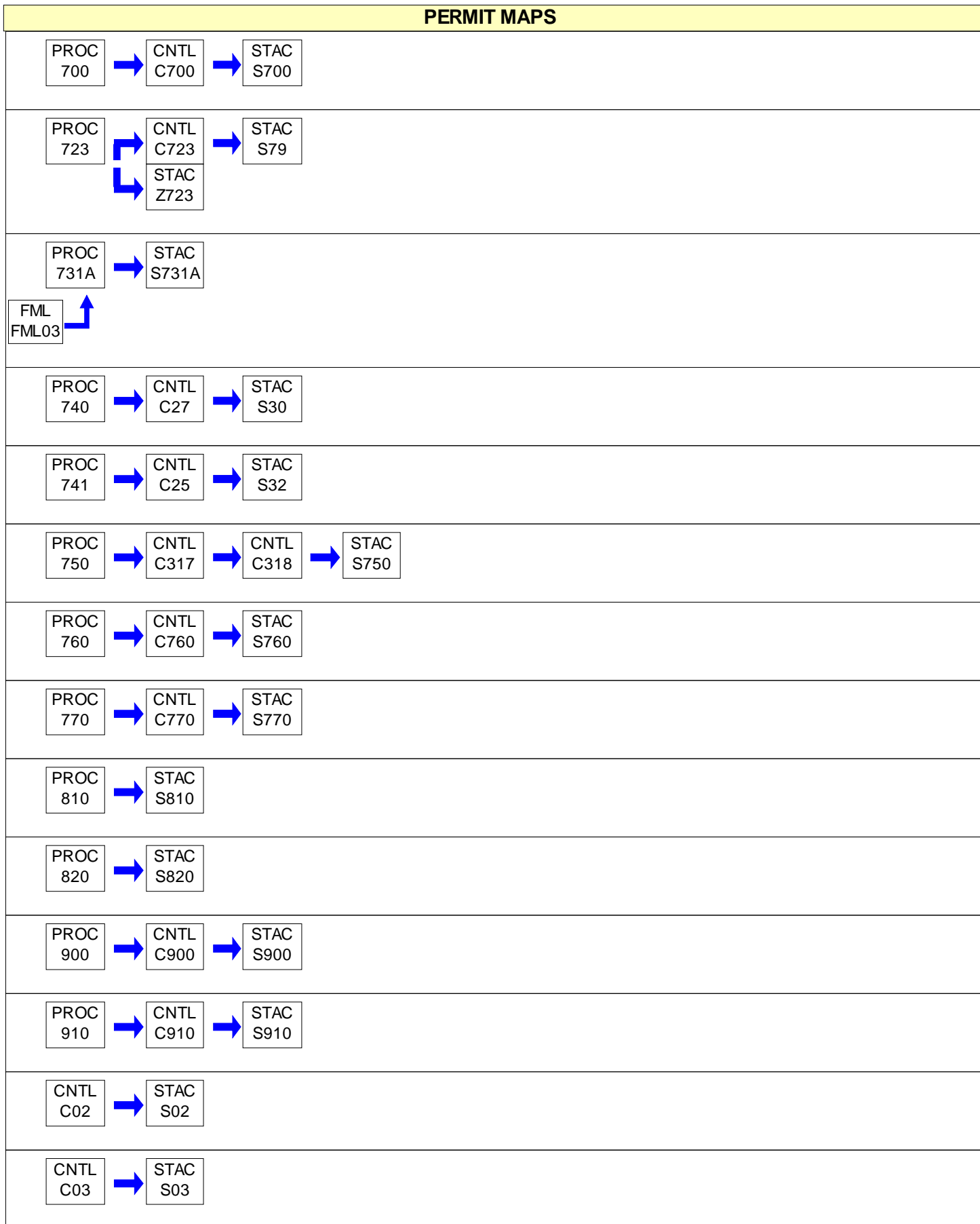


PERMIT MAPS





PERMIT MAPS





PERMIT MAPS

CNTL
C110 → STAC
S110

CNTL
C117-1 → STAC
S117-1

CNTL
C117-2 → STAC
S117-2

CNTL
C117-3 → CNTL
C117-4 → STAC
S117-4

CNTL
C117-4 → STAC
S117-4

CNTL
C117-5 → STAC
S117-5

CNTL
C117-6 → STAC
S117-6

CNTL
C230 → STAC
S230

CNTL
C25 → STAC
S32

CNTL
C27 → STAC
S30

CNTL
C300 → STAC
S300

CNTL
C317 → CNTL
C318 → STAC
S750

CNTL
C318 → STAC
S750

CNTL
C400 → STAC
S400

CNTL
C501 → STAC
S501



PERMIT MAPS

CNTL
C540 → STAC
S540

CNTL
C550 → STAC
S550

CNTL
C63 → CNTL
C64 → CNTL
C65 → STAC
S690

CNTL
C64 → CNTL
C65 → STAC
S690

CNTL
C65 → STAC
S690

CNTL
C67 → STAC
S67

CNTL
C700 → STAC
S700

CNTL
C723 → STAC
S79

CNTL
C760 → STAC
S760

CNTL
C770 → STAC
S770

CNTL
C900 → STAC
S900

CNTL
C910 → STAC
S910



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 §121.7]****Prohibition of air pollution.**

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

002 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

No person may permit the emission into the outdoor atmosphere of 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), for which the operator 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.
 - (ii) The emissions are not preventing or interfering with the attainment or maintenance of ambient air quality standard.

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

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

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

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

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

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

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

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

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

- (a) When the presence of uncombined water is the only reason for failure of the emission 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 sources specified in 25 Pa. Code § 123.1(a)(1) – (8) (relating to prohibition of certain fugitive emissions).

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.96 - 129.100]

The permittee shall ensure that the volatile organic compounds (VOC) emissions from the Altuglas ILLC Bristol facility shall not exceed 49.9 tons a year, as a 12-month rolling sum.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.96 - 129.100]

The permittee shall ensure that the nitrogen oxides (NOx) emissions from the Altuglas LLC Bristol facility shall not exceed 99.0 tons a year, as a 12-month rolling sum.

009 [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 purposes 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 premise 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.
- (g) A fire set solely for cooking food.

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

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

**SECTION C. Site Level Requirements**

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

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

The Department reserves the right to require exhaust stack testing of any source(s) as necessary to verify emissions for purposes including determining the correct emission fee, malfunctions, or determining compliance with any applicable requirement.

III. MONITORING REQUIREMENTS.**# 012 [25 Pa. Code §123.43]****Measuring techniques**

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

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

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

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

- (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).
 - (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).
 - (3) Be recorded in a permanent written log.
- (c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly.
- (d) After six (6) month 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 and the semi-annual report of monitoring and record keeping, complaints, monitoring results, and/or Department findings.
- (f) The visible emissions monitoring required under this condition is intended to constitute an observation of visible emissions, not the quantification of visible emissions by the methods described in 25 Pa. Code § 123.43.

IV. RECORDKEEPING REQUIREMENTS.**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

**SECTION C. Site Level Requirements**

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; and
- (c) the corrective action taken, if necessary, to abate the situation and prevent future occurrences.

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

(a) The permittee shall calculate and maintain records of the total VOC and NOx emissions from the facility as a 12-month rolling sum.

(b) The permittee shall calculate and maintain records of the individual and aggregate hazardous air pollutants (HAPs) emissions from the facility as a 12-month rolling sum.

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

(a) The permittee shall record all spills/releases of volatile organic liquids, of the following amounts:

(1) A release of more than twenty-five (25) gallons to a containment area, structure or facility around an aboveground storage tank;

(2) A release of more than five (5) gallons to a synthetic surface, such as asphalt or concrete;

(3) A release of more than one (1) gallon to surface soils.

(b) Information to be recorded, at a minimum, shall be the following:

(1) The quantity of substance involved;

(2) The date and time the release occurred;

(3) Interim remedial action planned, initiated, and/or completed.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.91-94 and § 127.512(h)]

(a) The permittee shall keep records to demonstrate compliance with 25 Pa. Code §§ 129.91-129.94.

(b) The records shall provide sufficient data and calculations to clearly demonstrate that the requirements of 25 Pa. Code §§ 129.91-94 are met.

(c) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(d) The records shall be maintained on site, in a format approved by the Department and shall make them available upon request.

018 [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.

**SECTION C. Site Level Requirements**

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

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

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

The permittee shall submit the following:

- (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 the 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. xxx, 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).

020 [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.
- (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.

**SECTION C. Site Level 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.

021 [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.

022 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]**Subpart A - General Provisions****Address.**

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

(a) The permittee shall submit all requests, reports, applications, submittals, and other communications to both the Administrator and to the Regional Office of the Department. The copies shall be forwarded to:

U.S. EPA, Region III Office of Permits & Air Toxics (3AP10) 1650 Arch Street Philadelphia, PA 19103-2029	Air Quality Program Manager PA Department of Environmental Protection Southeast Regional Office 2 East Main Street Norristown, PA 19401
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(b) Submission of the annual certification of compliance shall be submitted in electronic form to the EPA Region III web address in Condition #019.

VI. WORK PRACTICE REQUIREMENTS.**# 023 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

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

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

(c) Paving and maintenance of roadways.

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

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

(a) 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.

(b) Compliance with the terms and conditions of Sections C and D of this permit constitutes compliance with this condition.

**SECTION C. Site Level Requirements****# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall immediately upon discovery implement measures, including 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.

026 [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.

VII. ADDITIONAL REQUIREMENTS.**# 027 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****Am I subject to this subpart?**

(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 60.4211(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4211(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart III and must meet all requirements for non-emergency engines.

(c) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compressions (CI) internal combustion engines. The Standby Emergency Generators (Source ID: 731A) are subject to this subpart.

028 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2]**Subpart A--General Provisions****Definitions.**

Pursuant the subpart, the Altuglas LLC Bristol Plant is defined as a major source of hazardous air pollutants (HAPs). A major source means any stationary source or group of stationary sources located within a contiguous area and under common control that emits or has the potential to emit considering controls, in the aggregate, 10 tons per year or more of any hazardous air pollutant or 25 tons per year or more of any combination of hazardous air pollutants

029 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Am I subject to this subpart?**

(a) The Altuglas LLC Bristol Plant is subject to the provisions of this regulation which establishes emission standards and operating practices for the source category of new and existing industrial, commercial, and institutional boilers located at major sources of hazardous air pollutants (HAPs).

(b) On September 28, 2009, the facility submitted a Plan Approval application meeting the requirements of Section 112(j) "MACT Hammer" (Part 1) for an existing facility. On November 25, 2009, the facility submitted a Plan Approval application meeting the requirements of "MACT Hammer" (Part 2).

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**

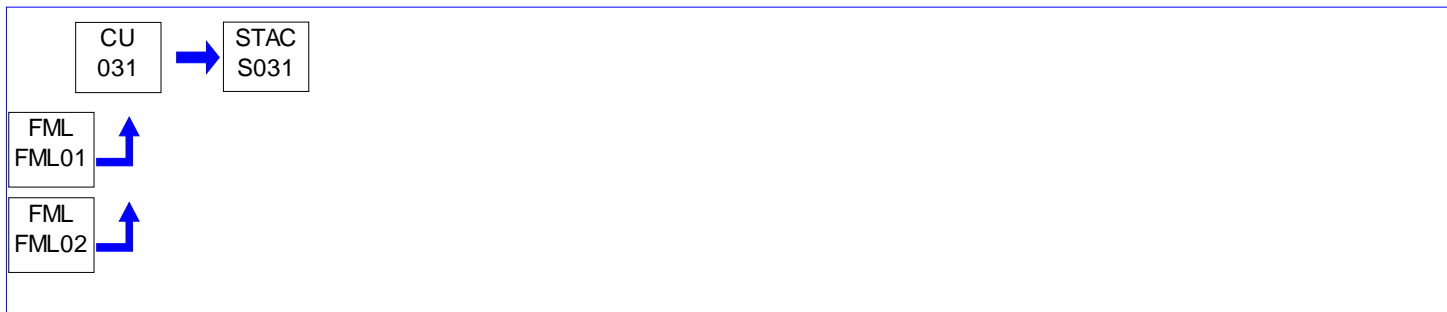
Source ID: 031

Source Name: SMALL NG & NO. 2 FUEL OIL BOILER

Source Capacity/Throughput: 14.650 MMBTU/HR

N/A Natural Gas

N/A #2 Oil

**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 a combustion unit 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 §123.22]**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides (SO_x), expressed as SO₂, from any combustion unit, in the Southeast Air Basin, in excess of 1.0 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(i).

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

The permittee shall ensure that the combined emissions from the Small Natural Gas & No. 2 Fuel Oil Boiler (Source ID: 031) shall not exceed the following, when firing No. 2 fuel oil:

Pollutant	Emission Limits	
	(lbs/hr)	(tpy)*
Nitrogen Oxides (NO _x)	3.26	14.29
Carbon Monoxide (CO)	6.62	28.99

(* calculated on a 12-month rolling basis.)

Fuel Restriction(s).**# 004 [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 contains sulfur which in excess of 0.05% by weight sulfur content for No. 2 oil, 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) Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer prior to July 1, 2016, which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016, in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.

**SECTION D. Source Level Requirements**

[Compliance with this more stringent condition also assures compliance with the streamlined fuel oil sulfur content limit condition of 40 CFR § 60.42c(d).]

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

- (a) The permittee shall ensure that natural gas is used as the primary fuel for the Small Natural Gas & No. 2 Fuel Oil Boiler (Source ID: 031).
- (b) In accordance with 40 CFR § 63.7575, No. 2 fuel oil will be used as back-up fuel.
- (c) If the operating hours exceed 48 hours for use, not including use during natural gas curtailment, the permittee shall comply with the requirement of 40 CFR Part 63, Subpart DDDDD pertaining the "unit 1 fuel subcategory."

II. TESTING REQUIREMENTS.**# 006 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

- (a) The following are applicable to 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 sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15).
 - (3) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).
- (b) The requirements in subpart (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

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

- (a) The permittee shall monitor the type and amount of fuel used in the Small Natural Gas & No. 2 Fuel Oil Boiler (Source ID: 031) on a monthly basis, whenever the units are operating.
- (b) The permittee shall monitor and record the hours of operation and its purpose when using No. 2 fuel oil.
- (c) The permittee monitor the amount of NOx and CO emissions from the Small Natural Gas & No. 2 Fuel Oil Boiler (Source ID: 031) on a monthly basis, whenever the units are operating.

IV. RECORDKEEPING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall maintain records of the type and amount of fuel used in the Small Natural Gas & No. 2 Fuel Oil Boiler (Source ID: 031) on a monthly basis, whenever the units are operating.
- (b) The permittee shall calculate and maintain records of the amount of NOx and CO emission from the Small Natural Gas & No. 2 Fuel Oil Boiler (Source ID: 031) on a monthly basis and on a twelve (12) month rolling basis.

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

If fuel supplier certification is used to demonstrate compliance with the sulfur content in fuel oil restriction of 25 Pa. Code §

**SECTION D. Source Level Requirements**

123.22 (Condition #004), the permittee shall maintain records of fuel supplier certification as described below. The fuel supplier certification shall include the following information for the No. 2 fuel oil:

- (1) The name of the oil supplier;
- (2) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR § 60.41c; and
- (3) The sulfur content or maximum sulfur content of the oil.

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

The permittee subject to the sulfur content in fuel oil restriction of 25 Pa. Code § 123.22 (Condition #004) shall keep records and submit to the EPA Administrator reports as required, including the following information, as applicable.

- (a) Calendar dates covered in the reporting period.
- (b) Each 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period; reasons for any noncompliance with the emission standards; and a description of corrective actions taken.

[Compliance with this condition also assures compliance with the reporting and recordkeeping requirements of 40 CFR § 60.48c.]

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.**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40c]****Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Applicability and delegation of authority.**

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

- (a) The Small NG & No. 2 Fuel Oil Boiler (Source ID: 031) is subject to the New Source Performance Standards of 40 CFR 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units).
- (b) The affected unit to which 40 CFR 60, Subpart Dc applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)) or less, but greater than or equal to 2.9 MW (10 MMBtu/hr).

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****When do I have to comply with this subpart?**

The owner or operator of an existing boiler or process heater subject to this subpart must comply with this subpart no later than January 31, 2016.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7499]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**SECTION D. Source Level Requirements****What are the subcategories of boilers and process heaters?**

(a) The Small NG & No. 2 Fuel Oil Boiler (Source ID: 031) is classified in the subcategory of "units designed to burn gas 1 fuels".

(b) The owners or operators of boilers that are classified in the subcategory of "units designed to burn gas 1 fuels" must comply with the work practice standard of Table 3 of 40 CFR 63, Subpart DDDDD, which require a tune-up of the boiler as specified in 40 CFR § 63.7540.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate initial compliance with the emission limitations, fuel specifications and work practice standards?**

The owner or operator of a unit in the "unit designed to burn gas 1 fuels" subcategory, must submit a signed statement in the Notification of Compliance Status report that indicates that a tune-up of the unit was conducted.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?**

Pursuant to 40 CFR §§ 63.7540(a)(10)(i) through (vi), the owner or operator of boilers in the source category - heat input capacities of 10 MMBtu/hr or greater - must conduct an annual tune-up of the boiler as specified:

(a) 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). 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);

(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.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

The owner or operator of a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that intends to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in 40 CFR § 63.7575, 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 CFR § 63.7575. The notification must include the information specified in paragraphs (1) through (5).

(1) Company name and address.

(2) Identification of the affected unit.

(3) Reason you are unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was

**SECTION D. Source Level Requirements**

declared or the natural gas supply interruption began.

(4) Type of alternative fuel that you intend to use.

(5) Dates when the alternative fuel use is expected to begin and end.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

The owners or operators of units that are required to conduct an annual tune-up according to 40 CFR § 63.7540(a)(10) and not subject to emission limits or operating limits are required to submit an annual compliance report as specified in paragraphs (1) through (4).

(1) The first compliance report must cover the one (1) year period beginning on the compliance date per 40 CFR § 63.7495(b) (e.g, January 31, 2016) and ending December 31, 2016.

(2) The first annual compliance report must be postmarked or submitted no later than January 31, 2017.

(3) Each subsequent annual compliance report must cover the reporting period from January 1 to December 31.

(4) Each subsequent annual compliance report must be postmarked or submitted no later than January 31.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

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

What records must I keep?

The owner or operator of a unit in the "unit designed to burn gas 1 fuels" subcategory that uses an alternative fuel other than natural gas, refinery gas, gaseous fuel, or other gas 1 fuel must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies.

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7575]

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

What definitions apply to this subpart?

(a) Pursuant to 40 CFR § 63.7575, a "unit designed to burn gas 1 fuels" subcategory includes any boiler or process heater that burns only natural gas, refinery gas, and/or other gas 1 fuels. Gaseous fuel boilers and process heaters that burn liquid fuel for periodic testing of liquid fuel, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year, are included in this definition. Gaseous fuel boilers and process heaters that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition.

(b) Pursuant to 40 CFR § 63.7575, "natural gas" means:

(1) A naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane; or

(2) Liquefied petroleum gas, as defined in ASTM D1835 (incorporated by reference, see § 63.14); or

(3) A mixture of hydrocarbons that maintains a gaseous state at ISO conditions. Additionally, natural gas must either be composed of at least 70 percent methane by volume or have a gross calorific value between 35 and 41 megajoules (MJ) per dry standard cubic meter (950 and 1,100 Btu per dry standard cubic foot); or

(4) Propane or propane derived synthetic natural gas. Propane means a colorless gas derived from petroleum and natural gas, with the molecular structure C₃H₈.

**SECTION D. Source Level Requirements**

(c) Pursuant to 40 CFR § 63.7575, a "period of gas curtailment or supply interruption" means a period of time during which the supply of gaseous fuel to an affected boiler or process heater is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility.

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

**SECTION D. Source Level Requirements**

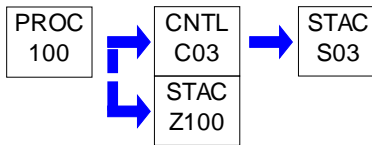
Source ID: 100

Source Name: BLDG 66 PLASTIC ADDITIVES PROCESS

Source Capacity/Throughput:

N/A

ACRYLIC POLYMER EMULSIONS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

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

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

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

The permittee shall ensure that the volatile organic compounds (VOCs) emissions from the following sources associated with the Bldg. 66 Plastic Additives Process (Source ID: 100) shall not exceed the following limits:

Source	Emission Limits		
	(lbs/hr)	(lb/yr*)	(tpy*)
Bldg. 66 Scrubber	0.163	1,430	0.71
Bldg. 66 fugitive and transfer piping emissions		6,000	

(* calculated on a 12-month rolling basis)

Control Device Efficiency Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Bldg. 66 Scrubber (Source ID: C03) consists of a 2-column water scrubber with an estimated 97% removal efficiency for volatile organic compounds (VOC)

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

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

(a) The permittee shall perform a stack test using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department. When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of this manual has been revised since approval, a new protocol must be submitted for approval.

(b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of

**SECTION D. Source Level Requirements**

representative samples.

(c) The stack test shall, at a minimum, demonstrate compliance with the control device VOC removal efficiency and the pollutant emission limits in Condition #002 of this section. Tests shall be conducted in accordance with the provisions of 40 CFR § 63.2354(b)(1) or other Department approved methodology and 25 Pa. Code Chapter 139.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following operating parameters for the Bldg. 66 Scrubbers (Source ID:C03) on a daily basis, when operating:

(a) Pressure drop across the throat of the scrubber, using a differential manometer or other Department approved method,

(b) Water flow rate to the scrubber, using a rotameter or other Department approved method.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall, using a LDAR Program or other Department approved method, monitor the VOC emissions from Bldg. 66 fugitive and transfer piping; and,

(b) The permittee shall calculate the VOC emissions from the Bldg. 66 Scrubbers (Source ID: C03) and Bldg. 66 fugitive and transfer piping on a monthly basis and on a 12-month rolling basis.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall maintain records of the following operating parameters for the Bldg. 66 Scrubbers (Source ID: C03) on a daily basis, when operating:

(a) Pressure drop across the throat of the scrubbers, using a differential manometer or other Department approved method;

(b) Water flow rate to the scrubbers, using a rotameter or other Department approved method.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall maintain records, using methods approved by Department, of the volatile organic compounds (VOC) emissions from the Bldg. 66 Scrubbers (Source ID: C03) on a monthly basis and on a 12-month rolling basis.

**SECTION D. Source Level 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.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall ensure that an operating pressure of at least 1.0 inch water gauge (w.g.) is maintained across the Bldg. 66 Scrubber system (Source ID: C03) whenever the system is venting to atmosphere.

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

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

The permittee shall ensure that a water flow rate of at least 25.0 gallons per minute (gpm) is maintained to the Bldg. 66 Scrubber system (Source ID: C03) using a water recirculation or fresh feed configuration.

VII. ADDITIONAL REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following equipment is associated with the Bldg. 66 Plastic Additives Process (Source ID: 100):

(a) Line No. 4 Train, consists of the following:

- (i) Two (2) Emulsion Tanks (#830, #840)
- (ii) Two (2) Catalyst Tanks (#856, #858)
- (iii) One (1) Reactor Kettle (#820)
- (iv) One (1) Activator Tank (#857)
- (v) Four (4) Emulsion Pit Tanks (#5, #6, #7, and #8) - shared with Line No. 5 Train

(b) Line No. 5 Train, consists of the following:

- (i) One (1) Reactor Kettle (#815)
- (ii) Two (2) Emulsion Tanks (#825, #835)
- (iii) Catalyst Tanks (#850, #854)
- (iv) Activator Tank (#852)

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

**SECTION D. Source Level Requirements**

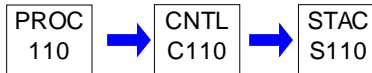
Source ID: 110

Source Name: N-DDM STORAGE TANK

Source Capacity/Throughput:

N/A

N-DODECYLMERCAPTAN

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the volatile organic compound (VOC) emissions from the n-DDM Storage Tank (Source ID: 110) shall not exceed 100 pounds per year, on a 12-month rolling basis.

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 following parameters to demonstrate compliance with the provisions of 25 Pa. Code § 129.57 for the n-DDM Storage Tank (Source ID: 110):

- (a) the vapor pressure, and;
- (b) the type of volatile organic liquid stored.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate the VOC emissions from the n-DDM Storage Tank (Source ID: 110) on a 12-month rolling basis to demonstrate compliance with the annual VOC emission limit.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records, on a 12-month rolling basis, to demonstrate compliance with the VOC emission limit for the n-DDM Storage Tank (Source ID: 110).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain all records necessary, including the vapor pressure and the type of volatile organic liquid stored, to demonstrate compliance with the provisions of 25 Pa. Code § 129.57 for the n-DDM Storage Tank (Source ID: 110).

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall ensure that the n-DDM Storage Tank (Source ID: 110) is equipped with a fully operational closed-loop vapor recovery and carbon adsorption system.

(b) The permittee shall ensure that the closed-loop vapor recovery and carbon adsorption systems are maintained and operated in accordance with the manufacturers' specifications and consistent with good maintenance practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

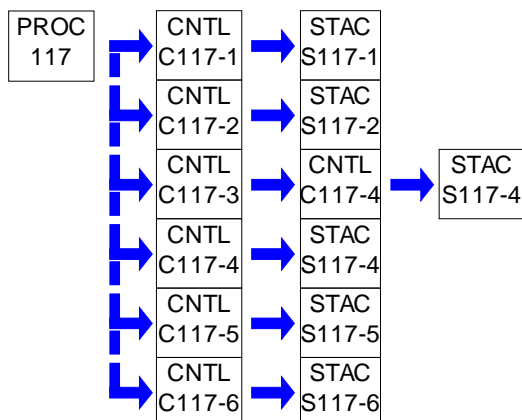
Source ID: 117

Source Name: COMPOUNDING LINE 17

Source Capacity/Throughput:

20.000 Tons/HR

POLYMER

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

The permittee shall ensure that the following emission limits are not exceeded:

- (a) volatile organic compound (VOC) emissions from the Compounding Line 17 (Source ID: 117) shall not exceed 1.61 tons per year on a 12-month rolling basis.
- (b) methyl methacrylate emissions, a hazardous air pollutant (HAP), from the Compounding Line 17 (Source ID: 117) shall not exceed 1.53 tons per year on a 12-month rolling basis.
- (c) particulate matter emissions from each stack shall not exceed 0.02 grains per dry standard cubic foot.
- (d) particulate matter emissions from the Compounding Line 17 (Source ID: 117) shall not exceed 2.35 tons per year on a 12-month rolling basis.

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

- (a) The permittee shall perform a stack test using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department. When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of this manual has been revised since approval, a new protocol must be submitted for approval.
- (b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.
- (c) The stack test shall, at a minimum, test for the VOC and VOC/HAP emissions from the Rotoclone (Source ID: 117-4) to demonstrate compliance with the pollutant emission limits in Condition #001 of this section. Tests shall be conducted in

**SECTION D. Source Level Requirements**

accordance with the provisions of EPA Methods 25A and 18 or other Department approved methodology and 25 Pa. Code Chapter 139.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

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

(a) When the respective source and control devices are in operation, the permittee shall ensure that the differential manometers shall be maintained and operated so that the pressure drop across the fabric of the filters or dust collectors (Source IDs: C117-1, C117-2, C117-5, C117-6) can be measured.

(b) The permittee shall ensure that the water flow meter shall be maintained and operated to measure and record the Extruder Scrubber (Source ID: C117-3) and the Rotoclone (Source ID: C117-4) inlet water flowrates.

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

(a) The permittee shall keep sufficient records to show compliance with the pollutant emission limitations of Condition #001.

(b) When the respective source and control devices are in operation:

(1) The permittee shall keep records of the pressure drops of each air cleaning device (Source IDs: C117-1, C117-2, C117-5 and C117-6) on a daily basis.

(2) The permittee shall keep records of the Rotoclone (Source ID: C117-4) inlet water flow rate on a daily basis.

(c) The permittee shall keep records of maintenance activities conducted on each of the air cleaning devices.

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 keep on site sufficient amount of spare filters or bags for each filter or dust collector.

(b) The permittee shall operate and maintain the source and air cleaning devices in accordance with manufacturers' specifications and good air pollution control practices.

(c) The permittee shall ensure that the devices monitoring water flow rates shall be operated, maintained and calibrated in accordance with manufacturer's specifications.

**SECTION D. Source Level Requirements****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall ensure that a minimum pressure drop is maintained across the fabric filters or dust collectors as follows:

- (i) Raw Material System Filter (Source ID: C117-1): 0.25 w.g.
- (ii) Process Dust collector (Source ID: C117-2): 0.02 w.g.
- (iii) Screener Cyclone Filter (Source ID: C117-5): 0.02 w.g.
- (iv) Finished Product Conveying System (Source ID: C117-6): 0.25 w.g.

(b) The permittees shall ensure that a minimum water flow rate of 0.6 gpm is maintained across the Rotoclone (Source C117-4) whenever the source is operating.

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

[Additional authority for this permit condition is also derived from 40 CFR Part 64.]

The permittee shall notify the Department upon the reestablishment of the values of exceedances or excursions per 40 CFR § 64.6(c)(2).

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

[Additional authority for this permit condition is also derived from 40 CFR § 64.3.]

The permittee shall ensure that a water flow meter shall be maintained and operated to continuously measure, indicate, and record the inlet water flow rate of the scrubber (Source ID: C117-3).

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

[Additional authority for this permit condition is also derived from 40 CFR § 64.3.]

The permittee shall ensure that a minimum inlet water flow rate of 2.0 gpm shall be maintained whenever the Extruder Scrubber (Source ID: C117-3) is operating. It will be an exceedance of the VOC emission limit whenever the inlet water flow rate is less than 2.0 gpm at any time the Extruder Scrubber Source ID: C117-3) is operating.

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

[Additional authority for this permit condition is also derived from 40 CFR § 64.9.]

(a) The permittee shall maintain records the inlet water flow rate on a daily basis for the scrubber (Source ID: 117-3).

(b) The permittee shall maintain the following records of the scrubber water flow meter calibration:

- (i) The date of the calibration
- (ii) The name of the operator(s)
- (iii) Procedures of the calibration

(c) The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR § 64.8 and any activities undertaken to implement a quality

**SECTION D. Source Level Requirements**

improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR Part 64.]

- (a) The permittee shall operate and maintain the water flow meters in accordance with 40 CFR § 64.7.
- (b) The permittee shall ensure that the water flow meter is calibrated, at a minimum, annually.

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

**SECTION D. Source Level Requirements**

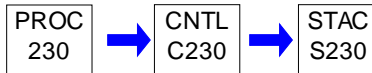
Source ID: 230

Source Name: BLDG 115 (HOUSE VACUUM SYSTEM)

Source Capacity/Throughput:

N/A

MODIFIER POWDER

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

001 [25 Pa. Code §123.13]
Processes

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

The permittee shall monitor the pressure differential across the Flex Kleen Baghouse (PE 230) (Source ID: C230), on a daily basis, whenever the source is operating.

IV. RECORDKEEPING REQUIREMENTS.

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

The permittee shall maintain records of the pressure differential across the Flex Kleen Baghouse (PE 230) (Source ID: C230), on a daily basis, whenever the source is operating.

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.

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

The permittee shall ensure that the Flex Kleen Baghouse (PE 230) (Source ID: C230) is equipped with an operable device for monitoring the pressure differential across the control device.

005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

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

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the Flex Kleen Baghouse (PE 230) (Source ID: C230) in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the control device.

**SECTION D. Source Level Requirements****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall ensure that a pressure differential range of 0.1" to 10" water gauge (w.g.) shall be maintained across the Flex Kleen Baghouse (PE 230) (Source ID: 230) whenever the Bldg. 115 processes and sources are operating.

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

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

The permittee shall ensure that the Flex Kleen Baghouse (PE 230) (Source ID: C230) controls the particulate matter emissions from the bag conveyor, packaging area, rework station, and dirty dust carton fill station.

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

**SECTION D. Source Level Requirements**

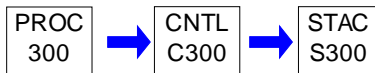
Source ID: 300

Source Name: BLDG 133 HOUSE VACUUM

Source Capacity/Throughput:

N/A

ACRYLIC RESINS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

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

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the pressure differential across the Bldg. 133 House Vacuum baghouse (Source ID: C300), on a daily basis, whenever the source is operating.

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

The permittee shall maintain records of the pressure differential across the Bldg. 133 House Vacuum baghouse (Source ID: C300), on a daily basis, whenever the source is operating.

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 ensure that a minimum pressure differential of 0.5" water gauge (w.g.) is maintained across the Bldg. 133 House Vacuum baghouse (Source ID: C300) whenever the source is operating.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall operate and maintain the source and air cleaning devices in accordance with manufacturers' specifications and good air pollution control practices.

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

The permittee shall ensure that the Bldg 133 House Vacuum baghouse (Source ID: C300) is equipped with an operable device for monitoring the pressure differential across the control device.

**SECTION D. Source Level Requirements****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the Bldg. 133 House Vacuum baghouse (Source ID: C300) in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the control device.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

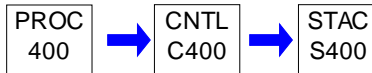
Source ID: 400

Source Name: BLDG 142 HOUSE VACUUM

Source Capacity/Throughput:

N/A

MODIFIER POWDER

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

001 [25 Pa. Code §123.13]

Processes

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the pressure differential across the Bldg. 142 Baghouse (Source ID: C400), on a daily basis, whenever the source is operating.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the pressure differential across the Bldg. 142 Baghouse (Source ID: C400), on a daily basis, whenever the source is operating.

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 ensure that the Bldg. 142 Baghouse (Source ID: C400) shall be equipped with an operable device for monitoring the pressure differential across the control device.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the Bldg. 142 Baghouse (Source ID: C400) in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the control device.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that a minimum pressure differential of 0.2" water gauge (w.g.) shall be maintained across the

**SECTION D. Source Level Requirements**

Bldg. 142 Baghouse (Source ID: C400) whenever the control device is operating.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain the source and air cleaning devices in accordance with manufacturers' specifications and good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 500

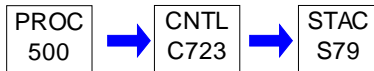
Source Name: LINE 15 EXTRUDER (VACUUM VENT)

Source Capacity/Throughput:

N/A

RESIDUAL MONOMER

Conditions for this source occur in the following groups: GRP1

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

001 [25 Pa. Code §123.13]

Processes

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

II. TESTING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall perform a stack test using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department. When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of this manual has been revised since approval, a new protocol must be submitted for approval.

(b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(c) The stack test shall, at a minimum, demonstrate compliance with the control device overall efficiency. Tests shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

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).



SECTION D. Source Level Requirements

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**

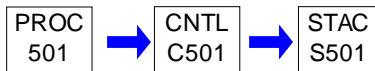
Source ID: 501

Source Name: LINE 15 POWDER HANDLING (627/710)

Source Capacity/Throughput:

N/A

POWDER MODIFIER

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

001 [25 Pa. Code §123.13]

Processes

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the pressure differential across the Line 15 Powder Silo Baghouse (627)/Bagfilter (710) (Source ID: C501), on a daily basis, whenever the source is operating.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the pressure differential across the Line 15 Powder Silo Baghouse (627)/Bagfilter (710) (Source ID: C501), on a daily basis, whenever the source is operating.

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 ensure that a minimum pressure differential range of 0.5" water gauge (w.g.) shall be maintained across the Line 15 Powder Silo Baghouse (627)/Bagfilter (710) (Source ID: C501) whenever the source is operating.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the Line 15 Powder Silo Baghouse (627)/Bagfilter (710) (Source ID: C501) in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the control device.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the Line 15 Powder Silo Baghouse (627)/Bagfilter (710) (Source ID: C501) shall be

**SECTION D. Source Level Requirements**

equipped with an operable device for monitoring the pressure differential across the control device.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain the source and air cleaning devices in accordance with manufacturers' specifications and good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

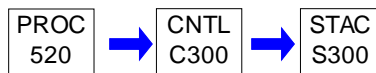
Source ID: 520

Source Name: LINE 15 PELLETT/POWDER FEEDER

Source Capacity/Throughput:

N/A

ACRYLIC PELLETS AND POWDE

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

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

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the pressure differential across the Bldg. 133 House Vacuum Baghouse (Source ID: C300), on a daily basis, whenever the source is operating.

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

The permittee shall maintain records of the pressure differential across the Bldg. 133 House Vacuum Baghouse (Source ID: C300), on a daily basis, whenever the source is operating.

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 ensure that the Bldg. 133 House Vacuum Baghouse (Source ID: C300) shall be equipped with an operable device for monitoring the pressure differential across the control device.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the Bldg. 133 House Vacuum Baghouse (Source ID: C300) in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the control device.

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

The permittee shall ensure that a minimum pressure differential of 0.5" water gauge (w.g.) is maintained across Bldg. 133

**SECTION D. Source Level Requirements**

House Vacuum Baghouse (Source ID: C300) whenever the source is operating.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain the source and air cleaning devices in accordance with manufacturers' specifications and good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The following equipment is associated with the Line 15 Pellet/Powder Feeder (Source ID: 520): Feeders (PE 619, 632, 634, 656, and 657).

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

**SECTION D. Source Level Requirements**

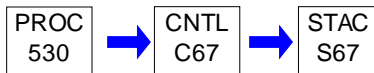
Source ID: 530

Source Name: LINE 15 SCREENER (693-02)

Source Capacity/Throughput:

N/A

ACRYLIC PELLETS

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

001 [25 Pa. Code §123.13]

Processes

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the pressure differential across the Lines 15 Fines Cyclone (Source ID: C67), on a daily basis, whenever the source is operating.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the pressure differential across the Lines 15 Fines Cyclone (Source ID: C67), on a daily basis, whenever the source is operating.

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 ensure that the Lines 15 Fines Cyclone (Source ID: C67) is equipped with an operable device for monitoring the pressure differential across the control device.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the Lines 15 Fines Cyclone (Source ID: C67) in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the control device.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that a pressure differential range of 1" - 15" water gauge (w.g.) shall be maintained across the

**SECTION D. Source Level Requirements**

Lines 15 Fines Cyclone (Source ID: C67) whenever the source is operating.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain the source and air cleaning devices in accordance with manufacturers' specifications and good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

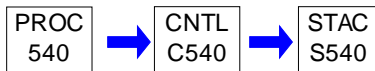
Source ID: 540

Source Name: LINE 15 PELLETT FEED (613/614)

Source Capacity/Throughput:

N/A

ACRYLIC PELLETS

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

001 [25 Pa. Code §123.13]

Processes

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the pressure differential across the Line 15 Pellet Roll Filter Baghouse (614) (Source ID: C540), on a daily basis, whenever the source is operating.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the pressure differential across the Line 15 Pellet Roll Filter Baghouse (614) (Source ID: C540), on a daily basis, whenever the source is operating.

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 ensure that the Line 15 Pellet Roll Filter Baghouse (614) (Source ID: C540) is equipped with an operable device for monitoring the pressure differential across the control device.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the Line 15 Pellet Roll Filter Baghouse (614) (Source ID: C540) in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the control device.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that a minimum pressure differential range of 1.0" water gauge (w.g.) shall be maintained

**SECTION D. Source Level Requirements**

across the Line 15 Pellet Roll Filter Baghouse (614) (Source ID: C540) whenever the source is operating.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

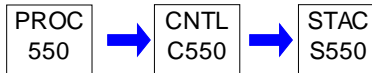
Source ID: 550

Source Name: LINE 15 SILOS (610/612)

Source Capacity/Throughput:

N/A

ACRYLIC PELLETS

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

001 [25 Pa. Code §123.13]

Processes

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the pressure differential across the Line 15 Silos (610/612) Bin Filter (Source ID: C550), on a daily basis, whenever the sources are operating.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the pressure differential across the Line 15 Silos (610/612) Bin Filter (Source ID: C550), on a daily basis, whenever the sources are operating.

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 ensure that the Line 15 Silos (610/612) Bin Filter (Source ID: C550) is equipped with operable devices for monitoring the pressure differential across the control device.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the Line 15 Silos (610/612) Bin Filter (Source ID: C550) in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the control devices.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that a pressure differential range of less than 11.0" water gauge (w.g.) shall be maintained

**SECTION D. Source Level Requirements**

across the Line 15 Silos (610/612) Bin Filter (Source ID: C550), whenever the source is operating.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

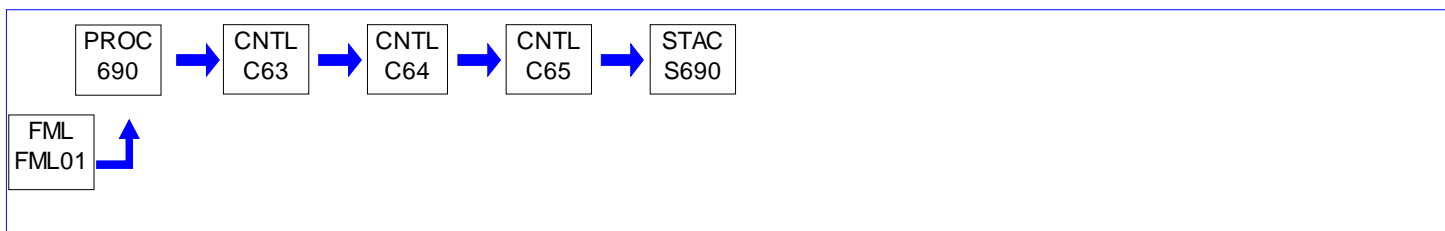
Source ID: 690

Source Name: SPRAY DRYER

Source Capacity/Throughput:

N/A

EMULSION PARTICULATES

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

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

002 [25 Pa. Code §123.21]**General**

No 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.

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

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

The permittee shall ensure that the pollutant emissions from the Spray Dryer (Source ID: 690) shall not exceed the following:

Pollutant	lbs/hr	lbs/yr*
Volatile Organic Compounds (VOC)	20.0	68,900
Nitrogen Oxide (NO _x)		8,817

(*calculated as a 12-month rolling sum.)

Fuel Restriction(s).**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that only natural gas shall be used as fuel for the Spray Dryer (Source ID: 690).

II. TESTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall perform a monthly mass balance calculation for VOC emissions from the Spray Dryer (Source ID: 690) to demonstrate compliance with the pollutant emission limits in Condition #002.

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

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

The permittee shall monitor the pressure differentials across each the three baghouses (Source ID: C63, C64, C65), on a daily basis, whenever the source is operating.

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

The permittee shall perform monthly calculations for NOx emissions from the natural gas burner to the Spray Dryer (Source ID: 690), using AP-42 emission factors, to demonstrate compliance with the pollutant emission limits in Condition #002.

IV. RECORDKEEPING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of the monthly mass balance calculations for VOC emissions from the Spray Dryer (Source ID: 690). The permittee shall maintain these records in a Department approved format and make them available upon request.

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

The permittee shall maintain records of the pressure differentials across each of the three (3) baghouses (Source IDs: C63, C64, C65), on a daily basis, whenever the source is operating. The permittee shall maintain these records in a Department approved format and make them available upon request.

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

The permittee shall maintain records of the monthly calculations for NOx emissions from the natural gas burner to the Spray Dryer (Source ID: 690). The permittee shall maintain these records in a Department approved format and make them available upon request.

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

(a) The permittee shall ensure that a pressure differential range between 0.1" - 15" water gauge (w.g.) is maintained across the baghouses (Source IDs: C63, C64, and C65), whenever the source is operating.

(b) The permittee shall ensure that each of the baghouses (Source IDs: C63, C64, and C65) are equipped with an operable device for monitoring the pressure differential across the control device(s).

(c) The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for each of the baghouses (Source IDs: C63, C64 and C65) in order to be able to immediately replace any bags requiring replacement due to deterioration

**SECTION D. Source Level Requirements**

resulting from routine operation of the control devices.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the Spray Dryer (Source ID: 690) is operated and maintained in accordance with the manufacturer's specifications, good engineering work practice, and the applicable terms and conditions of this permit.

VII. ADDITIONAL REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The baghouses (Source IDs: C63, C64, and C65) control the particulate emissions from the Spray Dryer (Source ID: 690), product conveying cyclone, product hopper, carton filling station, transporter, bulk bag filling station, surge hopper, two bagging machines, and two heat sealers.

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

**SECTION D. Source Level Requirements**

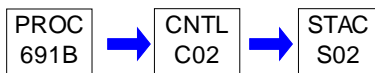
Source ID: 691B

Source Name: PACKOUT OPERATION FROM SPRAY DRYER

Source Capacity/Throughput:

N/A

SPRAY DRIED EMULSION POWD

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

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

II. TESTING REQUIREMENTS.

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

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

The permittee shall perform a semi-annual mass balance analysis of the exhaust from Spray Dryer/Baghouse stack (Source ID: S690) to show compliance with the VOC emission limits for the Spray Dryer (Source ID: 690).

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

The permittee shall monitor the pressure differential across the Bin Vent Filters (PE 730) (Source ID: C02), on a daily basis, whenever the source is operating.

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

(a) The permittee shall maintain all records necessary to demonstrate compliance with the VOC emission limits for the Spray Dryer (Source ID: 690).

(b) The permittee shall maintain records of the pressure differential across the Bin Vent Filters (PE 730) (Source ID: C02), on a daily basis, when operating.

(c) The permittee shall maintain these records in a Department approved format and make them available upon request.

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

(a) The permittee shall submit a report of the mass balance analysis required in Condition #002.

(b) Each report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December, and must be postmarked or delivered no later than August 31 or February 28, respectively.

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall ensure that a pressure differential range of between 0.1" - 10" water gauge (w.g.) is maintained across the Bin Vent Filters (PE 730) (Source ID: C02) whenever the source is operating.

(b) The permittee shall ensure that the Bin Vent Filters (PE 730) (Source ID: C02) is equipped with an operable device for monitoring the pressure differential across the control device.

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

The permittee shall keep on hand a sufficient quantity of spare filters for the Bin Vent Filters (PE 730) (Source ID: C02) in order to be able to immediately replace any filters requiring replacement due to deterioration resulting from routine operation of the control device.

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

The permittee shall operate and maintain the source and air cleaning devices in accordance with manufacturers' specifications and good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 700

Source Name: PM-1/PM-2 HOUSE VACCUM (PO2)

Source Capacity/Throughput:

N/A

RESIN PELLETS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

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

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

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source (PM-1/PM-2 House Vacuum Baghouse (Source ID: C700)) at any time, in excess of 0.03 grains per dry standard cubic foot.

[Compliance with this streamlined condition also assures compliance with 25 Pa. Code § 123.13(c)(1)(i).]

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the pressure differential across the PM-1/PM-2 House Vacuum Baghouse (Source ID: C700), on a daily basis, whenever the source is operating.

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

The permittee shall maintain records of the pressure differential across the PM-1/PM-2 House Vacuum Baghouse (Source ID: C700), on a daily basis, whenever the source is operating.

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.**

The permittee shall ensure that the PM-1/PM-2 House Vacuum Baghouse (Source ID: C700) is equipped with an operable device for monitoring the pressure differential across the control device.

**SECTION D. Source Level Requirements****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that a pressure differential range of 1"- 10" water gauge (w.g.) shall be maintained across the PM-1/PM-2 House Vacuum Baghouse (Source ID: C700) whenever the source is operating.

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

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the PM-1/PM-2 House Vacuum Baghouse (Source ID: C700) in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the control device.

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

The permittee shall operate and maintain the source and air cleaning devices in accordance with manufacturers' specifications and good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 723

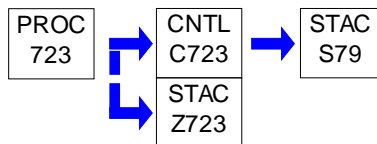
Source Name: PM-1 ACRYLIC MOLDING RESIN PROCESS

Source Capacity/Throughput:

N/A

ACRYLIC RESINS

Conditions for this source occur in the following groups: GRP1

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

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

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

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

The permittee shall ensure that the volatile organic compounds (VOCs) emissions from the following equipment and sources shall not exceed the following:

Source	VOC Emissions (as a 12-month rolling sum.)
PM-1/PM-2 Scrubber	15,172 lb/yr
PM-1 Pelletizer	1,275 lb/yr
PM-1 Add Tk Spot Vents	526 lb/yr
Mix Tk Spot Vents (w/ PM2) (combined total for PM-1/PM-2 processes)	438 lb/yr
PM-1 Fugitive Emissions	8,585 lb/yr
Transfer Piping Fugitive Emissions (combined total for PM-1/PM-2 processes)	112 lb/yr
Line 15 Extruder (Vacuum Vent)	88 lb/yr

(Note: The PM-1/PM-2 Scrubber serves both the PM-1 and PM-2 Processes and the Line 15 Extruder (Vacuum Vent).)

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

(a) The permittee shall perform a stack test using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. Performance tests shall be conducted while the source is operating under the water-and-air conservation mode, if possible, or under such other conditions, within the capacity of the equipment, as may be requested

**SECTION D. Source Level Requirements**

by the Department. When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of this manual has been revised since approval, a new protocol must be submitted for approval.

(b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples. Include as part of the submitted procedures, the operating mode (i.e., air and water conservation, maximum operating capacity, etc.) that testing will be performed.

(c) The stack test shall, at a minimum, demonstrate compliance with the pollutant emission limits in Condition #001 of this section and the control device overall efficiency. Tests shall be conducted in accordance with the provisions of EPA Method 18 or other Department approved methodology and 25 Pa. Code Chapter 139.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall monitor the following parameters for the PM-1 Acrylic Molding Resins Process (Source ID: 723) on a monthly basis:

- (a) The amount of acrylic molding resins produced.
- (b) The amount of volatile organic compounds (VOCs) emitted.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate and maintain records of the VOC emissions from the sources associated with the PM-1 Acrylic Molding Resin Process (Source ID: 723) to demonstrate compliance with the VOC emission limits in Condition #002.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following parameters for the PM-1 Acrylic Molding Resins Process (Source ID: 723) on a monthly basis:

- (a) The amount of acrylic molding resins produced.
- (b) The amount of volatile organic compounds (VOCs) emitted.

**SECTION D. Source Level 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) 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.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following equipment is associated with the source group, PM-1 Acrylic Resin Molding Process (Source ID: 723):

- (a) One EA Weigh Tank (#103)
- (b) Three (3) Mix Tanks (#105, #110, and #115)
- (c) One (1) Vac. Pump Cond. Receiver Tank (#188-1)
- (d) One (1) Inhibitor Tank (#188-2)
- (e) One (1) Rundown Tank (#190)
- (f) One (1) Stationary Dump Tank (#150)
- (g) Third Vent Monomer Tanks
- (h) Four (4) Extruder Vent Receivers (#176, #181, #486, and #195)
- (i) PM-1 Additive Tanks (4)

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

**SECTION D. Source Level Requirements**

Source ID: 731A

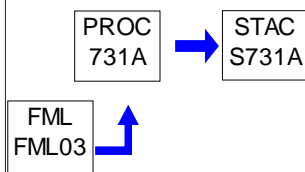
Source Name: STANDBY EMERGENCY GENERATORS (2)

Source Capacity/Throughput:

2.000 MMBTU/HR

N/A

Diesel Fuel

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that all on-site emergency generators, exempted from plan approval construction installation, and activation requirements, shall comply with the following NO_x emission limitation:

Internal combustion engines regardless of size, with combined NO_x emissions less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis for all exempt engines at the site.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.444.]

The permittee shall use only diesel fuel as fuel for this source.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the NO_x and VOC emissions from the Standby Emergency Generators (2) (Source ID: 731A) on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall monitor the hours of operation from the Standby Emergency Generators (2) (Source ID: 731A) on a monthly basis.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall maintain records of the NO_x and VOC emissions from the Standby Emergency Generators (2) (Source ID: 731A) on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall maintain records of the hours of operation from the Standby Emergency Generators (2) (Source ID:731A) 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).

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.444.]

The permittee shall maintain and operate an hour meter on each of the Standby Emergency Generators (2) (Source ID: 731A).

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

[Additional authority for the permit condition is also derived from 40 CFR § 1039.105.]

The smoke standards in this section apply to all engines. Smoke from affected engines may not exceed the following standards:

- (1) 20 percent during the acceleration mode;
- (2) 15 percent during the lugging mode; and
- (3) 50 percent during the peaks in either the acceleration or lugging modes.

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

[Additional authority for this permit condition is also derived from 40 CFR § 60.4211.]

(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 60.4211(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4211(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart IIII and must meet all requirements for non-emergency engines.

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

The source group - Standby Emergency Generators (2) (Source ID: 731A) - is comprised of the following sources installed under the Request For Determination No. 5317:

- (1) E-GEN 105 is a diesel fuel-fired emergency generator, manufactured by Cummins Power Generation, model 150DSGAC, and powered by a Cummins, Inc. 324 HP diesel fuel-fired engine with a rated heat input capacity of less than 2.0 MMBtu/hr.

**SECTION D. Source Level Requirements**

(1) E-GEN 431 is a diesel fuel-fired emergency generator, manufactured by Cummins Power Generation, model 150DSGAC, and powered by a Cummins, Inc. 324 HP diesel fuel-fired engine with a rated heat input capacity of less than 2.0 MMBtu/hr.

(Pursuant RFD Application No. 5317, the actual or planned date of installation for this source group was 9/16/2015.)

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Am I subject to this subpart?**

(a) The provisions of 40 CFR 60, Subpart III are applicable to the owners and operators of stationary compression ignition (CI) internal combustion engines (ICE) that commence construction after July 11, 2005, and were manufactured after April 1, 2006.

(b) The diesel fuel-fired Standby Emergency Generators (2) (Source ID: 731A) are subject to this subpart.

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4202]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufacturer?**

[Additional authority for this permit condition is also derived from 40 CFR § 1039, Appendix I.]

Pursuant to 40 CFR § 60.4202(a)(2), engines with a rated power greater than or equal to 37 KW (50 HP) must comply with the Tier 2 or Tier 3 emission standards for new nonroad CI engines for the same rated power as described in 40 CFR § 1039, Appendix I.

Table 2 to Appendix I -Tier 2 Emissions Standards
(g/kW-hr)

Rated Power (kW)	Tier	Model Year	NMHC + NOx	CO	PM
kW>560	2	2006	6.4	3.5	0.20

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

(a) The owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR § 1090.305 for nonroad (NR) diesel fuel, except that any existing diesel fuel purchased or otherwise obtained prior to October 1, 2010, may be used until depleted.

(b) Pursuant to 40 CFR § 1090.305, diesel fuel must meet the following ULSD per-gallon standards:

(1) Sulfur standard: Maximum sulfur content of 15 ppm.

(2) Cetane index or aromatic content. Diesel Fuel must meet one of the following standards:

(i) Minimum cetane index of 40; or

(ii) Maximum aromatic content of 35 volume percent.

**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

The owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter on the engine.

**SECTION D. Source Level Requirements****# 015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

The owner or operator of an emergency stationary ICE must operate the emergency stationary ICE according to the requirements in paragraphs (1) through (3). In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (1) through (3) is prohibited. If the engine is not operated according to the requirements in paragraphs (1) through (3), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) The emergency stationary ICE may be operated for the purposes specified in paragraph (2)(i) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (3) counts as part of the 100 hours per calendar year allowed by this paragraph (2).

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (2). Except as provided in paragraph (3)(i), the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in Table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the

**SECTION D. Source Level Requirements**

owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

The owner or operator of an emergency stationary CI ICE with a maximum engine power more than 100 HP (75 kW) that operates for the purposes specified in 40 CFR § 60.4211(f)(3)(i) (as per Condition #013(3)), must submit an annual report according to the requirements in paragraphs (1) through (3).

(1) The report must contain the following information:

(i) Company name and address where the engine is located.

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

(iii) Engine site rating and model year.

(iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

(v) Hours spent for operation for the purposes specified in 40 CFR § 60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR § 60.4211(f)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(2) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

(3) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in 40 CFR § 60.4.

018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §Subpart III for Reg 40 Part 60 Table 5]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****Labeling and Recordkeeping Requirements for New Stationary Emergency**

Table 5 to Subpart III of Part 60—Labeling and Recordkeeping Requirements for New Stationary Emergency Engines

The owner or operator must comply with the labeling requirements in 40 CFR § 60.4210(f) and the recordkeeping requirements in 40 CFR § 60.4214(b) for new emergency stationary CI ICE beginning in the following model years:

Engine power	Starting model year
19<KW<56 (25<HP<75)	2013
56<KW<130 (75<HP<175)	2012
KW>130 (HP>175)	2011

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

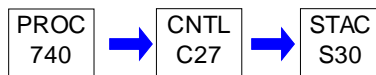
Source ID: 740

Source Name: PM-2 SCREENER (213)

Source Capacity/Throughput:

N/A

ACRYLIC RESINS

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

001 [25 Pa. Code §123.13]

Processes

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the pressure differential across the PM-2 Screener Baghouse (Source ID: C27), on a daily basis, whenever the source is operating.

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 § 127.512(h).]

The permittee shall maintain records of the pressure differential across the PM-2 Screener Baghouse (Source ID: C27), on a daily basis, whenever the source is operating.

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.

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

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the PM-2 Screener baghouse (Source ID: C27) in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the control device.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

**SECTION D. Source Level Requirements**

The permittee shall ensure that a pressure differential of at least 1" water gauge (w.g.) shall be maintained across the PM-2 Screener Baghouse (Source ID: C27) whenever the source is operating.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall ensure that the PM-2 Screener Baghouse (Source ID: C27) is equipped with an operable device to measure the pressure differential across the control device.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

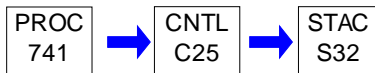
Source ID: 741

Source Name: PM-1 SCREENERS (213)

Source Capacity/Throughput:

N/A

ACRYLIC POLYMER

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

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

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

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source (PM-1 Screeners (213) (Source ID: 741)) at any time, in excess of 0.01 grains per dry standard cubic foot.

[Compliance with this streamlined condition also assures compliance with 25 Pa. Code § 123.13(c)(1)(i).]

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the pressure differential across the PM-1 Fines Baghouse (213) (Source ID: C25), on a daily basis, whenever the source is operating.

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

The permittee shall maintain records of the pressure differential across the PM-1 Fines Baghouse (213) (Source ID: C25), on a daily basis, whenever the source is operating.

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.**

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

**SECTION D. Source Level Requirements**

The permittee shall ensure that a pressure differential of at least 0.1" water gauge (w.g.) is maintained across the PM-1 Fines Baghouse (213) (Source ID: C25) whenever the source is operating.

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

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

The permittee shall ensure that the PM-1 Fines Baghouse (213) (Source ID: C25) is equipped with an operable device to measure the pressure differential across the control device.

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

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

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the PM-1 Fines Baghouse (213) (Source ID: C25) in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the control device.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

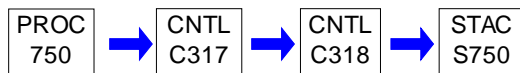
Source ID: 750

Source Name: PM-1 POWDER HANDLING (317/318)

Source Capacity/Throughput:

N/A

POWDER

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

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

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

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source (PM-1 Powder Handling Baghouse (317) (Source ID: C317) and the PM-1 Powder Handling Filter (318) (Source ID: C318)) at any time, in excess of 0.024 grains per dry standard cubic foot.

[Compliance with this streamlined condition also assures compliance 25 Pa. Code § 123.13(c)(1)(i).]

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the pressure differential across the PM-1 Powder Handling Baghouse (317) (Source ID: C317) and the PM-1 Powder Handling Filter (318) (Source ID: C318), on a daily basis, whenever the source is operating.

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

The permittee shall maintain records of the pressure differential across the PM-1 Powder Handling Baghouse (317) (Source ID: C317) and the PM-1 Powder Handling Filter (318) (Source ID: C318), on a daily basis, whenever the source is operating.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the PM-1 Powder Handling Baghouse (317) (Source ID: C317) and the PM-1 Powder Handling Filter (318) (Source ID: C318) are equipped with operables devices for monitoring the pressure differential across the control devices.

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

The permittee shall keep on hand a sufficient quantity of spare filters for the PM-1 Powder Handling Baghouse (317) (Source ID: C317) and the PM-1 Powder Handling Filter (318) (Source ID: C318) in order to be able to immediately replace any filters requiring replacement due to deterioration resulting from routine operation of the control devices.

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

The permittee shall ensure that a pressure differential of at least 2" water gauge (w.g.) shall be maintained across the PM-1 Powder Handling Baghouse (317) (Source ID: C317) and the PM-1 Powder Handling Filter (318) (Source ID: C318) whenever the source is operating.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

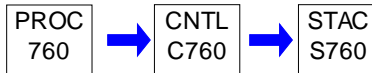
Source ID: 760

Source Name: PM-2 PRODUCT CYCLONE (215)

Source Capacity/Throughput:

N/A

ACRYLIC RESIN PELLETS

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

001 [25 Pa. Code §123.13]
Processes

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

The permittee shall monitor the pressure differential across the PM-2 Product Cyclone Baghouse (215) (Source ID: C760), on a daily basis, whenever the source is operating.

IV. RECORDKEEPING REQUIREMENTS.

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

The permittee shall maintain records of the pressure differential across the PM-2 Product Cyclone Baghouse (215) (Source ID: C760), on a daily basis, whenever the source is operating.

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 ensure that the PM-2 Product Cyclone Baghouse (215) (Source ID: C760) is equipped with an operable device for monitoring the pressure differential across the control device.

005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the PM-2 Product Cyclone Baghouse (215) (Source ID: C760) in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the control device.

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

The permittee shall ensure that a pressure differential of at least 1" water gauge (w.g.) shall be maintained across the PM-2

**SECTION D. Source Level Requirements**

Product Cyclone Baghouse (215) (Source ID: C760) whenever the source is operating.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 770 Source Name: PM-2 HOLD TANK/BLENDER (872)
 Source Capacity/Throughput: N/A ACRYLIC RESINS

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

001 [25 Pa. Code §123.13]
Processes

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

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

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source (PM-2 Hold Tank/Blender (872) (Source ID: 770) at any time, in excess of 0.02 grains per dry standard cubic foot.

[Compliance with this streamlined condition also assures compliance with 25 Pa. Code § 123.13(c)(1)(i).]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

The permittee shall monitor the pressure differential across the PM-2 Hold Tank/Blender Baghouse (872) (Source ID: C770), on a daily basis, whenever the source is operating.

IV. RECORDKEEPING REQUIREMENTS.

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

The permittee shall maintain records of the pressure differential across the PM-2 Hold Tank/Blender Baghouse (872) (Source ID: C770), on a daily basis, whenever the source is operating.

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.

The permittee shall ensure that the PM-2 Hold Tank/Blender Baghouse (872) (Source ID: C770) is equipped with an operable device for monitoring the pressure differential across the control device.

**SECTION D. Source Level Requirements****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the PM-2 Hold Tank/Blender Baghouse (872) (Source ID: C770) in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the control device.

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

The permittee shall ensure that a pressure differential range of 1" - 15" water gauge (w.g.) shall be maintained across the PM-2 Hold Tank/Blender Baghouse (872) (Source ID: C770) whenever the source is operating.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 800

Source Name: MISCELLANEOUS VOC SOURCES

Source Capacity/Throughput:

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

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

The permittee shall ensure that emissions of volatile organic compounds (VOCs) from the following equipment and sources do not exceed the following:

Source	VOC Emissions (lbs/hr)	VOC Emissions (lbs/yr)*
Filter Units (Bldg. 66 and Sweco)	10	
Emulsion Tank Truck Loading	12	
Line 16 Die Exhaust		1,433
Line 16 Vacuum Exhaust		1,064

(* as a 12-month rolling sum.)

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (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.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General 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.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

(a) The following sources and activities shall be operated and maintained in accordance with manufacturer's specifications as well as in a manner consistent with good operating practices

**SECTION D. Source Level Requirements**

- (1) Line 16 Vacuum Vent
- (2) Line 16 Die Exhaust
- (3) Bldg. 66 Filter Units

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 810

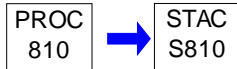
Source Name: ETHYL ACRYLATE STORAGE TANK

Source Capacity/Throughput:

N/A

ETHYL ACRYLATE

Conditions for this source occur in the following groups: GRP2

**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.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID: 810 is a storage tank with a volume capacity of 17,000 gallons for storing ethyl acrylate (EA) as a raw material.

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

**SECTION D. Source Level Requirements**

Source ID: 820

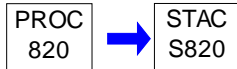
Source Name: BUTYL ACRYLATE STORAGE TANK

Source Capacity/Throughput:

N/A

BUTYL ACRYLATE

Conditions for this source occur in the following groups: GRP2

**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.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID: 820 is a storage tank with a volume capacity of 27,000 gallons for storing butyl acrylate (BA) as a raw material.

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

**SECTION D. Source Level Requirements**

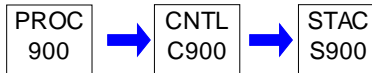
Source ID: 900

Source Name: PM BLENDER CYCLONE (526)

Source Capacity/Throughput:

N/A

ACRYLIC RESINS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]
Processes**

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

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the pressure differential across the PM Cyclone Baghouse (526) (Source ID: C900), on a daily basis, whenever the source is operating.

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

The permittee shall maintain records of the pressure differential across the PM Cyclone Baghouse (526) (Source ID: C900), on a daily basis, whenever the source is operating.

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 ensure that a pressure differential range of 0.5" - 50" water gauge (w.g.) is maintained across the PM Cyclone Baghouse (526) (Source ID: C900) anytime the source is operating.

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

The permittee shall ensure that the PM Cyclone Baghouse (526) (Source ID: C900) is equipped with an operable device for monitoring the pressure differential across the control device.

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

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the PM Cyclone Baghouse (526) (Source ID: C900) in order to be able to immediately replace any bags requiring replacement due to deterioration resulting

**SECTION D. Source Level Requirements**

from routine operation of the control device.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

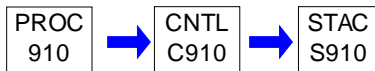
Source ID: 910

Source Name: PM BLENDER (535)

Source Capacity/Throughput:

N/A

ACRYLIC RESINS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

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

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the pressure differential across the PM Blender (535) (Source ID: C910), on a daily basis, whenever the source is operating.

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

The permittee shall maintain records of the pressure differential across the PM Blender (535) (Source ID: C910), on a daily basis, whenever the source is operating.

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 ensure that a pressure differential range of 0.5" - 15" water gauge (w.g.) is maintained across the PM Blender (535) (Source ID: C910) whenever the source is operating.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the PM Blender (535) (Source ID: C910) order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the control device.

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

The permittee shall ensure that the PM Blender (535) (Source CID: 910) is equipped with an operable device for monitoring

**SECTION D. Source Level Requirements**

the pressure differential across the control device.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 998

Source Name: 40 CFR 63, SUBPART EEEE

Source Capacity/Throughput:

N/A

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.

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

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.

**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart EEEE Table 2]
Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
Emission Limits**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441 and 40 CFR § 63.2346]

(a) If you own or operate a transfer rack at an existing facility where the total actual facility-level organic liquid loading volume through transfer racks is equal to or greater than 800,000 gallons and less than 10 million gallons, and if the total Table 1 organic HAP content of the organic liquid being loaded through one or more of the transfer rack's arms is at least 98% by weight and is being loaded into a transport vehicle, then you must:

(1) For all such loading arms at the rack, reduce emissions of total organic HAP (or, upon approval, TOC) from the loading of organic liquids either by venting the emissions that occur during loading through a closed vent system to any combination of control devices meeting the applicable requirements of 40 CFR 63, subpart SS and 40 CFR § 63.2346(l), achieving at least 98 weight-percent HAP reduction, or, as an option, to an exhaust concentration less than or equal to 20 ppmv, on a dry basis corrected to 3% oxygen for combustion devices using supplemental combustion air; or,

(b) If you own or operate a transfer rack at an existing facility where the total actual facility-level organic liquid loading volume through transfer racks is equal to or greater than 800,000 gallons than 10 million gallons, and if one or more of the transfer rack's arms is loading an organic liquid into a transport vehicle, then you must:

**SECTION D. Source Level Requirements**

(1) See the requirements in items 7.a.i and 7.a.ii of this table.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart EEEE Table 4]

Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) Work Practice Standards

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441 and Table 4 to Subpart EEEE.]

(a) For each transfer rack subject to control based on the criteria specified in Table 2 to this subpart, if you:

(1) Load organic liquids only into transport vehicles having current vapor tightness certification as described in Table 4 to this subpart, item 5 and item 6, you have demonstrated initial compliance if you comply with the provisions specified in Table 4 to this subpart, item 5 or item 6, as applicable.

(2) Install and, during the loading of organic liquids, operate a vapor balancing system, you have demonstrated initial compliance if:

(i) You design and operate the vapor balancing system to route organic HAP vapors displaced from loading of organic liquids into transport vehicles to the storage tank from which the liquid being loaded originated or to another storage tank connected to a common header.

(ii) You design and operate the vapor balancing system to route organic HAP vapors displaced from loading of organic liquids into containers directly (e.g., no intervening tank or containment area such as a room) to the storage tank from which the liquid being loaded originated or to another storage tank connected to a common header.

(3) Route emissions to a fuel gas system or back to a process, you have demonstrated initial compliance if:

(i) See item 1.b.i of this table.

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart EEEE Table 4]

Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) Work Practice Standards

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

(a) Pursuant to 40 CFR § 63.2346, you may elect to comply with one of the work practice standards for the following existing sources: for each pump, valve, and sampling connection that operates in organic liquids service at least 300 hours per year at an existing source, you must comply with the requirements for pumps, valves, and sampling connections in 40 CFR 63, subpart TT (control level 1), subpart UU (control level 2), or subpart H.

(b) Paragraph (a) only applies if the affected source has at least one storage tank or transfer rack that meets the applicability criteria for control in Table 2 to Subpart EEEE.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2330]

Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) What is the purpose of this subpart?

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

(a) This subpart establishes national emission limitations, operating limits, and work practice standards for organic hazardous air pollutants (HAP) emitted from organic liquids distribution (OLD) (non-gasoline) operations at major sources of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations, operating limits, and work practice standards.

(b) The Altuglas LLC Bristol Plant is subject to this subpart because it has activities and/or uses equipment described pursuant 40 CFR § 63.2338 (Condition #003).

**SECTION D. Source Level Requirements****# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2334]****Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)**
Am I subject to this subpart?

- (a) You are subject to this subpart if you own or operate an organic liquid distribution (OLD) operation that is located at, or is part of, a major source of hazardous air pollutants (HAP) emissions.
- (b) Pursuant 40 CFR § 63.2406, organic liquids distribution (OLD) operation means the combination of activities and equipment used to store or transfer organic liquids into, out of, or within a plant site regardless of the specific activity being performed. Activities include, but are not limited to, storage, transfer, blending, compounding, and packaging.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2338]**Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)**
What parts of my plant does this subpart cover?

The affected source is the collection of activities and equipment used to distribute organic liquids into, out of, or within a facility that is a major source of HAP. The affected source is composed of:

- (a) All storage tanks storing organic liquids.
- (b) All transfer racks at which organic liquids are loaded into or unloaded out of transport vehicles and/or containers.
- (c) All equipment leak components in organic liquids service that are associated with:
- (1) Storage tanks storing organic liquids;
 - (2) Transfer racks loading or unloading organic liquids;
 - (3) Pipelines that transfer organic liquids directly between two storage tanks that are subject to this subpart;
 - (4) Pipelines that transfer organic liquids directly between a storage tank subject to this subpart and a transfer rack subject to this subpart; and
 - (5) Pipelines that transfer organic liquids directly between two transfer racks that are subject to this subpart.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2342]**Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)**
When do I have to comply with this subpart?

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

- (a) For an existing source, you must comply with the emission limitations, operating limits, and work practice standards for existing affected sources no later than February 5, 2007, except as provided in paragraph (1).
- (1) If an addition or change other than reconstruction as defined in 40 CFR § 63.2 is made to an existing affected facility that causes the total actual annual facility-level organic liquid loading volume to exceed the criteria for control in Table 2 to this subpart, items 7 and 8, the owner or operator must comply with the transfer rack requirements specified in 40 CFR § 63.2346(b) immediately; that is, be in compliance the first day of the period following the end of the 3-year period triggering the control criteria.
- (2) If the owner or operator believes that compliance with the transfer rack emission limits cannot be achieved immediately, as specified in 40 CFR § 63.2346(3)(i), the owner or operator may submit a request for a compliance extension, as specified in 40 CFR §§ 63.2346(3)(ii)(A) through (I). Subject to paragraph 40 CFR § 63.2346(3)(ii)(B), until an extension of compliance has been granted by the Administrator (or a State with an approved permit program) under this paragraph 40 CFR § 63.2346(3)(ii), the owner or operator of the transfer rack subject to the requirements of this section shall comply with all applicable requirements of this subpart. Advice on requesting an extension of compliance may be obtained from the Administrator (or the State with an approved permit program).

**SECTION D. Source Level Requirements****# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2346]****Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)****What emission limitations, operating limits, and work practice standards must I meet?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441 and Table 2 to Subpart EEEE of Part 63.]

(a) For each transfer rack that is part of the collection of transfer racks that meets the total actual annual facility-level organic liquid loading volume criterion for control in Table 2, items 7 through 10, you must comply with paragraph (a)(1), (a)(2), or (a)(3) below for each arm in the transfer rack loading an organic liquid whose organic HAP content meets the organic HAP criterion for control in Table 2, items 7 through 10. For existing affected sources, you must comply with paragraphs (a)(1), (a)(2), or (a)(3)(i) below during the loading of organic liquids into transport vehicles. For new affected sources, you must comply with paragraphs (a)(1), (a)(2), or (a)(3)(i) and (a)(3)(ii) during the loading of organic liquids into transport vehicles and containers. If the total actual annual facility-level organic liquid loading volume at any affected source is equal to or greater than the loading volume criteria for control in Table 2, but at a later date is less than the loading volume criteria for control, compliance with paragraphs (a)(1), (a)(2), or (a)(3) is no longer required. For new and reconstructed facilities, as defined in 40 CFR §§ 63.2338(d) and (e), if at a later date, the total actual annual facility-level organic liquid loading volume again becomes equal to or greater than the loading volume criteria for control in Table 2, the owner or operator must comply with paragraphs (a)(1), (a)(2), or (a)(3)(i) and (a)(3)(ii) immediately, as specified in 40 CFR § 63.2342(a)(3). For existing facilities, as defined in 40 CFR § 63.2338(f), if at a later date, the total actual annual facility-level organic liquid loading volume again becomes equal to or greater than the loading volume criteria for control in Table 2, the owner or operator must comply with paragraphs (a)(1), (a)(2), or (a)(3)(i) immediately, as specified in 40 CFR § 63.2342(b)(3)(i), unless an alternative compliance schedule has been approved under 40 CFR § 63.2342(b)(3)(ii) and subject to the use limitation specified in 40 CFR § 63.2342(b)(3)(ii)(I).

(1) You must meet the emission limits specified in Table 2 and comply with the applicable requirements for transfer racks specified in 40 CFR 63, Subpart SS, for meeting emission limits.

(b) For each pump, valve, and sampling connection that operates in organic liquids service for at least three hundred (300) hours per year, you must comply with the applicable requirements under 40 CFR 63, Subpart TT (control level 1), 40 CFR 63, Subpart UU (control level 2), or 40 CFR 63, Subpart H. Pumps, valves, and sampling connectors that are insulated to provide protection against persistent sub-freezing temperatures are subject to the "difficult to monitor" provisions in the applicable provisions selected by the owner or operator. This provision only applies if the affected facility has at least one (1) storage tank or transfer rack that meets the applicability criteria for control in Table 2.

(c) For each high throughput transfer rack, you must meet each operating limit in Table 3 for each control device used to comply with the provisions of this subpart whenever emissions from the loading of organic liquids are routed to the control device. For each storage tank and low throughput transfer rack, you must comply with the requirements for monitored parameters as specified in 40 CFR 63, Subpart SS for storage vessels and, during the loading of organic liquids, for low throughput transfer racks, respectively. Alternatively, you may comply with the operating limits in Table 3.

(d) For noncombustion devices, if you elect to demonstrate compliance with a percent reduction requirement in Table 2 using total organic compounds (TOC) rather than organic HAP, you must first demonstrate, subject to approval of the EPA Administrator, that TOC is an appropriate surrogate for organic HAP for storage tank(s) and/or transfer rack(s) at the affected facility, and the percent destruction of organic HAP is equal to or higher than the percent destruction of TOC. This demonstration must be conducted prior to or during the initial compliance test.

(e) As provided in 40 CFR § 63.6(g), you may request approval from the EPA Administrator to use an alternative to the emission limitations, operating limits, and work practice standards in this section. You must follow the procedures in 40 CFR §§ 63.177(b) through 63.177(e) in applying for permission to use such an alternative. If you apply for permission to use an alternative to the emission limitations, operating limits, and work practice standards in this section, you must submit the information described in 40 CFR § 63.6(g)(2).

(f) Opening of a safety device is allowed at any time that it is required to avoid unsafe operating conditions.

(g) If you elect to comply with this provision by combining emissions from different emission sources subject to this

**SECTION D. Source Level Requirements**

regulation in a single control device, then you must comply with the provisions specified in 40 CFR § 63.982(f).

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2350]**Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
What are my general requirements for complying with this subpart?**

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

(a) You must be in compliance with the emission limitations, operating limits, and work practice standards in this regulation at all times when the equipment identified in 40 CFR §§ 63.2338(b)(1) through (4) is in OLD operation.

(b) You must always operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR § 63.6(e)(1)(i).

(c) Except for emission sources not required to be controlled as specified in 40 CFR § 63.2343, you must develop a written startup, shutdown, and malfunction (SSM) plan according to the provisions in 40 CFR § 63.6(e)(3). Beginning no later than July 7, 2023, this paragraph no longer applies; however, for historical compliance purposes, a copy of the plan must be retained and available according to the requirements in 40 CFR § 63.2394(c) for five years after July 7, 2023.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2354]**Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
What performance tests, design evaluations, and performance evaluations must I conduct?**

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

(a) For each performance test conducted, you must use the procedures specified in 40 CFR 63, Subpart SS and the provisions specified in paragraph (b) below.

(b)(1) For nonflare control devices, you must conduct each performance test according to the requirements in 40 CFR § 63.7(e)(1), and either 40 CFR §§ 63.988(b), 63.990(b), or 63.995(b), using the procedures specified in 40 CFR § 63.997(e).

(2) You must conduct three (3) separate test runs for each performance test on a nonflare control device as specified in 40 CFR §§ 63.7(e)(3) and 63.997(e)(1)(v). Each test run must last at least one (1) hour, except as provided in 40 CFR §§ 63.997(e)(1)(v)(A) and (B).

(3)(i) In addition to EPA Method 25 or 25A of 40 CFR 60, Appendix A, to determine compliance with the organic hazardous air pollutant (HAP) or total organic compound (TOC) emission limit, the permittee may use EPA Method 18 of 40 CFR 60, Appendix A. As an alternative to EPA Method 18, the permittee may use ASTM D6420-99 (Reapproved 2004), Standard Test Method for Determination of Gaseous Organic Compounds by Direct Interface Gas Chromatography-Mass Spectrometry (incorporated by reference, see 40 CFR § 63.14), under the conditions specified in paragraph (b)(3)(ii) below.

(A) If you use EPA Method 18 to measure compliance with the percentage efficiency limit, the permittee must first determine which organic HAP are present in the inlet gas stream (i.e., uncontrolled emissions) using knowledge of the organic liquids or the screening procedure described in EPA Method 18. In conducting the performance test, you must analyze samples collected as specified in EPA Method 18, simultaneously at the inlet and outlet of the control device. Quantify the emissions for the same organic HAP identified as present in the inlet gas stream for both the inlet and outlet gas streams of the control device.

(B) If you use EPA Method 18 of 40 CFR 60, Appendix A, to measure compliance with the emission concentration limit, the permittee must first determine which organic HAP are present in the inlet gas stream using knowledge of the organic liquids or the screening procedure described in EPA Method 18. In conducting the performance test, analyze samples collected as specified in EPA Method 18 at the outlet of the control device. Quantify the control device outlet emission concentration for the same organic HAP identified as present in the inlet or uncontrolled gas stream.

(ii) You may use ASTM D6420-99 (Reapproved 2004), Standard Test Method for Determination of Gaseous Organic Compounds by Direct Interface Gas Chromatography-Mass Spectrometry (incorporated by reference, see 40 CFR § 63.14),

**SECTION D. Source Level Requirements**

as an alternative to EPA Method 18, if the target concentration is between 150 parts per billion by volume and 100 ppmv and either of the conditions specified in paragraph (b)(2)(ii)(A) or (b)(2)(ii)(B) exists. For target compounds not listed in Section 1.1 of ASTM D6420-99 (Reapproved 2004) and not amenable to detection by mass spectrometry, you may not use ASTM D6420-99 (Reapproved 2004).

(A) The target compounds are those listed in Section 1.1 of ASTM D6420-99 (Reapproved 2004), Standard Test Method for Determination of Gaseous Organic Compounds by Direct Interface Gas Chromatography-Mass Spectrometry (incorporated by reference, see 40 CFR § 63.14); or

(B) For target compounds not listed in Section 1.1 of ASTM D6420-99 (Reapproved 2004), Standard Test Method for Determination of Gaseous Organic Compounds by Direct Interface Gas Chromatography-Mass Spectrometry (incorporated by reference, see 40 CFR § 63.14), but potentially detected by mass spectrometry, the additional system continuing calibration check after each run, as detailed in ASTM D6420-99 (Reapproved 2004), Section 10.5.3, must be followed, met, documented, and submitted with the data report, even if there is no moisture condenser used or the compound is not considered water-soluble.

(4) If a principal component of the uncontrolled or inlet gas stream to the control device is formaldehyde, the permittee may use EPA Method 316 of 40 CFR 63, Appendix A, instead of EPA Method 18 of 40 CFR 60, Appendix A, for measuring the formaldehyde. If formaldehyde is the predominant organic HAP in the inlet gas stream, the permittee may use EPA Method 316 alone to measure formaldehyde either at the inlet and outlet of the control device using the formaldehyde control efficiency as a surrogate for total organic HAP or TOC efficiency, or at the outlet of a combustion device for determining compliance with the emission concentration limit.

(5) You may not conduct performance tests during periods of SSM, as specified in 40 CFR § 63.7(e)(1).

(c) To determine the HAP content of the organic liquid, you may use EPA Method 311 of 40 CFR 63, Appendix A, or other method approved by the EPA Administrator. In addition, the permittee may use other means, such as voluntary consensus standards, material safety data sheets (MSDS), or certified product data sheets, to determine the HAP content of the organic liquid. If the method selected to determine the HAP content provides HAP content ranges, the permittee must use the upper end of each HAP content range in determining the total HAP content of the organic liquid. The EPA may require permittee to test the HAP content of an organic liquid using EPA Method 311 or other method approved by the EPA Administrator. If the results of the EPA Method 311 (or any other approved method) are different from the HAP content determined by another means, the EPA Method 311 (or approved method) results will govern.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2362]

**Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
When must I conduct subsequent performance tests?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441 and Table 5 to Subpart EEEE of Part 63.]

For nonflare control devices, you must conduct subsequent performance testing required in Table 5, item 1, at any time the EPA Administrator requests in accordance with Section 114 of the Clean Air Act (CAA).

(a) Each existing, each reconstructed, and each new affected source using a nonflare control device to comply with an emission limit in Table 2 to this subpart, items 1 through 10, you must conduct:

(1) A performance test to determine the organic HAP (or upon approval, TOC) control efficiency of each nonflare control device, or the exhaust concentration of each combustion device; or, according to 40 CFR §§ 63.985(b)(1)(ii), 63.988(b), 63.990(b), or 63.995(b):

(i) Using EPA Method 1 or 1A in Appendix A-1 of 40 CFR 60, as appropriate, to determine sampling port locations and the required number of traverse points.

(ii) Using Method 2, 2A, 2C, 2D, or 2F in Appendix A-1 of 40 CFR 60, or EPA Method 2G in Appendix A-2 of 40 CFR 60, as appropriate, to determine the stack gas velocity and volumetric flow rate.

**SECTION D. Source Level Requirements**

(iii) EPA Method 3 or 3B in Appendix A-2 of 40 CFR 60, as appropriate, to determine the concentration of CO₂ and O₂ and dry molecular weight of the stack gas.

(iv) EPA Method 4 in Appendix A-3 of 40 CFR 60, to determine the moisture content of the stack gas.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2370]**Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
How do I demonstrate initial compliance with the emission limitations, operating limits, and work practice standards?**

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

(a) You must demonstrate initial compliance with each emission limitation and work practice standard that applies as specified in Tables 6 and 7.

(b) You must demonstrate initial compliance with the operating limits requirements specified in 40 CFR § 63.2346(e) by establishing the operating limits during the initial performance test or design evaluation.

(c) You must submit the results of the initial compliance determination in the Notification of Compliance Status according to the requirements in 40 CFR § 63.2382(d).

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2374]**Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
When do I monitor and collect data to demonstrate continuous compliance and how do I use the collected data?**

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

(a) You must monitor and collect data according to 40 CFR 63, Subpart SS and paragraphs (b) and (c) below.

(b) When using a control device to comply with this regulation, you must monitor continuously or collect data at all required intervals at all times that the emission source and control device are in organic liquid distribution (OLD) operation, except for continuous monitoring systems (CMS) malfunctions (including any malfunction preventing the CMS from operating properly), associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments).

(c) Do not use data recorded during CMS malfunctions, associated repairs, required quality assurance or control activities, or periods when emissions from organic liquids are not routed to the control device in data averages and calculations used to report emission or operating levels. Do not use such data in fulfilling a minimum data availability requirement, if applicable. You must use all of the data collected during all other periods, including periods of SSM, in assessing the operation of the control device.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2378]**Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
How do I demonstrate continuous compliance with the emission limitations, operating limits, and work practice standards?**

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

(a) You must demonstrate continuous compliance with each applicable emission limitation, operating limit, and work practice standard in Tables 2 through 4 that applies to according to the methods specified in 40 CFR 63, Subpart SS and in Tables 8 through 10, as applicable. You must also comply with the requirements specified in § 63.2346(l).

(b) You must follow the requirements in 40 CFR §§ 63.6(e)(1) and 63.6(3) during periods of startup, shutdown, malfunction (SSM), or nonoperation of the affected source or any part thereof. In addition, the provisions of paragraphs (b)(1) through (b)(3) apply.

(1) The emission limitations in this subpart apply at all times except during periods of nonoperation of the affected source (or specific portion thereof) resulting in cessation of the emissions to which this subpart applies. The emission limitations of this subpart apply during periods of SSM, except as provided in paragraphs (b)(2) and (b)(3). However, if a SSM, or period of nonoperation of one portion of the affected source does not affect the ability of a particular emission

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source to comply with the emission limitations to which it is subject, then that emission source is still required to comply with the applicable emission limitations of this subpart during the startup, shutdown, malfunction, or period of nonoperation.

(2) The owner or operator must not shut down control devices or monitoring systems that are required or utilized for achieving compliance with this regulation during periods of SSM while emissions are being routed to such items of equipment if the shutdown would contravene requirements of this subpart applicable to such items of equipment. This paragraph (b)(2) does not apply if the item of equipment is malfunctioning. This paragraph (b)(2) also does not apply if the owner or operator shuts down the compliance equipment (other than monitoring systems) to avoid damage due to a contemporaneous SSM of the affected source or portion thereof. If the owner or operator has reason to believe that monitoring equipment would be damaged due to a contemporaneous SSM of the affected source or portion thereof, the owner or operator must provide documentation supporting such a claim in the next Compliance Report required in Table 11 to this subpart, item 1. Once approved by the Administrator, the provision for ceasing to collect, during a SSM, monitoring data that would otherwise be required by the provisions of this subpart must be incorporated into the SSM plan.

(3) During SSM, you must implement, to the extent reasonably available, measures to prevent or minimize excess emissions. For purposes of this paragraph (b)(3), the term "excess emissions" means emissions greater than those allowed by the emission limits that apply during normal operational periods. The measures to be taken must be identified in the SSM plan, and may include, but are not limited to, air pollution control technologies, recovery technologies, work practices, pollution prevention, monitoring, and/or changes in the manner of operation of the affected source. Back-up control devices are not required, but may be used if available.

(c) Periods of planned routine maintenance of a control device used to control storage tanks or transfer racks, during which the control device does not meet the emission limits in Table 2, must not exceed 240 hours per year.

(d) If you elect to route emissions from storage tanks or transfer racks to a fuel gas system or to a process, as allowed by 40 CFR § 63.982(d), to comply with the emission limits in Table 2 to this subpart, the total aggregate amount of time during which the emissions bypass the fuel gas system or process during the calendar year without being routed to a control device, for all reasons (except SSM or product changeovers of flexible operation units and periods when a storage tank has been emptied and degassed), must not exceed 240 hours.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2386]

Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)

What reports must I submit and when and what information is to be submitted in each?

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

(a) The affected facility must submit each report in 40 CFR 63, Subpart SS of this part, Table 11, Table 12, and in paragraphs (c) through (e) that applies.

(b) Unless the EPA Administrator has approved a different schedule for submission of reports under 40 CFR § 63.10(a), the affected facility must submit each report according to Table 11 and by the dates shown in the paragraphs below by the dates shown in 40 CFR 63, Subpart SS, and by the dates shown in Table 12, whichever are applicable.

(1)(i) The first Compliance Report must cover the period beginning on the compliance date that is specified for the affected source in 40 CFR § 63.2342 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for the affected source in 40 CFR § 63.2342.

(ii) The first Compliance Report must be postmarked no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date that is specified for the affected source in 40 CFR § 63.2342.

(2)(i) Each subsequent Compliance Report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(ii) Each Compliance Report must be postmarked no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(3) For each affected source that is subject to permitting regulations pursuant to 40 CFR 70 or 40 CFR 71, if the permitting

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authority has established dates for submitting semiannual reports pursuant to 40 CFR §§ 70.6(a)(3)(iii)(A) or 71.6(a)(3)(iii)(A), the affected facility may submit the Compliance Reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) and (b)(2) above.

(c) First Compliance Report. The first Compliance Report must contain the information specified in paragraphs (c)(1) through (c)(10) below.

(1) Company name and address.

(2) Statement by a responsible official, including the official's name, title, and signature, certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

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

(4) Any changes to the information listed in 40 CFR § 63.2382(d)(2) that have occurred since the submittal of the Notification of Compliance Status.

(5) If the affected facility had a SSM during the reporting period and took actions consistent with its SSM plan, the Compliance Report must include the information described in 40 CFR § 63.10(d)(5)(i).

(6) If there are no deviations from any emission limitation or operating limit that applies to the affected facility and there are no deviations from the requirements for work practice standards, a statement that there were no deviations from the emission limitations, operating limits, or work practice standards during the reporting period.

(7) If there were no periods during which the CMS was out of control as specified in 40 CFR § 63.8(c)(7), a statement that there were no periods during which the CMS was out of control during the reporting period.

(8) For closed vent systems and control devices used to control emissions, the information specified in paragraphs (c)(8)(i) and (c)(8)(ii) below for those planned routine maintenance activities that would require the control device to not meet the applicable emission limit.

(i) A description of the planned routine maintenance that is anticipated to be performed for the control device during the next six (6) months. This description must include the type of maintenance necessary, planned frequency of maintenance, and lengths of maintenance periods.

(ii) A description of the planned routine maintenance that was performed for the control device during the previous six (6) months. This description must include the type of maintenance performed and the total number of hours during those six (6) months that the control device did not meet the applicable emission limit due to planned routine maintenance.

(9) A listing of all transport vehicles into which organic liquids were loaded at transfer racks that are subject to control based on the criteria specified in Table 2, items 7 through 10 (see appendix A of this operating permit), during the previous six (6) months for which vapor tightness documentation as required in 40 CFR § 63.2390(c) was not on file at the facility.

(10) (i) A listing of all transfer racks (except those racks at which only unloading of organic liquids occurs) and of tanks greater than or equal to 18.9 cubic meters (5,000 gallons) that are part of the affected source but are not subject to any of the emission limitations, operating limits, or work practice standards of this subpart.

(d) Subsequent Compliance Reports. Subsequent Compliance Reports must contain the information in the paragraphs (c)(1) through (c)(9) and, where applicable, the information in paragraphs (d)(1) through (d)(4) below.

(1) Include in the Compliance Report the information in paragraphs (d)(1)(i) through (d)(1)(iii) below, as applicable.

(i) For each storage tank and transfer rack subject to control requirements, include periods of planned routine maintenance during which the control device did not comply with the applicable emission limits in Table 2.

**SECTION D. Source Level Requirements**

(ii) For each storage tank controlled with a floating roof, include a copy of the inspection record (required in 40 CFR §63.1065(b)) when inspection failures occur.

(iii) If the permittee elects to use an extension for a floating roof inspection in accordance with 40 CFR §§ 63.1063(c)(2)(iv)(B) or (e)(2), include the documentation required by those paragraphs.

(3)(i) A listing of any storage tank that became subject to controls based on the criteria for control specified in Table 2, items 1 through 6, since the filing of the last Compliance report.

(ii) A listing of any transfer rack that became subject to controls based on the criteria for control specified in Table 2, items 7 through 10, since the filing of the last Compliance report.

(4)(i) A listing of tanks greater than or equal to 18.9 cubic meters (5,000 gallons) that became part of the affected source but are not subject to any of the emission limitations, operating limits, or work practice standards of this regulation, since the last Compliance Report.

(ii) A listing of all transfer racks (except those racks at which only the unloading of organic liquids occurs) that became part of the affected source but are not subject to any of the emission limitations, operating limits, or work practice standards of this subpart, since the last Compliance Report.

(e) Each affected source that has obtained a Title V Operating Permit pursuant to 40 CFR 70 or 40 CFR 71 must report all deviations as defined in this regulation in the semiannual monitoring report required by 40 CFR § 70.6(a)(3)(iii)(A) or 71.6(a)(3)(iii)(A). If an affected source submits a Compliance Report pursuant to Table 11 along with, or as part of, the semiannual monitoring report required by 40 CFR §§ 70.6(a)(3)(iii)(A) or 71.6(a)(3)(iii)(A), and the Compliance Report includes all required information concerning deviations from any emission limitation in this regulation, the EPA will consider submission of the Compliance Report as satisfying any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report will not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the applicable Title V permitting authority.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2390]

Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
What records must I keep?

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

(a) For each emission source identified in 40 CFR § 63.2338 that does not require control under this subpart, you must keep all records identified in 40 CFR § 63.2343.

(b) For each emission source identified in 40 CFR § 63.2338 that does require control under this regulation:

(1) The affected facility must keep all records identified in 40 CFR 63, Subpart SS and in Table 12 that are applicable, including records related to notifications and reports, SSM, performance tests, CMS, and performance evaluation plans; and;

(2) The affected facility must keep the records required to show continuous compliance, as required in 40 CFR 63, Subpart SS and in Tables 8 through 10, with each emission limitation, operating limit, and work practice standard that applies.

(c) You must keep records of the total actual annual facility-level organic liquid loading volume as defined in 40 CFR § 63.2406 through transfer racks to document the applicability, or lack thereof, of the emission limitations in Table 2, items 7 through 10.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2396]

Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
What compliance options do I have if part of my plant is subject to both this subpart and another subpart?

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

**SECTION D. Source Level Requirements**

(a) Compliance with other regulations for transfer racks. After the compliance dates specified in 40 CFR § 63.2342, if the affected facility has a transfer rack(s) that is subject to 40 CFR 61, Subpart BB, and that transfer rack is in OLD operation, you must meet all of the requirements of this regulation for that transfer rack when the transfer rack is in OLD operation during the loading of organic liquids.

(b) Compliance with other regulations for equipment leak components.

(1) After the compliance dates specified in 40 CFR § 63.2342, if the affected facility have pumps, valves, or sampling connections that are subject to a 40 CFR 60 provisions, and those pumps, valves, and sampling connections are in OLD operation and in organic liquids service, as defined in this regulation, you must comply with the provisions for those equipment leak components.

(2) After the compliance dates specified in 40 CFR § 63.2342, if the affected facility has pumps, valves, or sampling connections subject to 40 CFR 63, Subpart GGG, and those pumps, valves, and sampling connections are in OLD operation and in organic liquids service, as defined in this regulation, you may elect to comply with the provisions for all such equipment leak components. The permittee must identify in the Notification of Compliance Status required by 40 CFR § 63.2382(b) the provisions with which the permittee will comply.

(c) Overlap with other regulations for monitoring, recordkeeping, and reporting.

(1) Control devices. After the compliance dates specified in 40 CFR § 63.2342, if any control device subject to this provision is also subject to monitoring, recordkeeping, and reporting requirements of another 40 CFR 63 provision, you must be in compliance with the monitoring, recordkeeping, and reporting requirements of this regulation. If complying with the monitoring, recordkeeping, and reporting requirements of the other regulations satisfies the monitoring, recordkeeping, and reporting requirements of this provision, you may elect to continue to comply with the monitoring, recordkeeping, and reporting requirements of the other regulation. In such instances, the affected facility will be deemed to be in compliance with the monitoring, recordkeeping, and reporting requirements of this regulation. You must identify the other provision being complied with in the Notification of Compliance Status required by 40 CFR § 63.2382(b).

(2) Equipment leak components. After the compliance dates specified in 40 CFR § 63.2342, if you are applying the applicable recordkeeping and reporting requirements of another 40 CFR 63 regulation to the valves, pumps, and sampling connection systems associated with a transfer rack subject to this provision that only unloads organic liquids directly to or via pipeline to a non-tank process unit component or to a storage tank subject to the another 40 CFR 63 regulation, the affected must be in compliance with the recordkeeping and reporting requirements of this provision. If complying with the recordkeeping and reporting requirements of the other 40 CFR 63 regulation satisfies the recordkeeping and reporting requirements of this provision, you may elect to continue to comply with the recordkeeping and reporting requirements of the other regulation. In such instances, the permittee will be deemed to be in compliance with the recordkeeping and reporting requirements of this regulation. You must identify the other provision being complied with in the Notification of Compliance Status required by 40 CFR § 63.2382(b).

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2398]

Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
What parts of the General Provisions apply to me?

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

Table 12 to this subpart shows which parts of the General Provisions in 40 CFR §§ 63.1 through 63.15 apply to you.

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

**SECTION D. Source Level Requirements**

Source ID: 999

Source Name: 40 CFR 63, SUBPART FFFF

Source Capacity/Throughput:

N/A

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.

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

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.

**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart FFFF Table 1]
Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing
Emission Limits and Work Practice Standards for Continuous Process**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441 and 40 CFR § 63.2455.]

As required in 40 CFR § 63.2455, you must meet each emission limit and work practice standard in that applies to your continuous process vents:

(a) For each Group 1 continuous process vent, you must:

(1) Reduce emissions of total organic HAP by greater than or equal to 98% by weight or to an outlet process concentration less than or equal to 20 ppmv as organic HAP or TOC by venting emissions through a closed-vent system to any combination of control devices (except a flare); or

(2) Use a recovery device to maintain the TRE above 1.9 for an existing source or above 5.0 for a new source.

**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart FFFF Table 2]
Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing**

**SECTION D. Source Level Requirements****Emission Limits and Work Practice Standards for Batch Process**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441 and 40 CFR 63.2460.]

As required in 40 CFR § 63.2460, you must meet each emission limit and work practice standard in Table 2 that applies to your batch process vents:

(a) For each process with Group 1 batch process vents, you must:

(1) Reduce collective uncontrolled organic HAP emissions from the sum of all batch process vents within the process by greater than or equal to 98% by weight by venting emissions from a sufficient number of the vents through one or more closed-vent systems to any combination of control devices (except a flare); or

(2) Reduce collective uncontrolled organic HAP emissions from the sum of all batch process vents within the process by greater than or equal to 95% by weight by venting emissions from a sufficient number of the vents through one or more closed-vent systems to any combination of recovery devices or a biofilter, except you may elect to comply with the requirements of 40 CFR 63, Subpart WW for many process tank; or

(3) Reduce uncontrolled organic HAP emissions from one or more batch process vents within the process by venting through a closed-vent system to a flare or by venting through one or more closed-vent systems to any combination of control devices (excluding a flare) that reduce organic HAP to an outlet concentration less than or equal to 20 ppmv as TOC or total organic HAP.

(i) For all other batch process vents within the process, reduce collective organic HAP emissions as specified in paragraph (a)(1).

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart FFFF Table 5]**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing****Emission Limits and Work Practice Standards for Transfer Racks**

[Additional authority for this permit condition is also derived from 40 CFR 63.2475.]

As required in 40 CFR § 63.2475, you must meet each emission limit and work practice standard in the following table that applies to your transfer racks:

(a) For each Group 1 transfer rack, you must:

(1) Reduce emissions of total organic HAP by greater than or equal to 98% by weight or to an outlet concentration less than or equal to 20 ppmv as organic HAP or TOC by venting emissions through a closed-vent system to any combination of control devices (except a flare); or

(2) Reduce emissions of total organic HAP by venting emissions to a fuel gas system or process in accordance with 40 CFR § 63.982(d) and the requirements referenced therein; or

(3) Use a vapor balancing system designed and operated to collect organic HAP vapors displaced from tank trucks and railcars during loading and route the collected HAP vapors to the storage tank from which the liquid being loaded originated or to another storage connected by a common header.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart FFFF Table 6]**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing****Requirements for Equipment Leaks**

[Additional authority for this permit condition is also derived from and 40 CFR § 63.2480.]

As required in 40 CFR § 63.2480, you must meet each requirement in the following table that applies to your equipment leaks:

**SECTION D. Source Level Requirements**

(1) For all equipment that is in organic HAP service and that is part of any MPCU, you must comply with the requirements of 40 CFR 63, Subparts UU and the requirements referenced therein, except as specified in 40 CFR §§ 63.2480(b) and (d) through (f); or

(2) Comply with the requirements of subpart H of this part and the requirements referenced therein, except as specified in 40 CFR §§ 63.2480(b) and (d) through (f); or

(3) Comply with the requirements of 40 CFR part 65, subpart F, and the requirements referenced therein, except as specified in 40 CFR §§ 63.2480(c), and (d) through (f)

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart FFFF Table 7]**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing****Requirements for Wastewater Streams and Liquid Streams in Open Systems Within an MCPU**

[Additional authority for this permit condition is also derived from 40 CFR § 63.2485.]

As required in 40 CFR § 63.2485, you must meet each requirement in the following table that applies to your wastewater streams and liquid streams in open systems within an MCPU:

For each process wastewater stream, you must comply with the requirements of 40 CFR §§ 63.132 through 63.148 and the requirements referenced therein, except as specified in 40 CFR § 63.2485.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2430]**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing****What is the purpose of this subpart?**

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

(a) The affected facility shall comply with all applicable regulations of 40 CFR 63, Subpart FFFF which establishes national emission standards for hazardous air pollutants (NESHAP) for miscellaneous organic chemical manufacturing. This regulation also establishes requirements to demonstrate initial and continuous compliance with the emission limits, operating limits, and work practice standards.

(b) The following sources and source groups at the Altuglas LLC Bristol Plant are subject to the provisions of 40 CFR 63, Subpart FFFF:

(1) The PM-1 Acrylic Molding Resins Process (Source ID: 723)

(2) The Spray Dryer (Source ID: 690)

(3) The Bldg. 66 Plastic Additives Process (Source ID: 100)

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2435]**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing****Am I subject to the requirements in this subpart?**

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

(a) A facility is subject to the requirements in this regulation if it operates miscellaneous organic chemical manufacturing process units (MPCU) that are located at, or are part of, a major source of hazardous air pollutants (HAP) emissions as defined in section 112(a) of the Clean Air Act (CAA).

(b) An MPCU includes equipment necessary to operate a miscellaneous organic chemical manufacturing process, as defined in 40 CFR § 63.2550, that satisfies all of the conditions specified in paragraphs (b)(1) through (b)(3) below. An MPCU also includes any assigned storage tanks and transfer racks; equipment in open systems that is used to convey or

**SECTION D. Source Level Requirements**

store water having the same concentration and flow characteristics as wastewater; and components such as pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, and instrumentation systems that are used to manufacture any material or family of materials described in paragraphs (b)(1)(i) through (b)(1)(v) paragraph.

(1) The MCPU produces material or family of materials that is described in paragraphs (b)(1)(i), (b)(1)(ii), (b)(1)(iii), (b)(1)(iv), or (b)(1)(v) below.

(i) An organic chemical(s) classified using the 1987 version of SIC code 282, 283, 284, 285, 286, 287, 289, or 386, except as provided in paragraph (c)(5) below.

(ii) An organic chemical(s) classified using the 1997 version of NAICS code 325, except as provided in paragraph (c)(5) below.

(iii) Quaternary ammonium compounds and ammonium sulfate produced with caprolactam.

(iv) Hydrazine.

(v) Organic solvents classified in any of the SIC or NAICS codes listed in paragraph (b)(1)(i) or (b)(1)(ii) that are recovered using nondedicated solvent recovery operations.

(2) The MCPU processes, uses, or generates any of the organic HAP listed in Section 112(b) of the Clean Air Act (CAA) or hydrogen halide and halogen HAP, as defined in 40 CFR § 63.2550.

(3) The MCPU is not an affected source or part of an affected source under another provision of 40 CFR 63, except for process vents from batch operations within a chemical manufacturing process unit (CMPU), as identified in 40 CFR § 63.100(j)(4). For this situation, the MCPU is the same as the CMPU as defined in 40 CFR § 63.100, and the affected facility is subject only to the requirements for batch process vents in this regulation.

(c) If the predominant use of a transfer rack loading arm or storage tank (including storage tanks in series) is associated with a miscellaneous organic chemical manufacturing process, and the loading arm or storage tank is not part of an affected source under a provision of 40 CFR 63, then you must assign the loading arm or storage tank to the MCPU for that miscellaneous organic chemical manufacturing process. If the predominant use cannot be determined, then you may assign the loading arm or storage tank to any MCPU that shares it and is subject to this regulation. If the use varies from year to year, then you must base the determination on the utilization that occurred during the year preceding November 10, 2003 or, if the loading arm or storage tank was not in operation during that year, you must base the use on the expected use for the first five (5) year period after startup. You must include the determination in the notification of compliance status report specified in 40 CFR § 63.2520(d). You must redetermine the primary use at least once every five (5) years, or any time you implement emissions averaging or pollution prevention after the compliance date.

(c) For nondedicated equipment used to create at least one (1) MCPU, you may elect to develop process unit groups (PUG), determine the primary product of each PUG, and comply with the requirements of 40 CFR 63 that applies to that primary product as specified in 40 CFR § 63.2535(l).

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2440]

Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing

What parts of my plant does this subpart cover?

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

(a) This subpart applies to each miscellaneous organic chemical manufacturing affected source.

(b) A miscellaneous organic chemical manufacturing affected source is the facilitywide collection of miscellaneous organic chemical manufacturing process units (MCPU) and heat exchange systems, wastewater, and waste management units that are associated with manufacturing materials described in 40 CFR § 63.2435(b)(1).

**SECTION D. Source Level Requirements****# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2445]****Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing****When do I have to comply with this subpart?**

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

(a) If the affected facility is an existing source on November 10, 2003, you must comply with the requirements for existing sources in this subpart no later than May 10, 2008.

(b) You must meet the notification requirements in 40 CFR § 63.2515 according to the dates specified in that section and in 40 CFR 63, Subpart A. Some of the notifications must be submitted before you are required to comply with the emission limits, operating limits, and work practice standards in this subpart.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2450]**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing****What are my general requirements for complying with this subpart?**

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

(a) You must be in compliance with the emission limits and work practice standards in Tables 1 through 7 at all times, except during periods of startup, shutdown, and malfunction (SSM), and you must meet the requirements specified in 40 CFR §§ 63.2455 through 63.2490 (or the alternative means of compliance in 40 CFR §§ 63.2495, 63.2500, or 63.2505), except as specified in paragraphs (b) through (m) of this regulation. You must meet the notification, reporting, and recordkeeping requirements specified in 40 CFR §§ 63.2515, 63.2520, and 63.2525.

(b) Requirements for combined emission streams. When organic HAP emissions from different emission types (e.g., continuous process vents, batch process vents, storage tanks, transfer operations, and waste management units) are combined, the you must comply with the requirements of either paragraph (b)(1) or (c)(2) below.

(1) Comply with the applicable requirements of this subpart for each kind of organic HAP emissions in the stream (e.g., the requirements of Table 1 for continuous process vents and the requirements of Table 4 for emissions from storage tanks).

(2) Determine the applicable requirements based on the hierarchy presented in paragraphs (b)(2)(i) through (b)(2)(vi) below. For a combined stream, the applicable requirements are specified in the highest-listed paragraph in the hierarchy that applies to any of the individual streams that make up the combined stream. For example, if a combined stream consists of emissions from Group 1 batch process vents and any other type of emission stream, then you must comply with the requirements in paragraph (b)(2)(i) for the combined stream; compliance with the requirements in paragraph (b)(2)(i) constitutes compliance for the other emission streams in the combined stream. Two exceptions are that you must comply with the requirements in Table 3 and 40 CFR § 63.2465 for all process vents with hydrogen halide and halogen HAP emissions, and recordkeeping requirements for Group 2 applicability or compliance are still required (e.g., the requirement in 40 CFR § 63.2525(e) to track the number of batches produced and calculate rolling annual emissions for processes with Group 2 batch process vents).

(i) The requirements of Table 2 and 40 CFR § 63.2460 for Group 1 batch process vents, including applicable monitoring, recordkeeping, and reporting.

(ii) The requirements of Table 1 and 40 CFR § 63.2455 for continuous process vents that are routed to a control device, as defined in 40 CFR § 63.981, including applicable monitoring, recordkeeping, and reporting.

(iii) The requirements of Table 5 and 40 CFR § 63.2475 for transfer operations, including applicable monitoring, recordkeeping, and reporting.

(iv) The requirements of Table 1 and 40 CFR § 63.2455 for continuous process vents after a recovery device including applicable monitoring, recordkeeping, and reporting.

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(c) Requirements for control devices.

(1) Except when complying with 40 CFR § 63.2485, if you reduce organic HAP emissions by venting emissions through a closed-vent system to any combination of control devices (except a flare) or recovery devices, you must meet the requirements of 40 CFR § 63.982(b) and the requirements referenced therein.

(d) Requirements for performance tests. The requirements specified in paragraphs (e)(1) through (e)(5) below apply instead of or in addition to the requirements specified in 40 CFR 63, Subpart SS.

(1) Conduct gas molecular weight analysis using Method 3, 3A, or 3B in 40 CR 60, Appendix A.

(2) Measure moisture content of the stack gas using Method 4 in 40 CFR 60, Appendix A.

(3) If the uncontrolled or inlet gas stream to the control device contains carbon disulfide, the permittee must conduct emissions testing according to paragraphs (f)(3)(i) or (f)(3)(ii).

(i) If you elect to comply with the outlet total organic compound (TOC) concentration emission limits in Tables 1 through 7, and the uncontrolled or inlet gas stream to the control device contains greater than 10% (volume concentration) carbon disulfide, the permittee must use Method 18 or Method 15 to separately determine the carbon disulfide concentration. Calculate the total HAP or TOC emissions by totaling the carbon disulfide emissions measured using Method 18 or 15 and the other HAP emissions measured using Method 18 or 25A.

(4) As an alternative to using Method 18, Method 25/25A, or Method 26/26A of 40 CFR 60, Appendix A, to comply with any of the emission limits specified in Tables 1 through 7, you may use Method 320 of §40 CFR 60, Appendix A. When using Method 320, you must follow the analyte spiking procedures of Section 13 of Method 320, unless you demonstrate that the complete spiking procedure has been conducted at a similar source.

(5) 40 CFR § 63.997(c)(1) does not apply. For the purposes of this subpart, results of all initial compliance demonstrations must be included in the notification of compliance status report, which is due one hundred-fifty (150) days after the compliance date, as specified in 40 CFR § 63.2520(d)(1).

(e) Design evaluation. To determine the percent reduction of a small control device that is used to comply with an emission limit specified in Tables 1, 2, 3, or 5, you may elect to conduct a design evaluation as specified in 40 CFR § 63.1257(a)(1) instead of a performance test as specified in 40 CFR 63, Subpart SS. You must establish the value(s) and basis for the operating limits as part of the design evaluation. For continuous process vents, the design evaluation must be conducted at maximum representative operating conditions for the process, unless the EPA Administrator specifies or approves alternate operating conditions. For transfer racks, the design evaluation must demonstrate that the control device achieve the required control efficiency during the reasonably expected maximum transfer loading rate.

(f) Outlet concentration correction for combustion devices. When 40 CFR § 63.997(e)(2)(iii)(C) requires you to correct the measured concentration at the outlet of a combustion device to 3% oxygen if adding supplemental combustion air, the requirements in either paragraph (g)(1) or (g)(2) below apply for the purposes of this subpart.

(1) You must correct the concentration in the gas stream at the outlet of the combustion device to 3% oxygen if adding supplemental gases, as defined in 40 CFR § 63.2550, to the vent stream, or;

(2) You must correct the measured concentration for supplemental gases using Equation 1 of 40 CFR § 63.2460; you may use process knowledge and representative operating data to determine the fraction of the total flow due to supplemental gas.

(g) Startup, shutdown, and malfunction. 40 CFR §§ 63.152(f)(7)(ii) through (iv) and 63.998(b)(2)(iii) and (b)(6)(i)(A), which apply to the exclusion of monitoring data collected during periods of SSM from daily averages, do not apply for the purposes of this regulation.

(h) Surge control vessels and bottoms receivers. For each surge control vessel or bottoms receiver that meets the capacity and vapor pressure thresholds for a Group 1 storage tank, you must meet emission limits and work practice standards

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specified in Table 4 to this regulation.

(j) For the purposes of determining Group status for continuous process vents, batch process vents, and storage tanks in 40 CFR §§ 63.2455, 63.2460, and 63.2470, hydrazine is to be considered an organic HAP.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2455]

Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing

What requirements must I meet for continuous process vents?

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

(a) You must meet each emission limit in Table 1 that applies to its continuous process vents, and must meet each applicable requirement specified in paragraphs (b) through (c).

(b) For each continuous process vent, you must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in 40 CFR § 63.115(d), except as specified in paragraphs (b)(1) through (b)(3).

(1) You are not required to determine the Group status or the TRE index value for any continuous process vent that is combined with Group 1 batch process vents before a control device or recovery device because the requirements of 40 CFR § 63.2450(c)(2)(i) apply to the combined stream.

(2) When a TRE index value of 4.0 is referred to in 40 CFR § 63.115(d), TRE index values of 5.0 for existing affected sources and 8.0 for new and reconstructed affected sources apply for the purposes of this subpart.

(3) When 40 CFR § 63.115(d) refers to "emission reductions specified in 40 CFR § 63.113(a)," the reductions specified in Table 1 apply for the purposes of this subpart.

(c) If you use a recovery device to maintain the TRE above a specified threshold, you must meet the requirements of 40 CFR § 63.982(e) and the requirements referenced therein, except as specified in 40 CFR § 63.2450 and paragraph (c)(1).

(1) When 40 CFR § 63.993 uses the phrase "the TRE index value is between the level specified in a referencing condition and 4.0," the phrase "the TRE index value is >1.9 but <5.0" applies for an existing affected source, and the phrase "the TRE index value is >5.0 but <8.0" applies for a new and reconstructed affected source, for the purposes of this subpart.

Note: The provisions of this section apply no later than the compliance date specified in 40 CFR § 63.2445(b).

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2460]

Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing

What requirements must I meet for batch process vents?

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

(a) You must meet each emission limit in Table 2 that applies, and must meet each applicable requirement specified in paragraphs (b) and (c) below.

(b) Group status. If a process has batch process vents, as defined in 40 CFR § 63.2550, you must determine the group status of the batch process vents by determining and summing the uncontrolled organic HAP emissions from each of the batch process vents within the process using the procedures specified in 40 CFR § 63.1257(d)(2)(i) and (ii), except as specified in paragraphs (b)(1) through (b)(7).

(1) To calculate emissions caused by the heating of a vessel without a process condenser to a temperature lower than the boiling point, you must use the procedures in 40 CFR §63.1257(d)(2)(i)(C)(3).

(2) To calculate emissions from depressurization of a vessel without a process condenser, you must use procedures in 40 CFR § 63.1257(d)(2)(i)(D)(10).

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(3) To calculate emissions from vacuum systems for the purposes of this regulation, the receiving vessel is part of the vacuum system, and terms used in Equation 33, 40 CFR 63, Subpart GGG, are defined as follows:

P_{system} = absolute pressure of the receiving vessel;

P_i = partial pressure of the HAP determined at the exit temperature and exit pressure conditions of the condenser or at the conditions of the dedicated receiver;

P_j = partial pressure of condensables (including HAP) determined at the exit temperature and exit pressure conditions of the condenser or at the conditions of the dedicated receiver;

MW_{HAP} = molecular weight of the HAP determined at the exit temperature and exit pressure conditions of the condenser or at the conditions of the dedicated receiver.

(4) To calculate uncontrolled emissions when a vessel is equipped with a process condenser, you must use the procedures in 40 CFR § 63.1257(d)(3)(i)(B), except as specified in paragraphs (b)(4)(i) through (b)(4)(vii).

(i) You must determine the flowrate of gas (or volume of gas), partial pressures of condensables, temperature (T), and HAP molecular weight (MW_{HAP}) at the exit temperature and exit pressure conditions of the condenser or at the conditions of the dedicated receiver.

(ii) You must assume that all of the components contained in the condenser exit vent stream are in equilibrium with the same components in the exit condensate stream (except for noncondensables).

(iii) You must perform a material balance for each component.

(iv) For the emissions from gas evolution, the term for time, t, must be used in Equation 12, 40 CFR 63, Subpart GGG.

(v) Emissions from empty vessel purging shall be calculated using Equation 36, 40 CFR 63, Subpart GGG and the exit temperature and exit pressure conditions of the condenser or the conditions of the dedicated receiver.

(vi) You must conduct an engineering assessment as specified in 40 CFR § 63.1257(d)(2)(ii) for each emission episode that is not due to vapor displacement, purging, heating, depressurization, vacuum operations, gas evolution, air drying, or empty vessel purging. The requirements of paragraphs (b)(3) through (b)(4) shall apply.

(vii) You may elect to conduct an engineering assessment if the permittee can demonstrate to the EPA Administrator that the methods in 40 CFR § 63.1257(d)(3)(i)(B) are not appropriate.

(5) You may elect to designate the batch process vents within a process as Group 1 and not calculate uncontrolled emissions under either of the situations in paragraphs (b)(5)(i), (ii), or (iii).

(i) If you comply with the alternative standard specified in 40 CFR § 63.2505.

(ii) If all Group 1 batch process vents within a process are controlled; you must conduct the performance test under hypothetical worst case conditions, as defined in 40 CFR § 63.1257(b)(8)(i)(B); and the emission profile is based on capture and control system limitations as specified in 40 CFR § 63.1257(b)(8)(ii)(C).

(6) You may change from Group 2 to Group 1 in accordance with either paragraph (b)(6)(i) or (ii) of this section. You must comply with the requirements of this section and submit the test report in the next Compliance report.

(i) You may switch at any time after operating as Group 2 for at least one (1) year so that you can show compliance with the 10,000 pounds per year (lb/yr) threshold for Group 2 batch process vents for at least 365 days before the switch. You may elect to start keeping records of emissions from Group 2 batch process vents before the compliance date. Report a switch based on this provision in the next compliance report in accordance with 40 CFR § 63.2520(e)(10)(i).

(ii) If the conditions in paragraph (b)(6)(i) are not applicable, you must provide a sixty (60) day advance notice in

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accordance with 40 CFR § 63.2520(e)(10)(ii) before switching.

(7) As an alternative to determining the uncontrolled organic HAP emissions as specified in 40 CFR §§ 63.1257(d)(2)(i) and (ii), you may elect to demonstrate that non-reactive organic HAP are the only HAP used in the process and non-reactive HAP usage in the process is less than 10,000 lb/yr. You must provide data and supporting rationale in the notification of compliance status report explaining why the non-reactive organic HAP usage will be less than 10,000 lb/yr. You must keep records of the non-reactive organic HAP usage as specified in 40 CFR § 63.2525(e)(2) and include information in compliance reports as specified in 40 CFR § 63.2520(e)(5)(iv).

(c) Exceptions to the requirements in 40 CFR 63, Subparts SS and WW are specified in paragraphs (c)(1) through (c)(6).

(1) Initial compliance.

(i) To demonstrate initial compliance with a percent reduction emission limit in Table 2, you must compare the sums of the controlled and uncontrolled emissions for the applicable Group 1 batch process vents within the process, and show that the specified reduction is met.

(ii) When you conduct a performance test or design evaluation for a non-flare control device used to control emissions from batch process vents, you must establish emission profiles and conduct the test under worst-case conditions according to 40 CFR § 63.1257(b)(8) instead of under normal operating conditions as specified in 40 CFR § 63.7(e)(1). The requirements in 40 CFR §§ 63.997(e)(1)(i) and (iii) also do not apply for performance tests conducted to determine compliance with the emission limits for batch process vents. For purposes of this provisions, references in 40 CFR § 63.997(b)(1) to "methods specified in 40 CFR § 63.997(e)" include the methods specified in 40 CFR § 63.1257(b)(8).

(iii) You must conduct a subsequent performance test or compliance demonstration equivalent to an initial compliance demonstration within one hundred-eighty (180) days of a change in the worst-case conditions.

(2) Establishing operating limits. You must establish operating limits under the conditions required for the initial compliance demonstration, except you may elect to establish operating limit(s) for conditions other than those under which a performance test was conducted as specified in paragraph (c)(2)(i) and, if applicable, paragraph (c)(2)(ii).

(i) The operating limits may be based on the results of the performance test and supplementary information such as engineering assessments and manufacturer's recommendations. These limits may be established for conditions as unique as individual emission episodes for a batch process. You must provide rationale in the precompliance report for the specific level for each operating limit, including any data and calculations used to develop the limit and a description of why the limit indicates proper operation of the control device. The procedures provided in the paragraph (c)(2)(i) have not been approved by the Administrator and determination of the operating limit using these procedures is subject to review and approval by the Administrator.

(ii) If you elect to establish separate monitoring levels for different emission episodes within a batch process, the permittee must maintain records in a daily schedule or log of processes indicating each point which changes from one operating limit to another, even if the duration of the monitoring for an operating limit is less than fifteen (15) minutes. You must maintain a daily schedule or log of processes according to 40 CFR § 63.2525(c).

(3) Averaging periods. As an alternative to the requirement for daily averages in 40 CFR § 63.998(b)(3), you may determine averages for operating blocks. An operating block is a period of time that is equal to the time from the beginning to end of batch process operations within a process.

(4) Outlet concentration correction for supplemental gases. If you use a control device other than a combustion device to comply with a TOC, organic HAP, or hydrogen halide and halogen HAP outlet concentration emission limit for batch process vents, you must correct the actual concentration for supplemental gases using Equation 1, 40 CFR § 63.2460; you may use process knowledge and representative operating data to determine the fraction of the total flow due to supplemental gas.

(5) If flow to a control device could be intermittent, you must install, calibrate, and operate a flow indicator at the inlet or outlet of the control device to identify periods of no flow. Periods of no flow may not be used in daily or block averages, and it may not be used in fulfilling a minimum data availability requirement.

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(6) Terminology. When the term "storage vessel" is used in 40 CFR 63, Subpart WW, the term "process tank," as defined in 40 CFR § 63.2550(i), applies for the purposes of this regulation.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2475]

Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing

What requirements must I meet for transfer racks?

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

You must comply with each emission limit and work practice standard in Table 5 that applies to transfer racks:

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2480]

Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing

What requirements must I meet for equipment leaks?

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

You must meet each requirement in Table 6 that applies to your equipment leaks.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2485]

Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing

What requirements must I meet for wastewater streams and liquid streams in open systems within an MCPU?

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

You must meet each requirement in Table 7 that applies to wastewater streams and liquid streams in open systems within an miscellaneous organic chemical manufacturing processing unit (MCPU).

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2520]

Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing

What reports must I submit and when?

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

You must submit each report in Table 11 to this subpart that applies to you.

(a) As required in 40 CFR §§ 63.2520(a) and (b), you must submit a Compliance Report. The report must contain the information specified in 40 CFR § 63.2520(e). You must submit the report semiannually according to the requirements in 40 CFR § 63.2520(b).

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2520]

Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing

What reports must I submit and when?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441 and Table 11 to Subpart FFFF of Part 63.]

(a) Unless the Administrator has approved a different schedule for submission of reports under 40 CFR § 63.10(a), you must submit each report by the date in Table 11 and according to paragraphs (a)(1) through (a)(5).

(1) The first compliance report must cover the period beginning on the compliance date that is specified for your affected source in 40 CFR § 63.2445 and ending on June 30 or December 31, whichever date is the first date following the end of the first 6 months after the compliance date that is specified for your affected source in 40 CFR § 63.2445.

(2) The first compliance report must be postmarked or delivered no later than August 31 or February 28, whichever date is

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the first date following the end of the first reporting period specified in paragraph (a)(1).

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(4) Each subsequent compliance report must be postmarked or delivered no later than August 31 or February 28, whichever date is the first date following the end of the semiannual reporting period.

[Note: Pursuant the provisions of 40 CFR §§ 63.10(5) and (6), the Department has the authority to change the dates by which the periodic reports may be submitted (without changing the frequency of the reporting). The submission deadlines for the MON semiannual report, required in paragraph (b)(2) shall be due on October 1 or April 1. Each subsequent Compliance Report must be postmarked or delivered no later than April 1 or October 1, whichever date is the first date following the end of the semiannual reporting period.]

(5) For each affected source that is subject to permitting regulations pursuant to 40 CFR 70 or 40 CFR 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR § 70.6(a)(3)(iii)(A) or 40 CFR § 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (a)(1) through (a)(4).

(b) Compliance report. The compliance report must contain the information specified in paragraphs (b)(1) through (b)(9).

(1) Company name and address.

(2) Statement by a responsible official with that official's name, title, and signature, certifying the accuracy of the content of the report.

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

(4) For each SSM during which excess emissions occur, the compliance report must include records that the procedures specified in your startup, shutdown, and malfunction plan (SSMP) were followed or documentation of actions taken that are not consistent with the SSMP, and include a brief description of each malfunction.

(5) The compliance report must contain the information on deviations, as defined in 40 CFR § 63.2550, according to paragraphs (d)(5)(i), (ii), (iii), and (iv).

(i) If there are no deviations from any emission limit, operating limit or work practice standard specified in 40 CFR 63, Subpart FFFF, include a statement that there were no deviations from the emission limits, operating limits, or work practice standards during the reporting period.

(ii) For each deviation from an emission limit, operating limit, and work practice standard that occurs at an affected source where you are not using a continuous monitoring system (CMS) to comply with the emission limit or work practice standard in this subpart, you must include the information in paragraphs (d)(5)(ii)(A) through (C). This includes periods of SSM.

(A) The total operating time of the affected source during the reporting period.

(B) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

(C) Operating logs of processes with batch vents from batch operations for the day(s) during which the deviation occurred, except operating logs are not required for deviations of the work practice standards for equipment leaks.

(6) Include each new operating scenario which has been operated since the time period covered by the last compliance report and has not been submitted in the notification of compliance status report or a previous compliance report. For each new operating scenario, you must provide verification that the operating conditions for any associated control or treatment device have not been exceeded and that any required calculations and engineering analyses have been performed. For the

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purposes of this paragraph, a revised operating scenario for an existing process is considered to be a new operating scenario.

(7) Records of process units added to a PUG as specified in 40 CFR § 63.2525(i)(4) and records of primary product redeterminations as specified in 40 CFR § 63.2525(i)(5).

(8) Applicable records and information for periodic reports as specified in referenced 40 CFR 63 Subparts F, G, H, SS, UU, WW, and GGG and 40 CFR 65, Subpart F.

(9) Notification of process change.

(i) Except as specified in paragraph (b)(9)(ii), whenever you make a process change, or change any of the information submitted in the notification of compliance status report or a previous compliance report, that is not within the scope of an existing operating scenario, you must document the change moving within a range of conditions identified in the standard batch, and a nonstandard batch does not constitute a process change. The notification must include all of the information in paragraphs (b)(9)(i)(A) through (C).

(A) A description of the process change.

(B) Revisions to any of the information reported in the original notification of compliance status report under paragraph (c).

(C) Information required by the notification of compliance status report under paragraph (c) for changes involving the addition of processes or equipment at the affected source.

(ii) You must submit a report sixty (60) days before the scheduled implementation date of any of the changes identified in paragraph (b)(10)(ii)(A), (B), or (C).

(A) Any change to the information contained in the precompliance report.

(B) A change in the status of a control device from small to large.

(C) A change from Group 2 to Group 1 for any emission point except for batch process vents that meet the conditions specified in 40 CFR § 63.2460(b)(6)(i).

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2525]

Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing

What records must I keep?

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

The affected facility must keep the records specified in paragraphs (a) through (k) below.

(a) Each applicable record required by 40 CFR 63, Subpart A and referenced in 40 CFR 63, Subparts F, G, SS, UU, WW, and GGG and referenced in 40 CFR 65, Subpart F.

(b) Records of each operating scenario as specified in paragraphs (b)(1) through (b)(8) below.

(1) A description of the process and the type of process equipment used.

(2) An identification of related process vents, including their associated emissions episodes if not complying with the alternative standard in 40 CFR § 63.2505; wastewater point of determination (POD); storage tanks; and transfer racks.

(3) The applicable control requirements of this regulation, including the level of required control, and for vents, the level of control for each vent.

**SECTION D. Source Level Requirements**

- (4) The control device or treatment process used, as applicable, including a description of operating and/or testing conditions for any associated control device.
- (5) The process vents, wastewater POD, transfer racks, and storage tanks (including those from other processes) that are simultaneously routed to the control device or treatment process(s).
- (6) The applicable monitoring requirements of this regulation and any parametric level that assures compliance for all emissions routed to the control device or treatment process.
- (7) Calculations and engineering analyses required to demonstrate compliance.
- (8) For reporting purposes, a change to any of these elements not previously reported, except for paragraph (b)(5), constitutes a new operating scenario.
- (c) A schedule or log of operating scenarios for processes with batch vents from batch operations updated each time a different operating scenario is put into effect.
- (d) The information specified in paragraphs (d)(1) and (d)(2) for Group 1 batch process vents in compliance with a percent reduction emission limit in Table 2 if some of the vents are controlled to less the percent reduction requirement.
- (1) Records of whether each batch operated was considered a standard batch.
- (2) The estimated uncontrolled and controlled emissions for each batch that is considered to be a nonstandard batch.
- (e) A record of each time a safety device is opened to avoid unsafe conditions in accordance with 40 CFR § 63.2450(s).
- (f) For each PUG, the permittee must keep records specified in paragraphs (f)(1) through (f)(5).
- (1) Descriptions of the MCPU and other process units in the initial PUG required by 40 CFR § 63.2535(l)(1)(v).
- (2) Rationale for including each MCPU and other process unit in the initial PUG (i.e., identify the overlapping equipment between process units) required by 40 CFR § 63.2535(l)(1)(v).
- (3) Calculations used to determine the primary product for the initial PUG required by 40 CFR § 63.2535(l)(2)(iv).
- (4) Descriptions of process units added to the PUG after the creation date and rationale for including the additional process units in the PUG as required by 40 CFR § 63.2535(l)(1)(v).
- (5) The calculation of each primary product redetermination required by 40 CFR § 63.2535(l)(2)(iv).

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2540]

Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing

What parts of the General Provisions apply to me?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441 and Table 12 to Subpart FFFF of Part 63.]

Table 12 shows which parts of the General Provisions in 40 CFR §§ 63.1 through 63.15 apply to you.

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

**SECTION E. Source Group Restrictions.**

Group Name: GRP1

Group Description: PM-1/PM-2 Acrylic Molding Resins Processes

Sources included in this group

ID	Name
500	LINE 15 EXTRUDER (VACUUM VENT)
723	PM-1 ACRYLIC MOLDING RESIN PROCESS

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

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

The permittee shall ensure that the minimum overall efficiency of the PM-1/PM-2 Scrubber (Source ID: C723) working in series shall be 98%.

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.**

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

The permittee shall ensure that following parameters for the PM-1/PM-2 Scrubber (Source ID: C723) shall be continuously monitored, whenever the source is operating:

- (a) Water flow rate.
- (b) Water-to-air ratio, whenever one of the PM lines is operating in the air and water conservation mode.

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 § 127.512(h).]

The permittee shall maintain records of the following parameters for the PM-1/PM-2 Scrubber (Source ID: C723) on an hourly and daily basis, whenever the source is operating:

- (a) Water flow rate.
- (b) Water-to-air ratio, whenever one PM lines is operating in the air and water conservation mode.

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

The permittee shall maintain the necessary records to indicate whether the PM lines are operating in the baseline mode or in the air and water conservation mode, whenever the source is operating.

V. REPORTING REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

(a) The following sources and activities shall be operated and maintained in accordance with manufacturer's specifications as well as in a manner consistent with good operating practices

- (1) PM-1 and PM-2 Pelletizer Exhausts
- (2) PM-1 and PM-2 Additive Tanks Vents
- (3) PM-1 Additive Tank Spot Ventilation
- (4) Monomer Mix Tank Spot Ventilation
- (5) Miscellaneous Minor Sources

(b) In addition to the requirement in paragraph (a), the permittee shall implement the visual leak detection and repair (LDAR) program as submitted to the Department for the following sources and activities .

- (1) PM-1 Fugitive Emissions
- (2) PM-2 Fugitive Emissions
- (3) Storage Tank Transfer Piping

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

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

(a) The permittee shall ensure that a water flow rate of at least 60 gallons per minute (gpm) shall be maintained to each column of the PM-1/PM-2 Scrubber (Source ID: C723) while both PM lines are operating. A water flow rate of at least 40 gpm fresh feed, or 43 gpm of recirculated flow shall be maintained the PM-1/PM-2 Scrubber (Source ID: C723) while one PM line is operating under baseline conditions.

(b) The permittee shall ensure that a water flow rate of at least 14 gpm recirculated flow, or that a water-to-air ratio of at least 0.1 shall be maintained to the PM-1/PM-2 Scrubber (Source ID: C723) while one PM line is operating in the air and water conservation mode.

(c) The scrubber water shall flow countercurrent to the vented gases and shall drain to the wastewater collection system.

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

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

The permittee shall ensure that equipment (e.g., flow meter) is installed and maintained so that the water flow rate to the PM-1/PM-2 Scrubber (Source ID: C723) can be measured.

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

The PM-1/PM-2 Scrubber (Source ID: C723) consists of two 2-column, packed tower in series with water as the scrubbing medium.

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

**SECTION E. Source Group Restrictions.**

Group Name: GRP2

Group Description: EA/BA Storage Tanks

Sources included in this group

ID	Name
810	ETHYL ACRYLATE STORAGE TANK
820	BUTYL ACRYLATE STORAGE TANK

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the total emission of volatile organic compounds (VOCs) from this storage tank shall not exceed 2.7 tons per year as a 12-month rolling sum.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the emissions of total volatile organic compounds (VOCs) from this source on a 12-month rolling basis.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate and maintain records of the emissions of total volatile organic compounds (VOCs) from this source on a 12-month rolling 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).

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §129.56]

Storage tanks greater than 40,000 gallons capacity containing VOCs

Pursuant 25 Pa. Code §129.56(g), for volatile organic compounds whose storage temperature is governed by ambient weather conditions, the vapor pressure under actual storage conditions shall be determined using a temperature which is representative of the average storage temperature for the hottest month of the year in which the storage takes place.

005 [25 Pa. Code §129.57]

Storage tanks less than or equal to 40,000 gallons capacity containing VOCs

The provisions of this section shall apply to above ground stationary storage tanks with a capacity equal to or greater than 2,000 gallons which contain volatile organic compounds with vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions. Storage tanks covered under this section shall have pressure relief valves which are maintained in good operating condition and which are set to release at no less than .7 psig (4.8 kilopascals) of pressure or .3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department. 25 Pa. Code §129.56(g) (relating to storage tanks greater than 40,000 gallons capacity containing volatile organic compounds) applies to this section.

**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).

***** 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	SMALL NG & NO. 2 FUEL OIL BOILER		
Emission Limit		Pollutant	
6.620	Lbs/Hr	firing #2 F.O. only	CO
28.990	Tons/Yr	12-month rolling basis	CO
3.260	Lbs/Hr	firing #2 F.O. only	NOX
14.290	Tons/Yr	12-month rolling basis	NOX
1.000	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU	particulate matter	TSP
100	BLDG 66 PLASTIC ADDITIVES PROCESS		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	particulate matter	TSP
0.163	Lbs/Hr	Bldg. 66 Scrubber	VOC
0.710	Tons/Yr	12-month rolling basis	VOC
1,430.000	Lbs/Hr	12-month rolling basis	VOC
6,000.000	Lbs/Yr	12-month rolling basis	VOC
110	N-DDM STORAGE TANK		
Emission Limit		Pollutant	
100.000	Lbs/Yr	12-month rolling basis	VOC
117	COMPOUNDING LINE 17		
Emission Limit		Pollutant	
1.530	Tons/Yr	12-month rolling basis	Methyl Methacrylate
0.020	gr/CF		PM10
1.610	Tons/Yr	12-month rolling basis	VOC
230	BLDG 115 (HOUSE VACUUM SYSTEM)		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	particulate matter	TSP
300	BLDG 133 HOUSE VACUUM		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	particulate matter	TSP
400	BLDG 142 HOUSE VACUUM		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	particulate matter	TSP
500	LINE 15 EXTRUDER (VACUUM VENT)		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	particulate matter	TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
501	LINE 15 POWDER HANDLING (627/710)		
Emission Limit			
0.020	gr/DRY FT3	particulate matter	TSP
0.040	gr/DRY FT3	particulate matter	TSP
520	LINE 15 PELLET/POWDER FEEDER		
Emission Limit			
0.040	gr/DRY FT3	particulate matter	TSP
530	LINE 15 SCREENER (693-02)		
Emission Limit			
0.020	gr/DRY FT3	particulate matter	TSP
0.040	gr/DRY FT3	particulate matter	TSP
540	LINE 15 PELLET FEED (613/614)		
Emission Limit			
0.040	gr/DRY FT3	particulate matter	TSP
550	LINE 15 SILOS (610/612)		
Emission Limit			
0.040	gr/DRY FT3	particulate matter	TSP
690	SPRAY DRYER		
Emission Limit			
8,817.000	Lbs/Yr	12-month rolling basis	NOX
500.000	PPM/PPMV	dry basis	SOX
0.040	gr/DRY FT3	particulate matter	TSP
20.000	Lbs/Hr		VOC
68,900.000	Lbs/Yr	12-month rolling basis	VOC
691B	PACKOUT OPERATION FROM SPRAY DRYER		
Emission Limit			
0.040	gr/DRY FT3	particulate matter	TSP
700	PM-1/PM-2 HOUSE VACCUM (PO2)		
Emission Limit			
0.030	gr/DRY FT3	particulate matter	TSP
0.040	gr/DRY FT3	particulate matter	TSP
723	PM-1 ACRYLIC MOLDING RESIN PROCESS		
Emission Limit			
0.040	gr/DRY FT3	particulate matter	TSP
88.000	Lbs/Yr	Line 15 Extruder (Vacuum Vent)	VOC
112.000	Lbs/Yr	Transfer Piping Fugitive Emission (combined PM-1 & PM-2)	VOC
438.000	Lbs/Yr	Mix Tk Spot Vents (w/ PM2)	VOC

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
526.000	Lbs/Yr	PM-1 Add Tk Spot Vent	VOC
1,275.000	Lbs/Yr	PM-1 Pelletizer	VOC
8,585.000	Lbs/Yr	PM-1 Fugitive Emissions	VOC
15,172.000	Lbs/Yr	PM-1/PM-2 Scrubber	VOC
731A	STANDBY EMERGENCY GENERATORS (2)		
Emission Limit		Pollutant	
2.750	Tons/OZNESEAS		NOX
6.600	Tons/Yr	12-month rolling sum	NOX
100.000	Lbs/Hr		NOX
1,000.000	Lbs/Day		NOX
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3	particulate matter	TSP
740	PM-2 SCREENER (213)		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	particulate matter	TSP
741	PM-1 SCREENERS (213)		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	particulate matter	TSP
750	PM-1 POWDER HANDLING (317/318)		
Emission Limit		Pollutant	
0.024	gr/DRY FT3	particulate matter	TSP
0.040	gr/DRY FT3	particulate matter	TSP
760	PM-2 PRODUCT CYCLONE (215)		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	particulate matter	TSP
770	PM-2 HOLD TANK/BLENDER (872)		
Emission Limit		Pollutant	
0.020	gr/DRY FT3	particulate matter	TSP
0.040	gr/DRY FT3	particulate matter	TSP
800	MISCELLANEOUS VOC SOURCES		
Emission Limit		Pollutant	
10.000	Lbs/Hr	Filter Units (Bldg. 66 and Sweco)	VOC
12.000	Lbs/Hr	Emulsion Tank Truck Loading	VOC
1,064.000	Lbs/Yr	Line 16 Vacuum Exhaust	VOC
1,433.000	Lbs/Yr	Line 16 Die Exhaust	VOC

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
810	ETHYL ACRYLATE STORAGE TANK		
Emission Limit		Pollutant	
2.700	Tons/Yr	12-month rolling sum	VOC
820	BUTYL ACRYLATE STORAGE TANK		
Emission Limit		Pollutant	
2.700	Tons/Yr	12-month rolling sum	VOC
900	PM BLENDER CYCLONE (526)		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	particulate matter	TSP
910	PM BLENDER (535)		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	particulate matter	TSP

Site Emission Restriction Summary

Emission Limit		Pollutant
49.900	Tons/Yr	12 month rolling sum
99.000	Tons/Yr	12 month rolling sum
		VOC
		NOX

**SECTION H. Miscellaneous.**

(a) The following previously issued plan approvals, operating permits and Request For Determinations (RFD) serve as the basis for certain terms and conditions in this Title V Operating Permit No. 09-00122:

- (1) OP-09-313-009 (Fabric Collector)
- (2) OP-09-313-064 (Pellet Molding/Modifier Process)
- (3) OP-09-313-067 (Screener No. 2 - Pellet Molding Powder Process)
- (4) OP-09-313-072 (Fabric Collector)
- (5) OP-09-313-072 (Storage Tanks and Carbon Canister)
- (6) OP-09-313-073 (Pellet Molding Process: 4-fabric filters, etc.)
- (7) OP-09-313-081 (Acrylic Molding Powder)
- (8) OP-09-313-084 (Acrylic Molding Resin Line 15)
- (9) GPA/GP-3 No. 09-302-086 (Small Gas and No. 2 F.O. Combustion Unit)
- (10) GPA/GP-4 No. 09-323-008 (Burn-off Oven)
- (11) RFD No. 5317 (Standby Emergency Generators - Source ID: 731A)
- (12) RFD No. 4862 (EA and BA Storage Tanks - Source ID(s): 810 and 820)
- (13) RFD No. 6330 (Non-portable laboratory equipment including an injection molding machine and a compression molding machine)
- (14) RFD No. 6331 (House vacuum bag filter)
- (15) RFD No. 6362 (equipment used for pellet screening and finished product pellet packaging)

The conditions in this Title V Operating Permit No. 09-00122 supercede the requirements that may exist in any of the above documents.

(b) The data listed in Section A, Site Inventory List, for capacity and fuel/material and the source capacity descriptions and the permit maps in Section D are for descriptive purposes and are not considered as maximum source capacities or design limitations or enforceable conditions. Source limits indicated in the text conditions of Sections D and E and are listed in Section G of this Title V Operating Permit.

(c) The report required in Section C, VIII. Compliance Certification shall be for the period from January 1st through December 31st for the previous year.

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

- (1) Bldg. Vacuum Cleaner (RFD No. 09-A01-1056)
- (2) Powder Rework Station (RFD No. 09-A01-1019)
- (3) Yard Vacuum Cleaner (RFD No. 1009)

(e) The Department has determined that the following sources/equipment are identified in the EPA White Paper as "trivial" or insignificant sources or a miscellaneous sources of emissions :

- (1) Product Storage Tanks
- (2) PM-1/PM-2 Pelletizer Exhausts
- (3) PM-1/PM-2 Additive Tanks Exhausts
- (4) PM-1 Additive Tank Spot Ventilation
- (5) Monomer Mix Tank Spot Ventilation
- (6) PM-1 Product Cyclones (215 w/ 218)
- (7) Bulk Loading Screener Cyclone (563)
- (8) Bulk Loading Screener (574)
- (9) Silo 810 (820)
- (10) Line 15 Rework (652)
- (11) Line 15 Screener Product (270/772)
- (12) Bldg. 66 House Vacuum
- (13) Cooling Tower
- (14) Bristol Site Cold Cleaning Solvent Containers (< 10 sq. ft.)
- (15) Bristol Plant Waste Water Sources pumped to WWTP
- (16) PM-1 Variable Frequency Drive
- (17) Line 15 Additive Feeder
- (18) Modifier Controls Update

**SECTION H. Miscellaneous.**

- (19) Pilot Spray Dryer
- (20) Cooling Tower
- (21) PMLab Hood
- (22) Parts Cleaner
- (23) Blender Cyclone
- (24) Flexible Container System
- (25) Bulk Bag System
- (26) Baghouse 7933-13
- (27) Baghouse/In-line Filter (215)
- (28) Baghouse 563, 574
- (29) Bin Vent Filter (828)
- (30) Line 16 Extruder
- (31) Burn-off Oven (Source 101)
- (32) Line 15 Die (Source 510)
- (33) PM-1 Die (Source 746)

(f) The Title V Operating Permit No. 09-00122 (APS ID: 560660, Auth ID: 756981) has been modified to permit the operation of the Bldg. 66 Scrubber system (Source ID: C03) and PM-1/PM-2 Scrubber system (Source ID: C723) in water conservation modes.

(g) The Title V Operating Permit No. 09-00122 (APS ID: 560660, Auth ID: 785183) has been modified to permit the re-routing of the PM-1 Additive Tanks exhausts to the PM-1/2 Scrubber (Source ID: C723).

(h) The Title V Operating Permit No. 09-00122 (APS ID: 560660, Auth ID: 800908) has been modified for the re-routing and control of emissions from the Line 15 Extruder (Vacuum Vent) (Source ID: 500) to the PM-1/PM-2 Scrubber (Source ID: C723).

(i) The Title V Operating Permit No. 09-00122 (APS ID: 560660, Auth ID: 813583) has been modified to allow the operation of the PM-1/PM-2 process scrubber system (Source ID: C723) to operate in an air and water conservation mode.

(j) April 30, 2010. APS No. 560660; Auth No. 826722: Title V Operating Permit Administrative Amendment.

(k) June 29, 2010, APS ID 560660, AUTH ID 832285: Title V Operating Permit Administrative Amendment to incorporate Plan Approval No. 09-0122C.

(l) The Title V Operating Permit No. 09-00122 (APS ID: 560660, Auth ID: 908864) has been renewed.

(m) The Title V Operating Permit No. 09-00122 (APS ID: 5060660, AUTH ID: 968236) has been modified to incorporate the applicable requirements §40 CFR 63, Subpart DDDDD (Major Source Boiler MACT).

(n) The Title V Operating Permit No. 09-00122 (APS ID: 5060660, AUTH ID: 1029049) has been administratively reopened to revise the monitoring requirement for Source ID: 100 (e.g., Condition #005) and to update the testing condition language for Source ID(s): 100, 117, 500, and 723.

(o) The Title V Operating Permit No. 09-00122 (APS ID: 5060660, AUTH ID: 1157382) has been modified to incorporate a reduction of the site-wide emission limits for NO_x and VOC (e.g., 99.0 tpy and 49.9 tpy, respectively). The revised VOC emission limits will enable the facility to escape RACT II regulations as an minor NO_x/VOC-emitting facility.

(p) The Title V Operating Permit No. 09-00122 (APS ID: 5060660, AUTH ID: 1187957) has been renewed.

(r) The Title V Operating Permit No. 09-00122 (APS ID: 1047016, AUTH ID: 1368269) has been administratively amended for a change of ownership (COO).

(s) The Title V Operating Permit No. 09-00122 (APS ID: 1047016, AUTH ID: 1399806) has been renewed.



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