



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: March 1, 2016 Effective Date: September 16, 2016
Revision Date: September 16, 2016 Expiration Date: February 28, 2021
Revision Type: Transfer

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: 59-00003

Federal Tax Id - Plant Code: 81-0887998-2

Owner Information

Name: LEDVANCE LLC
Mailing Address: 1 JACKSON ST
WELLSBORO, PA 16901-1769

Plant Information

Plant: LEDVANCE LLC/WELLSBORO PLT
Location: 59 Tioga County 59802 Wellsboro Borough
SIC Code: 3229 Manufacturing - Pressed And Blown Glass, Nec

Responsible Official

Name: MATT GONTARZ
Title: PLANT MANAGER
Phone: (570) 724 - 8222

Permit Contact Person

Name: TOM REINDL
Title: SR. ENGINEER
Phone: (570) 724 - 8247

[Signature] _____
MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION

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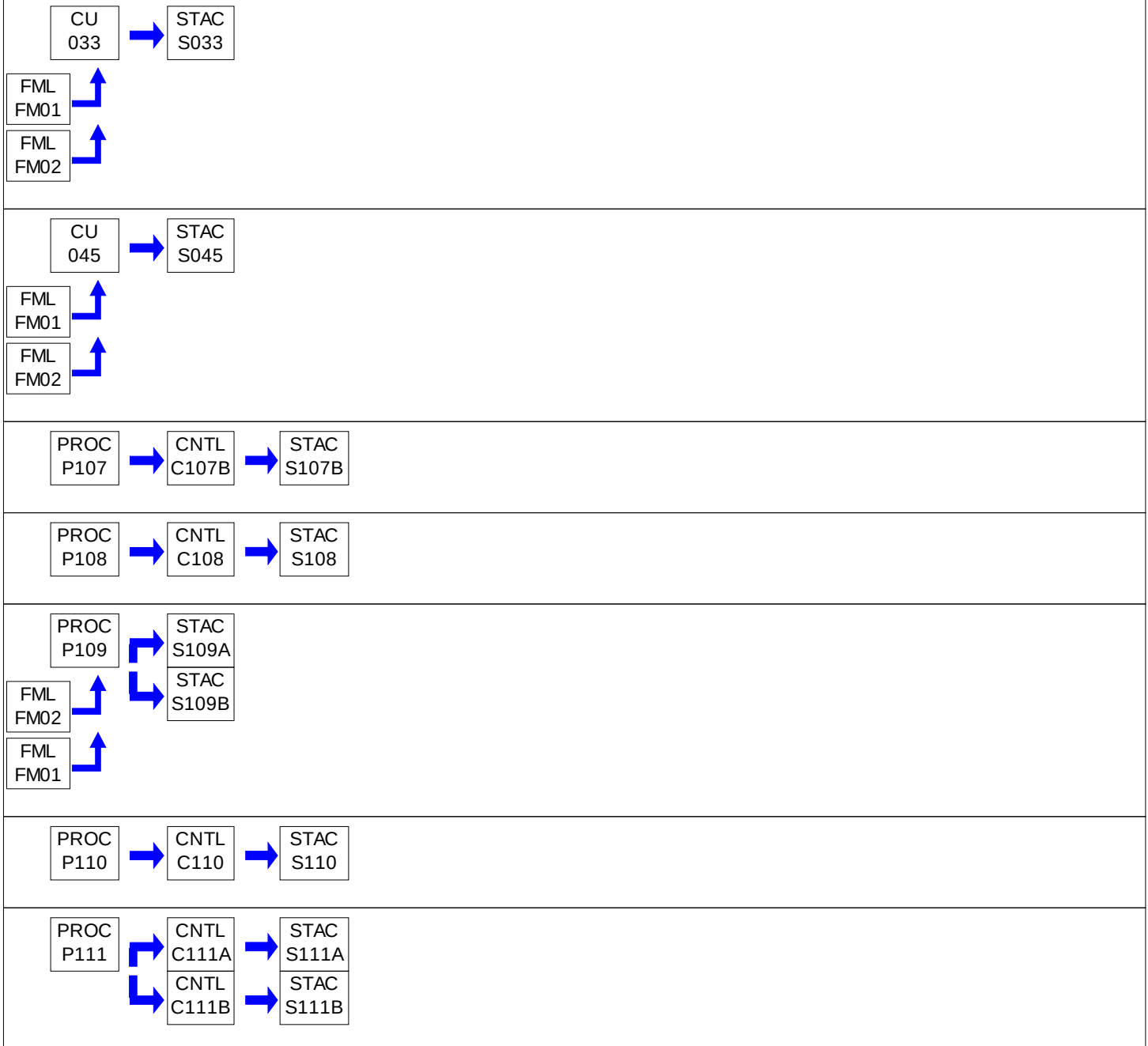
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
033	8 COMBUSTION SOURCES		
045	SUPERIOR BOILER (16.8 MMBTU/HR)	16.800 MMBTU/HR	
P107	GLASS PROPORTIONER AREA		
P108	5 STORAGE SILOS		
P109	REGENERATIVE GLASS FURNACE		
P110	MIX, WEIGH, & CONVEY OPERATIONS		
P111	5 RIBBON MACHINES		
P115	HF RECLAMATION SYSTEM		
P116	LIGHT BULB FROSTING OPS & SOLUTION RECLAIM SYS		
P118	BULB PRESERVATIVE APPLICATION		
P124	3 FOREHEARTHES		
P127	3 LEHRS		
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P129	WASTEWATER OPERATIONS		
P135	RAILCAR UNLOADING OPERATIONS		
C107B	GLASS PROPORTIONER AREA COLLECTOR		
C108	STORAGE SILO FABRIC COLLECTORS		
C110	MIX WEIGH CONVEY FAB COLLECTOR		
C111A	CVM CORP 5-DEST-12 FUME ELIMINATOR		
C111B	CVM CORP 423 FUME ELIMINATOR		
C116	PACKED BED SCRUBBER		
C129B	LIME SILO FABRIC COLLECTOR		
FM01	NATURAL GAS PIPELINE		
FM02	PROPANE		
FM03	#2 FUEL OIL TANKS		
S033	COMBUST SOURCE STACKS/EMISS		
S045	SUPERIOR BOILER STACK		
S107B	GLASS PRO. AREA EXHAUST		
S108	SILO BAGHOUSE STACKS		
S109A	MELT TANK MAIN STACK		
S109B	MELT TANK AUX STACK		
S110	MIX,WEIGH,CONVEY STACK		
S111A	RIBBON MACH STACKS		
S111B	RIBN MACH MIST ELIM STACK		
S115	HF RECLAIM STACK		
S116	FROSTING OPERATIONS STACK		
S128	FIRE PUMP STACK		
S129B	LIME SILO STACK		
Z118	PRESERVATIVE EMISSIONS		
Z124	FOREHEARTHES EMISSIONS		

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z127	LEHRS EMISSIONS		
Z135	RAILCAR UNLOADING EMISS		

PERMIT MAPS



PERMIT MAPS

PROC
P115 → STAC
S115

PROC
P116 → CNTL
C116 → STAC
S116

FML
FM01 →

PROC
P118 → STAC
Z118

PROC
P124 → STAC
Z124

FML
FM02 →

FML
FM01 →

PROC
P127 → STAC
Z127

FML
FM01 →

FML
FM02 →

PROC
P128 → STAC
S128

FML
FM03 →

PROC
P129 → CNTL
C129B → STAC
S129B

FML
FM02 →

FML
FM01 →

PROC
P135 → STAC
Z135

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 § 127.512(c)(4)]

Property Rights

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

#003 [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.

#004 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]

Permit Renewal

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

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

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

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

#005 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]

Transfer of Ownership or Operational Control

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

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

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

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

SECTION B. General Title V Requirements

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

#006 [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.

#007 [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.

#008 [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

#009 [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.

#010 [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.

#011 [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.

#012 [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.

SECTION B. General Title V Requirements

#013 [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).

#014 [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).
- (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.

#015 [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.

#016 [25 Pa. Code §§ 127.704, 127.705 & 127.707]

Fee Payment

- (a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).
- (b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.
- (c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.
- (d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).
- (e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.
- (f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#017 [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

SECTION B. General Title V Requirements

(2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

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

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

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

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

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

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

SECTION B. General Title V Requirements

(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.

#018 [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).

#019 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

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

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

#020 [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)

SECTION B. General Title V Requirements

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

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

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

#021 [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.

#022 [25 Pa. Code §§ 127.511 & Chapter 135]

Recordkeeping Requirements

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

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

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

(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.

SECTION B. General Title V Requirements**#023 [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 #020(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.

#024 [25 Pa. Code § 127.513]**Compliance Certification**

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #020 of this section.

#025 [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)

SECTION B. General Title V Requirements

(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)

#026 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]

Risk Management

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

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

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

(i) Three years after the date on which a regulated substance is first listed under § 68.130; or,

(ii) The date on which a regulated substance is first present above a threshold quantity in a process.

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

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

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

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

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

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

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

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

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

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #24 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

SECTION B. General Title V Requirements**#027 [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.

#028 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]**Permit Shield**

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

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

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

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

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

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

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

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

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

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

(a) No person may permit the emission into the outdoor atmosphere of fugitive air contaminants 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.
- (7) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (i) The emissions are of minor significance with respect to causing air pollution.
 - (ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

No person may permit the emission of fugitive particulate matter into the outdoor atmosphere from a source specified in Condition #001(a)(1) - (a)(7) above if the emissions are visible at the point the emissions pass outside the person's property.

003 [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:

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

004 [25 Pa. Code §123.42]**Exceptions**

The emission limitations of 25 Pa. Code Section 123.41 shall not apply when:

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations;
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions;
- (3) The emission results from sources specified in 25 Pa. Code Section 123.1(a)(1)-(9).

II. TESTING 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 Section 127.511]

SECTION C. Site Level Requirements

The permittee shall perform tests (in accordance with the provisions of 25 Pa. Code Chapter 139) or provide a fuel analysis report of the percent sulfur by weight for each delivery of the #2 and lighter fuel oil delivered to this facility,

OR

The permittee shall provide a fuel analysis report obtained from the fuel oil supplier once a year stating that the sulfur percentage for each shipment of #2 and lighter fuel oil delivered to the facility during the year shall not exceed 0.5% sulfur by weight.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) At least sixty (60) days prior to the performance of the stack testing required by this permit, a test plan shall be submitted to the Department for evaluation. The plan shall contain a description of the proposed test methods and dimensioned drawings or sketches showing the test port locations.

(b) The Department shall be given at least fourteen (14) days advance notice of the scheduled dates for the performance of the stack testing required by this permit.

(c) Within sixty (60) days of the completion of the stack tests required by this permit, two copies of the test report shall be submitted to the Department. This report shall contain the results of the tests, a description of the testing and analytical procedures actually used in performance of the tests, all process and operating data collected during the tests, a copy of all raw data, and a copy of all calculations generated during data analysis.

007 [25 Pa. Code §139.1]

Sampling facilities.

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

008 [25 Pa. Code §139.11]

General requirements.

(a) As specified in 25 Pa. Code Section 139.11(1), 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.

(b) As specified in 25 Pa. Code Section 139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, as a minimum, all of the following:

- (1) A thorough source description, including a description of any air cleaning devices and the flue.
- (2) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature and other conditions which may affect emissions from the process.
- (3) The location of sampling ports.
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage of CO, CO₂, O₂ and N₂), static and barometric pressures.
- (5) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (6) Laboratory procedures and results.

SECTION C. Site Level Requirements

(7) Calculated results.

III. MONITORING REQUIREMENTS.**# 009 [25 Pa. Code §123.43]****Measuring techniques**

Visible air contaminants may be measured using either of the following:

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

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

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

(a) The permittee shall conduct a daily inspection of the facility during daylight hours while the facility is operating to detect visible emissions, visible fugitive emissions and malodorous air emissions.

Daily inspections are necessary to determine:

- (1) the presence of visible emissions,
- (2) the presence of visible fugitive emissions,
- (3) the presence of malodors beyond the boundaries of the facility.
- (b) All detected visible emissions or visible fugitive emissions shall be reported to the manager of the facility.

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

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

The permittee shall keep records of tests or fuel analysis reports of the percent sulfur by weight for each delivery of the #2 and lighter fuel oil delivered to the facility,

OR

The permittee shall keep records of fuel analysis reports obtained yearly from the fuel oil supplier stating that the sulfur percentage for each shipment of #2 and lighter fuel oil delivered to the facility during the year shall not exceed 0.5 % sulfur by weight.

012 [25 Pa. Code §135.5]**Recordkeeping**

The permittee shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with Sections 135.3 and 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

SECTION C. Site Level Requirements

V. REPORTING REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Upon request by the Department, the permittee shall submit all requested reports in accordance with the Department's suggested format.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall submit the annual compliance certifications to the Department and EPA Region III, as specified in Condition #024 of Section B, General Title V Requirements, no later than September 1 (from July of the previous year through June of the current year).

(b) The permittee shall submit the semiannual reports of required monitoring to the Department, as specified in Condition #023 of Section B, General Title V Requirements, no later than September 1 (for January through June) and March 1 (for July through December of the previous year).

015 [25 Pa. Code §127.442]

Reporting requirements.

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

(a) The permittee shall report malfunctions which occur at this facility to the Department. 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 that may result in an increase in the emissions of air contaminants. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(b) Failures that are caused in part by poor maintenance or careless operation shall be reported as excess emissions or deviations from this permit's requirements.

(c) When the malfunction, excess emissions or deviation from this permit's requirements poses an imminent and substantial danger to the public health and safety or the environment, the permittee shall notify the Department by telephone no later than one (1) hour after the incident.

(d) Unless otherwise required by the specific reporting requirements, any malfunction, excess emissions or deviation from this permit's requirements that is not subject to the notice requirements of subsection (c) of this permit condition shall be reported to the Department within 24 hours of discovery. In notifying the Department, the permittee shall describe the following:

- (i) name and location of the facility;
- (ii) nature and cause of the malfunction or breakdown;
- (iii) time when the malfunction or breakdown was first observed;
- (iv) expected duration of excess emissions;
- (v) estimated rate of emissions; and
- (vi) corrective actions or preventative measures taken.

(e) The permittee shall notify the Department immediately when corrective measures have been accomplished.

(f) Upon the request of the Department, the permittee shall submit a full written report to the Regional Air Program Manager within fifteen (15) days of the malfunction, excess emissions or deviations from this permit's requirements.

016 [25 Pa. Code §135.21]

Emission statements

(a) The permittee shall provide the Department with a statement of each stationary source in a form as prescribed by the Department, showing the actual emissions of oxides of nitrogen and volatile organic compounds (VOCs) from the permitted facility for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based.

(b) The annual emission statements are due by March 1 for the preceding calendar year and shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate. The Emission

SECTION C. Site Level Requirements

Statement shall provide data consistent with requirements and guidance developed by the EPA.

(c) The Department may require more frequent submittals if the Department determines that one or more of the following applies:

(1) A more frequent submission is required by the EPA.

(2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the Air Pollution Control Act.

017 [25 Pa. Code §135.3]

Reporting

(a) A person who owns or operates a source to which 25 Pa. Code Chapter 135 applies, and who has previously been advised by the Department to submit a source report, shall submit by March 1 of each year an Annual Air Information Management Systems (AIMS) Emissions report for the preceding calendar year. The report shall include information for all 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.

(b) A person who receives initial notification by the Department that an Annual Air Information Management Systems (AIMS) Emissions report is necessary, shall submit an initial Annual Air Information Management Systems (AIMS) Emissions report within sixty (60) days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.

(c) A source owner or operator may request an extension of time from the Department for the filing of an Annual Air Information Management Systems (AIMS) Emissions report, and the Department may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.

018 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

For any source specified in 25 Pa. Code Section 123.1 subsection(s) (a)(1)-(7) or (a)(9), the permittee shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

(1) 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.

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

(3) Paving and maintenance of roadways.

(4) 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.

VII. ADDITIONAL REQUIREMENTS.

019 [25 Pa. Code §121.7]

Prohibition of air pollution.

No person may permit air pollution as that term is defined in the act (The Air Pollution Control Act (35 P.S. §§ 4001-4015)).

020 [25 Pa. Code §123.31]

Limitations

No person may permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

**SECTION C. Site Level Requirements**

021 [25 Pa. Code §129.14]

Open burning operations

No person may permit the open burning of material at this facility unless in accordance with 25 Pa. Code Section 129.14.

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.

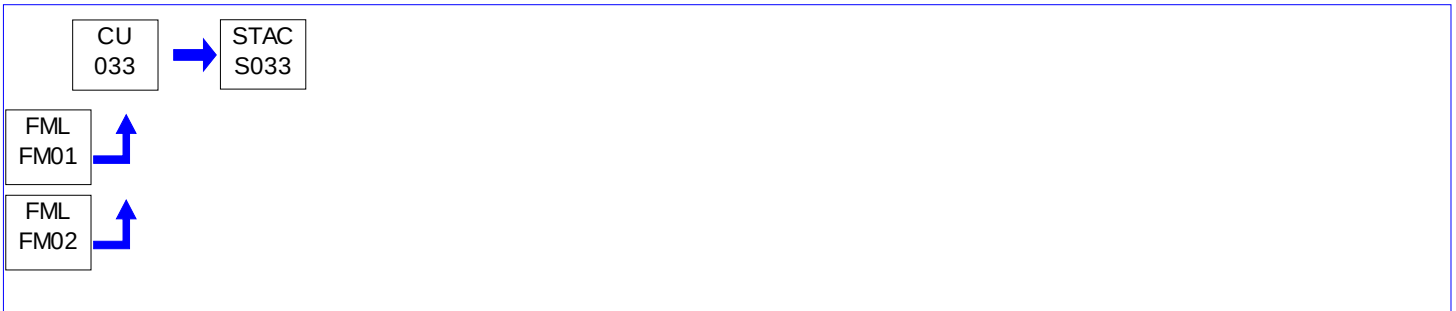
***** Permit Shield In Effect *****

SECTION D. Source Level Requirements

Source ID: 033

Source Name: 8 COMBUSTION SOURCES

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.22]****Combustion units**

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provision in 40 CFR 52.2020(c)]

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from each source of Source ID 033 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period in accordance with 25 Pa. Code Section 123.22(a)(1).

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

Source ID 033 shall be fired only on natural gas or propane.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.95 and 127.511]

The permittee shall keep records of the total combined volume of natural gas and propane burned in each 12 consecutive month period in Source IDs 033 (with the exception of the bulb dryer), P124 and P127. These records shall be retained for a minimum of five (5) years and made available to the Department 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).

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

Source ID 033 shall be maintained and operated in accordance with manufacturer's specifications and good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Source ID 033 consists of the following eight (8) natural gas-fired combustion units:

(1) one (1) APCO model propane vaporizer and associated burn-off flare, 1.656 MMBTU per hour

(2) two (2) Reznor model warehouse dehumidifiers, each 0.4 MMBTU per hour

(3) two (2) Modine model space heaters, each 0.225 MMBTU per hour

(4) one (1) Sterling Enerpak model space heater, 0.225 MMBTU per hour

(5) one (1) Trane model space heater, 0.2 MMBTU per hour

(6) one (1) Maxon bulb dryer, 1.0 MMBTU per hour, associated with Source ID P116

(b) Propane shall be used only as a back-up fuel in each combustion unit of Source ID 033.

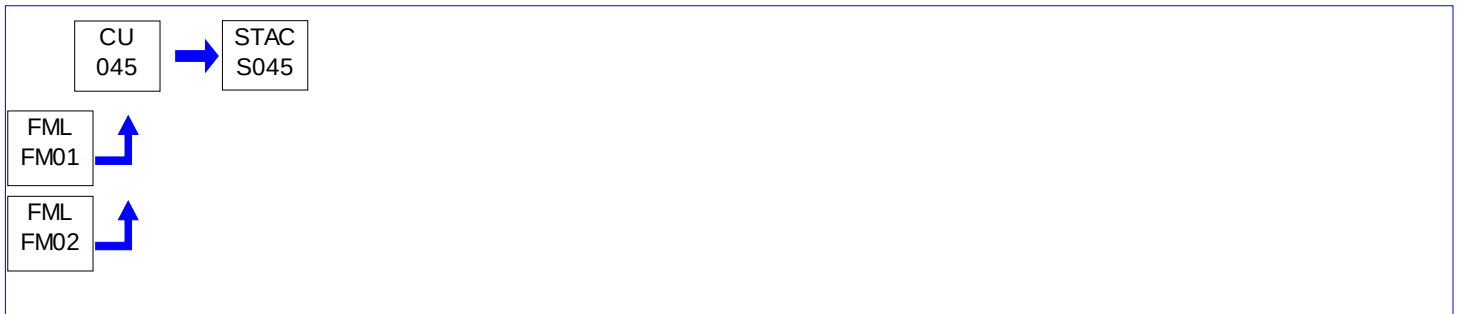
*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 045

Source Name: SUPERIOR BOILER (16.8 MMBTU/HR)

Source Capacity/Throughput: 16.800 MMBTU/HR

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

No person may permit the emission from the exhaust of Source ID 045 into the outdoor atmosphere of particulate matter in the excess of 0.4 pounds per million Btu of heat input

002 [25 Pa. Code §123.22]**Combustion units**

[Compliance with the requirement specified in the streamlined permit condition assures the compliance with the provision in 40 CFR 52.2020(c)]

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from the exhaust of Source ID 045 in excess of the rate of 4 pounds per million Btu of heat input over any one hour period.

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

[Additional authority for this permit condition is also derived from 25 Pa Code Sections 127.1 and 127.12]

(a) The nitrogen oxides (NO_x, expressed as NO₂) concentration contained in the exhaust of Source ID 045 shall not exceed 30 parts per million, dry volume basis, corrected to 3% oxygen.

(b) The carbon monoxide (CO) concentration contained in the exhaust of Source ID 045 shall not exceed 100 parts per million, dry volume basis, corrected to 3% oxygen.

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

Source ID 045 shall only be fired on natural gas or propane. Propane may be used as a backup fuel.

II. TESTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Source ID 045 shall be equipped with a fuel meter to monitor the amount of fuel burned on a daily basis.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12][Compliance with this condition assures compliance with the provisions of 40 CFR Section 60.48c]

The permittee shall keep records of the amount of fuel burned in Source ID 045 on a daily basis. These record shall be retained for a minimum of five years and be presented to the Department upon request.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall keep records of supporting calculations which verify compliance with the particulate matter, sulfur oxides, nitrogen oxides, and carbon monoxide emission limitations. These records shall be retained for a minimum of five years and be presented to the Department upon request.

V. REPORTING REQUIREMENTS.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]

Subpart A - General Provisions

Address.

The submission of all requests, reports, applications, submittals, and other communications required by 40 CFR Sections 60.40c through 60.48c must be made to both the Department of Environmental Protection and the Environmental Protection Agency (EPA). The EPA copies may be sent to:

Office of Air Enforcement and Compliance Assistance 3AP20
Air Protection Division
US EPA Region III
1650 Arch Street
Philadelphia, PA 19103-2029

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.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa Code Sections 127.1 and 127.12]

Source ID 045 is a Superior Boiler Works, Inc., model #MOD-8-5-2000-150-1C-G natural gas/propane fired boiler rated at 16.8 MMBTU/hr. Source ID 045 shall be equipped and operated with a low NOx burner and flue gas recirculation.

010 [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.

Source ID 045 is subject to Subpart Dc of the federal Standards of Performance for New Stationary Sources, 40 CFR Sections 60.40c - 60.48c. The permittee shall comply with all applicable requirements of this subpart.

*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: P107

Source Name: GLASS PROPORTIONER AREA

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission from the exhaust of the fabric collector (ID C107B) associated with Source ID P107 into the outdoor atmosphere of particulate matter in excess of 0.04 grains per dry standard cubic foot.

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 fabric collector shall be equipped with instrumentation which continuously monitors the pressure differential across the collector (ID C107B).

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall keep records of supporting calculations used to verify compliance with the particulate matter emission limitation for Source ID P107. These records shall be retained for a minimum of five (5) years and made available to the Department upon request.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall record the pressure drop across ID C107B at least once per day. These records shall be retained for a minimum of five (5) years and be made available to the Department 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.

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 fabric collector (ID C107B) associated with Source ID P107, in order to be able to immediately replace any bags requiring replacement.

SECTION D. Source Level Requirements

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The air compressor used to supply the compressed air to the fabric collector (ID C107B) shall be equipped with an air dryer and oil trap.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

At no time may any piece of equipment of Source ID P107 be operated without the simultaneous operation of its fabric collector (ID C107B).

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Source ID P107, known as the glass proportioner area, consists of the following equipment:

- 1) One cullet belt conveyer
- 2) One cullet bucket elevator
- 3) One batch incline conveyer
- 4) One cullet hopper
- 5) One raw batch hopper
- 6) One proportioner hopper
- 7) One crossover belt conveyor
- 8) One mixed batch bucket elevator

(b) Source ID P107 feeds a proportion of recycled glass (cullet) and mixed raw materials (obtained from Source ID P110) to Source ID P109.

(c) The air contaminant emissions from Source ID P107 shall be controlled by a Griffin Environmental model JA-90-BG reverse pulse jet fabric collector (Control Device ID C107B).

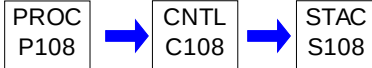
*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: P108

Source Name: 5 STORAGE SILOS

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission from the exhaust of any control device of ID C108 associated with Source ID P108 into the outdoor atmosphere of particulate matter in excess of 0.04 grains per dry standard cubic foot.

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall keep records of supporting calculations to verify compliance with the particulate matter emission limitation for each fabric collector of ID C108 associated with Source ID P108. These records shall be retained for a minimum of five (5) years and made available to the Department 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.

003 [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 fabric collectors identified in Control Device ID C108 in order to be able to immediately replace any bags requiring replacement.

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Source ID P108 consists of five (5) raw material storage silos.

(b) The air contaminant emissions from each storage silo of Source ID P108 shall each be controlled by a DLM V10/10F3 fabric collector (all 5 fabric collectors are collectively included in Control Device ID C108).

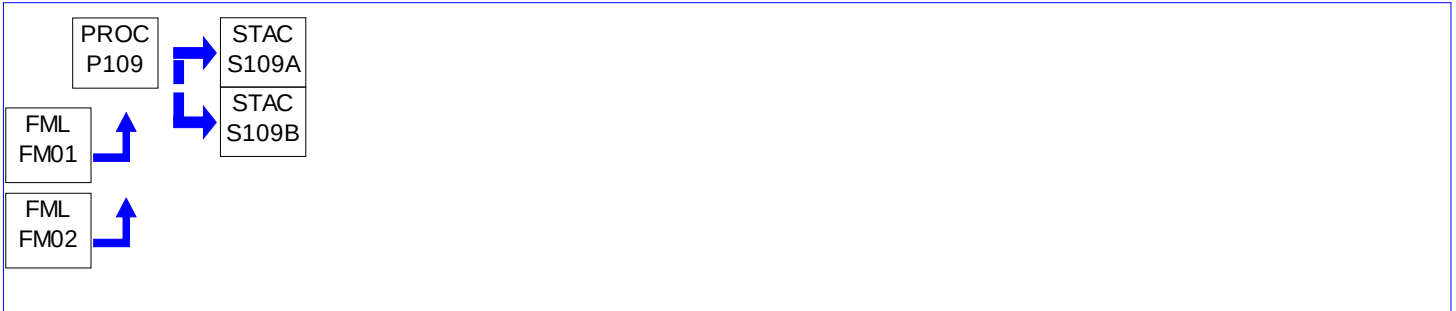
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P109

Source Name: REGENERATIVE GLASS FURNACE

Source Capacity/Throughput:



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 each stack of Source ID P109 at any time in excess of the greater of the following rates:

(1) the rate calculated by the formula below:

$$A = 0.76 \cdot (E^{0.42})$$

Where:

A = allowable emissions in pounds per hour

E = emission index = (F*W) pounds per hour

F = 50 = process factor in pounds per ton for glass production melting furnaces (fill), specified in 25 Pa. Code Section 123.13(b)(1)

W = production or charging rate in tons per hour

(2) the rate of 0.02 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission from Source ID P109 into the outdoor atmosphere in a manner that the concentration of sulfur oxides (SOx), expressed as SO₂, in the effluent gas is in excess of 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 derived from 25 Pa. Code Section 129.91]

The NO_x (expressed as NO₂) emissions from Source ID P109 shall not exceed 375.3 tons in any 12 consecutive month period.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived by 25 Pa. Code Section 129.304]

By January 1, 2012, the owner or operator of a glass melting furnace may not operate the glass melting furnace in a manner that results in NO_x emissions in excess of 7.0 pounds of NO_x per ton of glass pulled for pressed or blown glass furnaces. If the permittee wishes to petition the Department for an alternative emission limitation the must follow the requirements outlined in 25 Pa. Code Section 129.304(c).

SECTION D. Source Level Requirements**Fuel Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID P109 shall only be fired on natural gas or propane. Propane may only be used as a back up fuel.

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

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

(a) The permittee shall perform a nitrogen oxide stack test (consisting of at least three stack test runs) on Source ID P109 prior to December 31, 2019.

(b) The permittee shall also perform a particulate matter emissions test (consisting of at least three test runs) on Source ID P109 prior to December 31, 2019 to verify particulate emissions limitations from Source ID P109.

(c) All testing performed pursuant to this condition shall be performed in accordance with all applicable requirements specified in 25 Pa. Code Chapter 139 and the Testing Requirements specified in Section C of this Title V operating permit.

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

[Additional authority for this operating permit condition is also derived from 25 Pa. Code Section 129.308]

(a) Not later than 14 days prior to the applicable compliance date under Sections 129.304(b) or (c), the owner or operator of a glass melting furnace subject to this section, Sections 129.301, 129.307, 129.309 and 129.310 shall install, operate and maintain continuous emissions monitoring systems (CEMS, as defined in § 121.1 (relating to definitions)) for NO_x and other monitoring systems to convert data to required reporting units in compliance with Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and calculate actual emissions using the CEMS data reported to the Department. The owner or operator of a glass melting furnace may install or operate, or both, an alternate NO_x emissions monitoring system or method, approved in writing by the Department.

(b) Data invalidated under Chapter 139, Subchapter C, shall be substituted with the following if approved in writing by the Department:

(1) The highest valid 1-hour emission value that occurred under similar source operating conditions during the reporting quarter.

(2) If no valid data were collected during the reporting quarter, one of the following shall be reported to the Department:

(i) The highest valid 1-hour emission value that occurred under similar source operating conditions during the most recent quarter for which valid data were collected.

(ii) The highest valid 1-hour emission value that occurred under similar source operating conditions during an alternative reporting period.

(3) An alternative method of data substitution.

(c) Instead of data substitution, the Department may approve an alternative procedure to quantify NO_x emissions and glass production.

(d) The permittee shall submit to the Department or the appropriate approved local air pollution control agencies quarterly reports of CEMS monitoring data in pounds of NO_x emitted per hour, in a format approved by the Department and in compliance with Chapter 139, Subchapter C.

SECTION D. Source Level Requirements

(e) The CEMS or approved monitoring system or method for NO_x installed under this section must meet the minimum data availability requirements in Chapter 139, Subchapter C.

IV. RECORDKEEPING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.511 and 129.95]

The permittee shall maintain comprehensive and accurate records of the total tons of glass processed per month in Source ID P109. These records shall be retained for a minimum of five (5) years and made available to the Department upon request.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) The permittee shall keep records of the following operating parameters for Source ID P109:

- (1) Supporting calculations to verify compliance with the particulate matter and sulfur oxides emission limitations
- (2) Supporting calculations to verify compliance with the 12 consecutive month period NO_x emission limitation
- (3) stack test reports

(b) These records shall be retained for a minimum of five (5) years and made available to the Department upon request.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this operating permit condition is also derived from 25 Pa. Code Section 129.310]

(a) The owner or operator of a glass melting furnace subject to this section and Sections 129.301, 129.309 shall maintain records to demonstrate compliance. The records must include an operating log maintained for each glass melting furnace that includes, on a daily basis:

- (1) The total hours of operation.
- (2) The type and quantity of fuel used.
- (3) The quantity of glass pulled.

(b) The permittee shall maintain records of:

- (1) Source tests and operating parameters established during the initial source test.
- (2) Maintenance, repairs, malfunctions, idling, start-up and shutdown.

(c) The records required under this section shall be maintained onsite for 5 years. The records shall be made available or submitted to the Department or appropriate approved local air pollution control agency upon request.

V. REPORTING REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

SECTION D. Source Level Requirements

The permittee shall submit to the Department on a semi-annual basis records of NO_x emission calculations used to verify compliance with the 12 consecutive month NO_x emission limitation for Source ID P109. Semi-annual reports shall be submitted to the Department by September 1 for the preceding period January to June and March 1 for the preceding period July to December.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this operating permit condition is also derived from 25 Pa. Code Section 129.309]

The owner or operator of a glass melting furnace shall calculate and report to the Department on a quarterly basis, no later than 30 days after the end of the quarter, the CEMS data and glass production data used to show compliance with the allowable NO_x emission limitation specified in Section 129.304 (relating to emission requirements). The glass production data must consist of the quantity of glass, in tons, pulled per day for each furnace.

(b) The permittee shall demonstrate compliance with the emission requirements of Section 129.304(a) using one of the following methods:

(1) On a furnace-by-furnace basis.

(2) Facility-wide emissions averaging.

(3) System-wide emissions averaging among glass melting furnaces under common control of the same owner or operator in this Commonwealth.

(c) The owner or operator of a glass melting furnace for which the Department has granted approval to voluntarily opt into a market-based program may not demonstrate compliance on an emissions averaging basis under subsection (b). An emission reduction obtained by emissions averaging to demonstrate compliance with the emission requirements of Section 129.304(a) will not be considered surplus for emission reduction credit purposes. The permittee shall demonstrate compliance with the emission requirements of Section 129.304(a) in accordance with subsection (d).

(d) Compliance with the emission requirements of Section 129.304(a) shall be determined on a 30-day rolling average basis.

VI. WORK PRACTICE REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall operate the combustion ratio control system associated with Source ID P109 so as to maintain optimum combustion conditions within the furnace. Additionally, the permittee shall continue its maintenance, repair and upgrade program for Source ID P109 as described in Section B4 of the application submitted for RACT Operating Permit OP-59-0007. Source ID P109 shall also be operated in accordance with good air pollution control practices.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this operating permit condition is also derived from 25 Pa. Code Sections 129.306 and 129.307]

(a) The duration of a glass melting furnace shutdown, as measured from the time the furnace operations drop below 25% of the permitted production capacity or fuel use capacity to when all emissions from the furnace cease, may not exceed 20 days.

(b) The owner or operator of a glass melting furnace shall operate the emission control system whenever technologically feasible, as approved by the Department or appropriate approved local air pollution control agency, during shutdown to minimize emissions.

SECTION D. Source Level Requirements

(c) The owner or operator of a glass melting furnace shall operate the emission control system whenever technologically feasible, as approved by the Department during idling to minimize emissions.

(d) The NO_x emissions during idling may not exceed the amount calculated using the following equation:

Pounds per day emission limit of NO_x = (Applicable NO_x emission limit specified in Section 129.304(a) (relating to emission requirements) expressed in pounds per ton of glass produced) x (Furnace permitted production capacity in tons of glass produced per day).

VII. ADDITIONAL REQUIREMENTS.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P109 is a custom-made 89.5 MMBTU per hour natural gas-fired regenerative glass furnace (identified as Melt Tank 42). Source ID P109 shall be equipped with Brightfire Burner model BRT11G LoNox burners.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P109 is subject to the requirements of 25 Pa. Code Sections 129.301 - 129.310. The permittee shall comply with all applicable requirements of these sections.

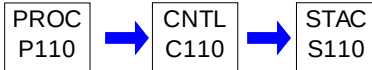
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P110

Source Name: MIX, WEIGH, & CONVEY OPERATIONS

Source Capacity/Throughput:

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

No person may permit the emission into the outdoor atmosphere from the exhaust of control device ID C110 associated with Source ID P110 particulate matter in excess of 0.04 grains per dry standard cubic foot.

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

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

The permittee shall keep records of supporting calculations to verify compliance with the particulate matter emission limitation for Source ID P110. These records shall be retained on for a minimum of five (5) years and made available to the Department 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.**# 003 [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 fabric collector (ID C110) associated with Source ID P110 in order to be able to immediately replace any bags requiring replacement.

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

Source ID P110 is a process whereby raw glass materials obtained from the raw material storage silos (included in Source ID P108) are mixed, weighed and conveyed to the glass proportioner area (Source ID P107) prior to introduction to the regenerative glass furnace (Source ID P109). The air contaminant emissions from Source ID P110 shall be controlled by a DCE Vokes model DLM 1/4/10 reverse air jet fabric collector (Control Device ID C110).

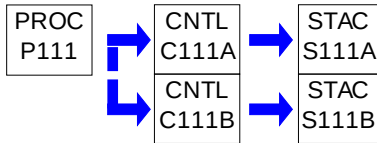
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P111

Source Name: 5 RIBBON MACHINES

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere from the exhausts associated with Source ID P110 of particulate matter in excess of 0.04 grains per dry standard cubic foot.

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall keep records of the supporting calculations used to verify compliance with the particulate matter emission limitation for Source ID P111. These records shall be retained for a minimum of five (5) years and made available to the Department 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.

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.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

At any time ribbon machine #9 is operating, ribbon machine S1 may not be operated. At any time ribbon machine S1 is operating, ribbon machine #9 may not be operated.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Source ID P111 consists of five (5) glass ribbon machines, identified as S1, S2, #9, #12 and #16, that shape the molten

SECTION D. Source Level Requirements

glass leaving Source ID P124 into glass envelopes for light bulbs. Glass ribbon machines #12 and #16 of Source ID P111 operate interchangeably. Glass ribbon machines #9 and S1 of Source ID P111 operate interchangeably.

(b) The air contaminant emissions from ribbon machines S1 and S2 of Source ID P111 are controlled by a CVM Corporation model 5-DEST-12 fume eliminator (Control Device ID C111A).

(c) The air contaminant emissions from ribbon machines #12 and #16 of Source ID P111 are controlled by a 423 CVM fume eliminator (Control Device ID C111B).

(d) The air contaminant emissions from ribbon machine #9 of Source ID P111 shall be controlled by the CVM Corporation model 5-DEST-12 fume eliminator (Control Device ID C111A). Ribbon machine #9 may not be operated if ID C111A is not operating.

(d) When operating ribbon machines S1, S2, #12 or #16, operation of Control Device IDs C111A and C111B may be temporarily or permanently discontinued at any time at the permittee's discretion without the necessity of notifying the Department. Any such discontinuation of the use of Control Device IDs C111A and C111B shall not be considered by the Department as a violation of this operating permit or 25 Pa. Code Section 127.444. This condition does not apply to ribbon machine #9.

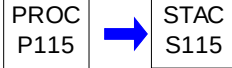
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P115

Source Name: HF RECLAMATION SYSTEM

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission from Source ID P115 into the outdoor atmosphere of particulate matter in excess of 0.04 grains per dry standard cubic foot.

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall keep records of calculations to verify compliance with the particulate matter emission limitation for Source ID P115. These records shall be retained on file for a minimum of five (5) years and made available to the Department 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.

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.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P115 is a system that recycles and reconstitutes used hydrofluoric acid used in the HF frosting operations (Source ID P116).

*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: P116

Source Name: LIGHT BULB FROSTING OPS & SOLUTION RECLAIM SYS

Source Capacity/Throughput:

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

No person may permit the emission from the exhaust of control device ID C116 associated with Source ID P116 into the outdoor atmosphere of particulate matter in excess of 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from the exhaust of control device ID C116 associated with Source ID P116 in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, on a 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 Sections 127.1 and 127.12]

The hydrogen fluoride emissions from the exhaust of ID C116 associated with Source ID P116 shall not exceed 0.75 pounds per hour or 3.27 tons in any 12 consecutive month period.

Control Device Efficiencies 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 Sections 127.1 and 127.12]

ID C116 shall achieve a hydrogen fluoride removal efficiency of no less than 99.0% at all times hydrogen fluoride is being ducted to it.

II. TESTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Control device ID C116 shall be equipped with an alarm system that shall trigger an alarm at any time the scrubbing solution flow rate drops below 300 gallons per minute.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

SECTION D. Source Level Requirements

Control device ID C116 shall be equipped with instrumentation to continuously monitor the following operating parameters:

- (a) recirculating scrubbing solution flow rate
- (b) scrubbing solution pH
- (c) sump liquid level for the sump associated with the scrubber
- (d) the differential pressure across the following sections of the scrubber [1] the packed bed, [2] the associated chevron blade mist eliminator, and [3] the associated mesh pad mist eliminator.
- (e) the differential pressure across the entire packed bed scrubber.
- (f) the pressure within each packed bed scrubbing solution spray nozzle header.

007 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.3] Sections of PART 64 Monitoring design criteria

[Additional authority for this permit requirement is also derived from 40 CFR Part 64 Section 64.6]

- (a) The permittee shall use the recirculation flow rate and the pH of the scrubbing solution as indicators to obtain data and monitor control device IDs C116 performance.
- (b) The permittee shall use a flow meter and a pH meter to measure the indicators on a continuous basis
- (c) The permittee shall use hourly block average (at least one measurement per minute) readings to determine an excursion for the flow rate indicator.
- (d) The permittee shall use 20 minute block average (at least one measurement per minute) readings to determine an excursion for the pH indicator.

IV. RECORDKEEPING REQUIREMENTS.

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

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

The permittee shall keep record of calculations to verify compliance with the particulate and sulfur oxide emission limitations of 25 Pa. Code Sections 123.13 and 123.21 respectively. These records shall be retained on file for a minimum of five (5) years and shall be made available to the Department upon request.

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

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

- (1) The permittee shall record the following parameters at least once per operating shift:
 - (a) the total differential pressure across the entire scrubber (ID C116)
 - (b) the differential pressure across the scrubber packed bed, associated chevron blade mist eliminator, and associated mesh pad mist eliminator
 - (c) pressure of each scrubbing solution packed bed spray nozzle header
 - (d) the scrubbing solution sump liquid level

SECTION D. Source Level Requirements

(2) These records shall be retained on file for a minimum of five (5) years and be shall be made available to the Department upon request.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) The scrubber solution flow rate and the pH of scrubbing solution shall be monitored and recorded on a continuous basis.

(b) The permittee shall keep records of the scrubbing solution recirculation rate in gallons per minute as block hourly average values calculated from at least one measured value per minute.

(c) The permittee shall keep records of scrubbing solution pH as block 20 minute averages calculated from at least one measured pH value per minute.

(d) These records shall be retained on file for a minimum of five (5) years and shall be made available to the Department upon request.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall perform hydrogen fluoride emission calculations from Source ID P116 on a monthly basis and have supporting calculations which verify compliance with the HF emission limitation in any 12 consecutive month period. These records shall be retained on file for a minimum of five (5) years and be shall be made available to the Department upon request.

012 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]

Sections of PART 64

Reporting and recordkeeping requirements

(a) The permittee shall record the pH of the scrubbing solution and recirculation flow rate of the scrubber on a continuous basis using the continuous parameter monitoring system approved in plan approval 59-00003A.

(b) The permittee shall record all excursions of the pH and flow rate and the corrective action taken in response to the excursion and the time elapsed until corrective actions have been taken.

(c) The permittee shall record all inspections, repair and maintenance performed on the flow meter and pH meter associated with control device ID C116.

(d) The permittee shall maintain records of all monitoring downtime incidents (other than those associated with zero and span or other calibration checks). The permittee shall record the dates, times, and durations, possible concerns and corrective actions taken for the incidents.

(e) These records shall be retained for a minimum of five years and shall be presented to the Department upon request.

V. REPORTING 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 Section 127.511]

The permittee shall submit an annual report to the Department due every March 1 (for the period January 1 - December 31 of the previous year) containing the hydrogen fluoride emissions from Source ID P116 each month from the previous 12 consecutive month period and the corresponding 12 month rolling totals for the previous 12 months.

SECTION D. Source Level Requirements

014 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]

Sections of PART 64

Reporting and recordkeeping requirements

[Additional authority for this permit condition is also derived from 40 CFR Part 70 Section 70.6(a)(3)(iii)]

(a) The permittee shall report all excursions and corrective actions taken, their dates, times, durations, and possible causes on a semi annual basis.

(b) The permittee shall report all monitoring downtime incidents (other than those associated with zero and span or other calibration checks) their dates, times, durations, and possible causes on a semi annual basis.

(c) These reports shall be submitted to the Department no later than March 1 and September 1 each year.

VI. WORK PRACTICE REQUIREMENTS.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Any marked increase in pressure within any nozzle header, or marked increase in differential pressure across the entire scrubber (ID C116), the scrubber packed bed, the chevron blade mist eliminator or the mesh pad mist eliminator (as compared to baseline pressure or differential pressure measurements taken since startup of the scrubber) shall be immediately investigated and remedied by repairing or cleaning scrubber parts as needed.

016 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]

Sections of PART 64

Approval of monitoring

[Additional authority for this permit requirement is also derived from 40 CFR Part 64 Section 64.3]

(a) The permittee shall adhere to having a recirculating flow rate of at least 300 gallons and have a scrubbing solution pH level of at least 7.0 so a reasonable assurance of compliance exists when Source ID P116 is operating. A deviation from the operating ranges listed above shall be defined as an excursion.

(b) The permittee shall maintain all monitoring equipment and stock parts necessary for routine repairs onsite.

(c) The permittee shall ensure at least 90% of the monitoring data has been properly and accurately collected.

VII. ADDITIONAL REQUIREMENTS.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Source ID P116 consists of two batch hydrofluoric acid glass etching process lines (identified as Line A and Line B) which include natural gas fired bulb dryers and a frosting solution reclaim system. The air contaminant emissions from Source ID P116 shall be controlled by a Mapco model #MW-300-55-8-SC packed bed scrubber (ID C116).

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The hydrogen fluoride emissions from Source ID P116 shall be captured at an efficiency of no less than 100% and ducted to the Mapco packed bed scrubber (ID C116). Additionally, the ventilation system shall be equipped with a standby fan capable of achieving a hydrogen fluoride capture efficiency of no less than 100% from Source ID P116 to be ducted to the inlet of the scrubber.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

SECTION D. Source Level Requirements

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Control device ID C116 shall have the following characteristics:

- (a) a packed bed having a minimum packing height of 8'0".
- (b) turning vanes or an extended inlet duct with an elbow to aid in the uniform distribution of gases within the scrubber (ID C116).
- (c) a scrubbing solution flow rate of no less than 300 gallons per minute when the scrubber (ID C116) is operating.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

ID C116 shall utilize a caustic scrubbing solution which shall be maintained at a pH of no less than 7.0 at all times ID C116 is operating.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The scrubber solution recirculating system shall be equipped with a standby pump capable of taking over immediate service should a pump associated with the scrubbing solution recirculation system malfunction. The standby pump shall have a capacity equal to or greater than each of the pumps normally employed in the scrubbing solution recirculation system.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The two frosting lines (Line A and Line B) of Source ID P116 shall not be operated simultaneously.

023 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.2] Sections of PART 64 Applicability

Source ID P116 is subject to 40 CFR Part 64 (Compliance Assurance Monitoring (CAM)). The permittee shall comply with all the applicable requirements specified in 40 CFR Part 64 Sections 64.1 through 64.10.

024 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.8] Sections of PART 64 Quality improvement plan (QIP) requirements

(1) The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occur

- a. 5% of the readings during any six month monitoring period are excursions, and
- b. the Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(2) In general, the QIP plan should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvement contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(3) The permittee shall record actions taken to implement a QIP during a reporting period and all related actions including but not limited to inspections, repairs and maintenance performed on the monitoring equipment.

SECTION D. Source Level Requirements

(4) The QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department,, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- a. improved preventative maintenance
- b. process operation change
- c. appropriate improvements to control methods, and
- d. other steps appropriate to correct performance

(5) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- a. address the cause of the control device performance problem, or
- b. provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(6) Implementation of a QIP, shall not excuse the permittee from compliance with an existing emission limitation or standard or any existing monitoring, testing, reporting, or recordkeeping requirement that may apply under any federal, state or local laws or any other applicable requirements under the Clean Air Act.

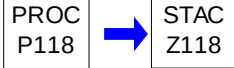
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P118

Source Name: BULB PRESERVATIVE APPLICATION

Source Capacity/Throughput:



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use only difluoroethane in Source ID P118.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P118 is a process whereby a bulb preservative (difluoroethane) is sprayed on glass bulb surfaces.

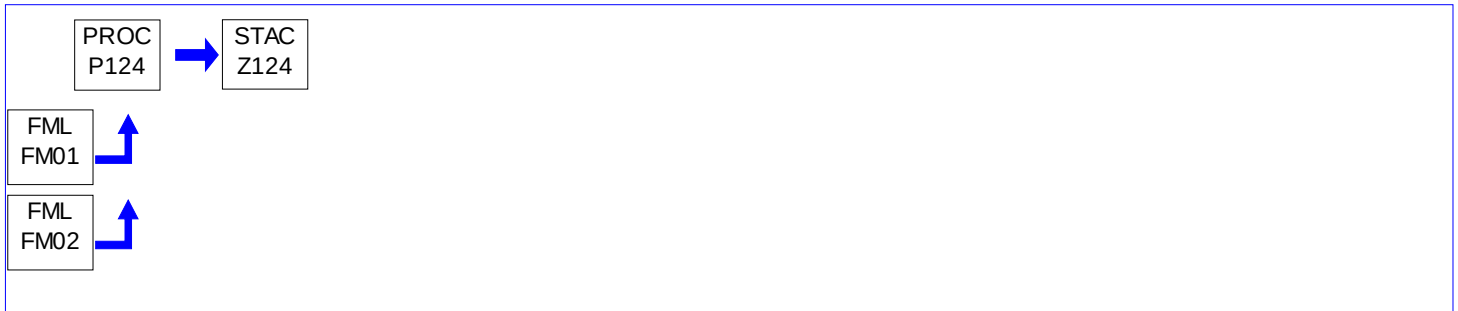
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P124

Source Name: 3 FOREHEARTHS

Source Capacity/Throughput:

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

No person may permit the emission from Source ID P124 into the outdoor atmosphere of particulate matter in excess of 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission from Source ID P124 into the outdoor atmosphere in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas is in excess of 500 parts per million, by volume, dry basis.

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

Source ID P124 shall be fired only on natural gas or propane. Propane shall only be used as a backup fuel.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.95 and 127.511]

The permittee shall keep records of the total combined volume of natural gas and propane burned in each 12 consecutive month period in Source IDs 033 (with the exception of the bulb dryer), P124 and P127. These records shall be retained for a minimum of five (5) years and made available to the Department 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).

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

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

Source ID P124 shall be maintained and operated in accordance with manufacturer's specifications and good air pollution control practices.

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

Source ID P124 consists of three (3) natural gas-fired forehearths, referred to as Tank 42 Forehearths 421, 422, and 423. Source ID P124 performs final thermal conditioning on the molten glass leaving Source ID P109 before the glass is sent to Source ID P111. Each forehearth of Source ID P124 has a maximum rated heat input of 5.0 MMBTU per hour.

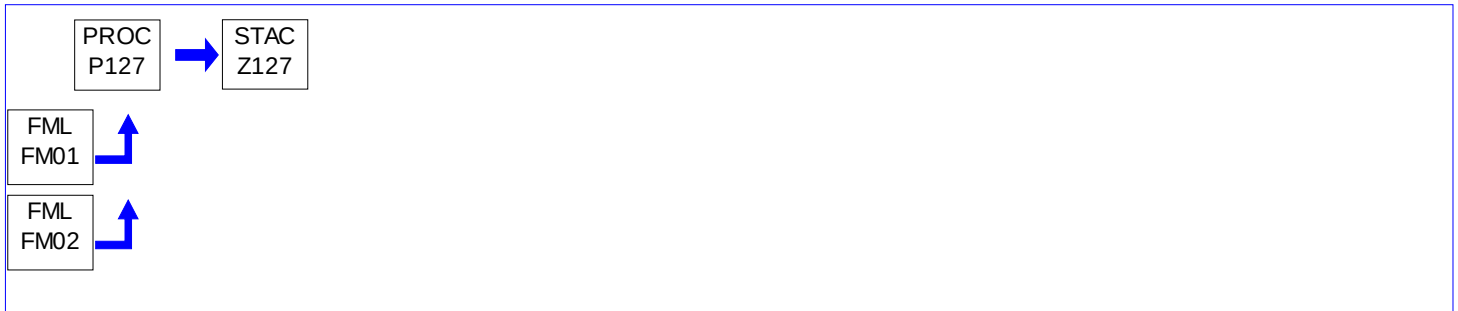
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P127

Source Name: 3 LEHRS

Source Capacity/Throughput:

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

No person may permit the emission from Source ID P127 into the outdoor atmosphere of particulate matter in excess of 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission from Source ID P127 into the outdoor atmosphere in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas is in excess of 500 parts per million, by volume, dry basis.

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

Source ID P127 shall be fired only on natural gas or propane. Propane shall only be used as a backup fuel.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.95 and 127.511]

The permittee shall keep records of the total combined volume of natural gas and propane burned in each 12 consecutive month period in Source IDs 033 (with the exception of the bulb dryer), P124 and P127. These records shall be retained for a minimum of five (5) years and made available to the Department 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).

SECTION D. Source Level 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 Section 129.93]

Source ID P127 shall be maintained and operated in accordance with manufacturer's specifications and good air pollution control practices.

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

Source ID P127 is a group of three (3) natural gas-fired lehrs which apply final processing to the formed glass envelopes leaving Source ID. P111. Source ID P127 consists of three (3) Tank 42 Lehrs (421, 422, 423) - perform annealing by heat-treating and slowly cooling the glass bulbs under controlled conditions. These three lehrs are made by Surface Combustion/Bowman, model numbers 8-2093, 11-3855 and 11-3451 and have a combined maximum rated heat input of 10.8 MMBTU per hour.

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

SECTION D. Source Level Requirements

Source ID: P128

Source Name: FIRE PUMP

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission from Source ID P128 into the outdoor atmosphere of particulate matter in excess of 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission from Source ID P128 into the outdoor atmosphere in a manner that the concentration of sulfur oxides (SO_x), expressed as SO₂, in the effluent gas is in excess of 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P128 shall be fired only on #2 fuel oil having a sulfur content equal to or less than 0.5% by weight.

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not operate Source ID P128 more than 500 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) The permittee shall keep records of the following operating parameters for Source ID P128:

(1) the number of hours Source ID P128 is operated per month.

(2) supporting calculations to verify compliance with the particulate and sulfur oxides emissions limitations.

(b) These records shall be retained for a minimum of five (5) years and made available to the Department upon request.

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

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

The permittee shall report on an annual basis the hours of operation of Source ID P128. Annual reports shall be submitted to the Department by March 1 for the preceding period January to December.

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

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

Source ID P128 shall be maintained and operated in accordance with manufacturer's specifications and good air pollution control practices.

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

Source ID P128 is one (1) Detroit Diesel model #517519, #2 fuel oil-fired emergency fire pump having a rated power output of 134 HP.

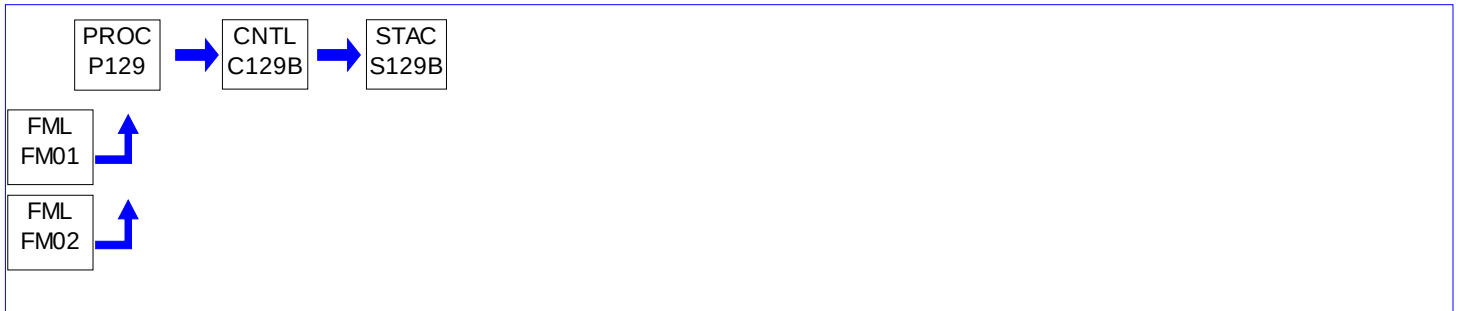
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P129

Source Name: WASTEWATER OPERATIONS

Source Capacity/Throughput:

**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 the exhaust of control device ID C129B associated with Source ID P129 in a manner that the concentration in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) The total ammonia emissions from the entire wastewater treatment plant shall not exceed 6.10 tons in any 12 consecutive month period.

(b) The total ammonia emissions from the two (2) lime mixers and belt filter press of Source ID P129 shall not exceed 3.01 tons in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

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

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

(a) The permittee shall perform ammonia emission calculations on a monthly basis to verify compliance with the ammonia emission limitation for the entire wastewater treatment plant and the filter press/lime mixer associated with Source ID P129. These calculations shall contain the emissions for each calendar month and the corresponding 12 month rolling total.

(b) These records shall also include examples explaining all methods, procedures, etc. used to perform the emission calculations.

(c) These records shall be retained on file for a minimum of five (5) years and be made available to the Department upon request.

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.

004 [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 control device ID C129B in order to be able to immediately replace any bags requiring replacement.

VII. ADDITIONAL 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 Sections 127.1 and 127.12]

(a) Source ID P129 is the wastewater treatment operations consisting of the following:

- (1) Wastewater treatment plant
- (2) Two lime mixers
- (3) One belt filter press
- (4) One (1) lime storage silo.

(b) The air contaminant emissions from the lime storage silo of Source ID P129 shall be controlled by a Clean Air Management Co., Inc. Camcorp model 4TR6X20 bin vent pulse-jet dust collector (ID C129B).

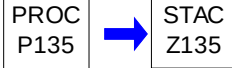
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P135

Source Name: RAILCAR UNLOADING OPERATIONS

Source Capacity/Throughput:



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P135 is a railcar unloading operation associated with the transfer of raw materials from railcars and trucks to storage silos at the facility.

*** Permit Shield in Effect. ***



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION F. Emission Restriction Summary.

Source Id	Source Description		
033	8 COMBUSTION SOURCES		
Emission Limit		Pollutant	
4.000	Lbs/MMBTU	SOX	
045	SUPERIOR BOILER (16.8 MMBTU/HR)		
Emission Limit		Pollutant	
100.000	PPMV	corrected to 3% oxygen	CO
30.000	PPMV	corrected to 3% oxygen	NOX
4.000	Lbs/MMBTU	over any 1-hour period	SOX
0.400	Lbs/MMBTU	TSP	
P107	GLASS PROPORTIONER AREA		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	TSP	
P108	5 STORAGE SILOS		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	each exhaust	TSP
P109	REGENERATIVE GLASS FURNACE		
Emission Limit		Pollutant	
375.300	Tons/Yr	12 CMP	NOX
0.020	gr/DRY FT3	or 123.13(b)(2) see prmt	TSP
P110	MIX, WEIGH, & CONVEY OPERATIONS		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	TSP	
P111	5 RIBBON MACHINES		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	each stack	TSP
P115	HF RECLAMATION SYSTEM		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	TSP	
P116	LIGHT BULB FROSTING OPS & SOLUTION RECLAIM SYS		
Emission Limit		Pollutant	
0.750	Lbs/Hr	Hydrogen Fluoride	
3.270	Tons/Yr	in any 12 CMP	Hydrogen Fluoride
500.000	PPMV	SOX	
0.040	gr/DRY FT3	TSP	

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description		
P128	FIRE PUMP		
Emission Limit		Pollutant	
500.000	PPMV	SOX	
0.040	gr/DRY FT3	TSP	
P129	WASTEWATER OPERATIONS		
Emission Limit		Pollutant	
3.010	Tons/Yr	lime mixers/filter press (12 CMP)	Ammonia (Anhydrous)
6.100	Tons/Yr	Entire wastewater treatment plant	Ammonia (Anhydrous)
0.040	gr/DRY FT3	TSP	

Site Emission Restriction Summary

Emission Limit	Pollutant
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**SECTION G. Miscellaneous.**

The following air contaminant sources are considered to be insignificant in regards to air contaminant emissions and have been determined by the Department to be exempt from permitting requirements. However, this determination does not exempt the sources from compliance with all applicable State and Federal regulations and all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

- (1) one above-ground chrome acid storage tank - 3,000 gallons
- (2) one above-ground sulfuric acid storage tank - 4,000 gallons
- (3) one above-ground hydrogen fluoride storage tank - 5,900 gallons
- (4) one above-ground aqueous ammonia storage tank - 5,000 gallons
- (5) one above-ground gasoline storage tank - 250 gallons
- (6) one above-ground kerosene storage tank - 250 gallons
- (7) two above-ground diesel storage tanks - 250 gallons each
- (8) one above-ground deionized water storage tank - 10,000 gallons
- (9) one retention pond (cooling water) - 73,000 gallons
- (10) one above-ground 30,000 gallon propane storage tank
- (11) three (3) Safety-Kleen parts washers - 4.2 sq. ft. surface area each. These parts washers are subject to 25 Pa. Code Section 129.63(a). The permittee shall comply with all applicable requirements as specified in 25 Pa. Code Section 129.63(a).
- (12) Molding operations & adhesive spray booth - installed prior to 1972; potential emissions estimated to be 2.04 tons VOC per year
- (13) three (3) chip suckers installed prior to 1972; potential emissions estimated to be 0.06 tons PM (including PM-10) per year
- (14) Aluminum base manufacturing process



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