



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: October 1, 2013 Effective Date: April 30, 2014
Revision Date: April 30, 2014 Expiration Date: September 30, 2018
Revision Type: Modification

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: 42-00009

Federal Tax Id - Plant Code: 25-0729265-1

Owner Information

Name: PGH CORNING CORPORATION
Mailing Address: 701 N MAIN ST
PORT ALLEGANY, PA 16743

Plant Information

Plant: PGH CORNING CORP/PORT ALLEGANY
Location: 42 McKean County 42803 Port Allegany Borough
SIC Code: 3229 Manufacturing - Pressed And Blown Glass, Nec

Responsible Official

Name: ROBERT G LEHMAN
Title: PLANT MANAGER
Phone: (814) 642 - 2552

Permit Contact Person

Name: HARRY A FLEMING
Title: ENGINEERING MANAGER
Phone: (814) 642 - 5204

[Signature] _____
JOHN F. GUTH, NORTHWEST REGION AIR PROGRAM MANAGER

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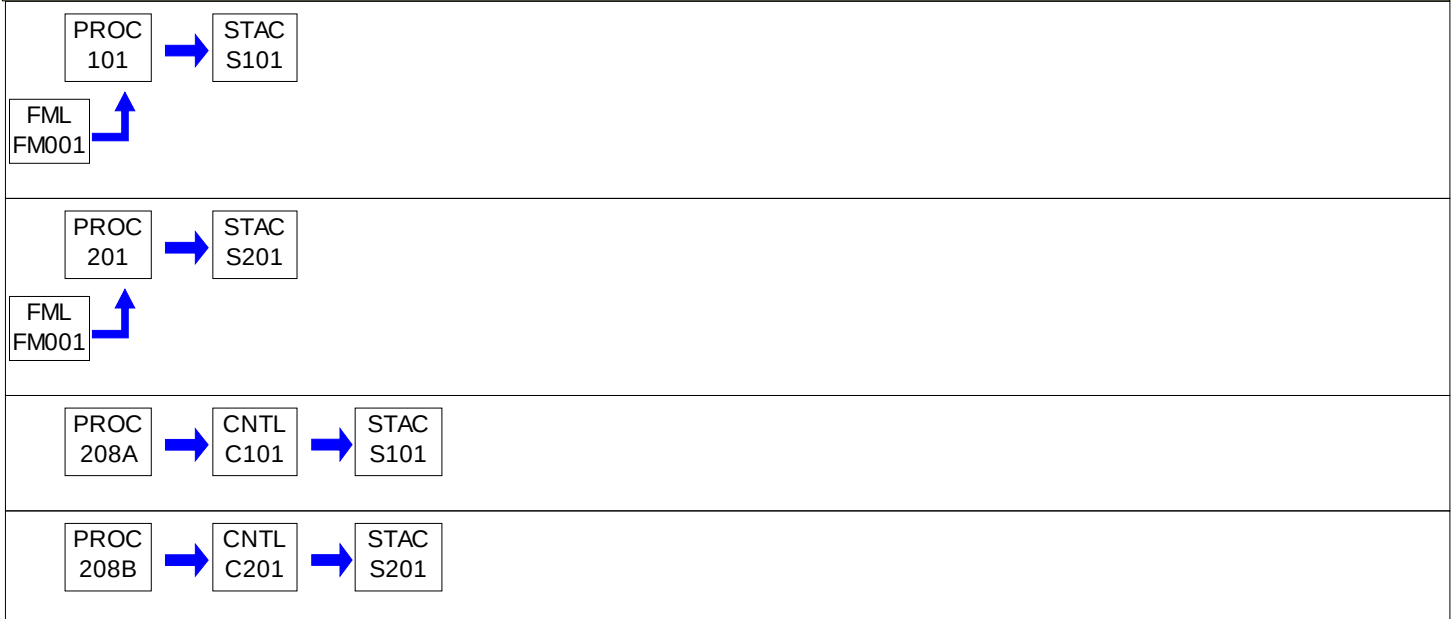
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SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	MELTING FURNACE (LINES 1-4)	6.430 Tons/HR	GLASS
		45.000 MCF/HR	Natural Gas
201	MELTING FURNACE (LINES 5-8)	6.100 Tons/HR	GLASS
		44.000 MCF/HR	Natural Gas
208A	GLASS BLOCK EDGE COATER	0.600 Gal/HR	VOC COATING
208B	GLASS BLOCK EDGE COATERS (2)		
208C	GLASS BLOCK EDGE COATERS (5)		
209	DISTRIBUTORS,FOREHEARTH,SPRESSES/SEALERS	23.200 MCF/HR	Natural Gas
211	GLASS BLOCK ANNEALING LEHRS (1-8)	24.400 MCF/HR	Natural Gas
213	#2 BATCH MIXER & CONVEYOR	17.000 Tons/HR	CULLET & MINERALS
215	MISCELLANEOUS NATURAL GAS USAGE		
C101	MELTING FURNACE		
C201	MELTING FURNACE		
C213	DUST COLLECTOR (#2 BATCH MIXER)		
FM001	NATURAL GAS		
S101	MELT FURN STACK		
S201	MELT FURN STACK		
S208	EDGE COATERS STACK		
S213	#2 MIXER & "C" CONVEYER STACK		
S215	STACK FROM MISC. NATURAL GAS USAGE		
Z209	GB DIST,F-HEARTH,ETC. SK		
Z211	GLASSBLK ANNEAL. LEHRS		

PERMIT MAPS



PERMIT MAPS

PROC
208C → STAC
S208

PROC
209 → STAC
Z209

PROC
211 → STAC
Z211

PROC
213 → CNTL
C213 → STAC
S213

PROC
215 → STAC
S215

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

- (a) The permittee may make minor operating permit modifications (as defined in 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.
- (b) 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 an operational flexibility change authorized by 25 Pa. Code § 127.462.

#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), according to procedures specified in § 127.450. Administrative amendments are not authorized for any amendment precluded by the Clean Air Act or the regulations thereunder from being processed as an administrative amendment.
- (b) Upon taking final action granting a request for an administrative permit amendment in accordance with § 127.450(c), the Department will allow coverage under 25 Pa. Code § 127.516 (relating to permit shield) for administrative permit amendments which meet the relevant requirements of 25 Pa. Code Article III, 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).

SECTION B. General Title V Requirements**#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 (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

SECTION B. General Title V Requirements

of the following:

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

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

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

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

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) applies to de minimis emission increases and the installation of minor sources made pursuant to this permit condition.

(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.

SECTION B. General Title V Requirements

#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)

(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.

SECTION B. General Title V Requirements

(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.

#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

(a) 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:

SECTION B. General Title V Requirements

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

(b) Unless precluded by the Clean Air Act or the regulations adopted thereunder, the permit shield authorized under 25 Pa. Code § 127.516 shall extend to operational flexibility changes made at this Title V facility pursuant to this permit condition and other applicable operational flexibility terms and conditions of this permit.

#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

SECTION B. General Title V Requirements

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).

#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 on minor or significant permit modifications, and operational flexibility changes shall be covered by the permit shield. Upon taking final action granting a request for an administrative permit amendment, the Department will allow coverage of the amendment by the permit shield in § 127.516 for administrative amendments which meet the relevant requirements of 25 Pa. Code Article III.

(d) The permit shield authorized under § 127.516 is in effect for the permit terms and conditions in this Title V permit, including administrative operating permit amendments and minor operating permit modifications.

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 contaminant from a source other than the following:

(1) Construction or demolition of buildings or structures.

(2) Grading, paving and maintenance of roads and streets.

(3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7) Not applicable.

(8) Not applicable.

(9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

(i) the emissions are of minor significance with respect to causing air pollution; and

(ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

(b) An application form for requesting a determination under either subsection (a)(9) or 129.15(c) is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions, and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant shall be required to demonstrate that the requirements of subsections (a)(9) and (c) and 123.2 (relating to fugitive particulate matter) or of the requirements of 129.15(c) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

(c) See work practice standard requirement

(d) Not applicable.

002 [25 Pa. Code §123.2]

Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Section C, Condition # 001 (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.31]

Limitations

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

SECTION C. Site Level Requirements**# 004 [25 Pa. Code §123.41]****Limitations**

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

- (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.

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

The limitations of 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:

- (1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).
- (4) Not applicable.

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

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

III. MONITORING REQUIREMENTS.**# 007 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

008 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

- (a) The permittee shall conduct daily monitoring of the facility property, while the plant is in operation, to observe for the presence of fugitive emissions and visible emissions being emitted into the outdoor atmosphere.
- (b) All detected fugitive emissions and visible emissions shall be reported to the shift supervisor.

IV. RECORDKEEPING REQUIREMENTS.**# 009 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

- (a) The permittee shall perform a daily observation of visible emissions and keep a monthly record of deviations or violations of fugitive and visible emissions.
- (b) This recordkeeping shall contain a listing or notation of any and all sources of fugitive emissions and visible emissions; the cause of the fugitive emissions and visible emissions duration of the emission; and the corrective action taken to abate

SECTION C. Site Level Requirements

the deviation and prevent future occurrences.

010 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee can modify the mixture of pollutants regulated under section 112 of the Clean Air Act (42 U.S.C.A. 7412) which are VOCs or PM10 so long as the emission limitations of the permit are not violated. The permittee shall keep a log which identifies the mixture of pollutants regulated under section 112 and report the changes in the mixture of pollutants regulated under section 112 with the next report required to be provided to the Department.

011 [25 Pa. Code §135.5]

Recordkeeping

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 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. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

V. REPORTING REQUIREMENTS.

012 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

a) The semi-annual deviation report, required under Section B Condition #023, shall be submitted to the Department within 30-days of the end of the reporting period. The 6-month deviation report shall cover the following periods unless otherwise approved by the Department:

1. October 1 through March 31
2. April 1 through September 30

b) The annual compliance certification report, required under Section B Condition #024, shall be submitted to the Department within 30-days of the end of the reporting period. The annual compliance certification shall cover the period of October 1 through the last day of September of each year unless otherwise approved by the Department.

013 [25 Pa. Code §135.21]

Emission statements

(a) The owner or operator of each stationary source emitting oxides of nitrogen or VOC's shall provide the Department with a statement, in a form as the Department may prescribe, for classes or categories of sources, showing the actual emissions of oxides of nitrogen and VOCs from that source for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate.

(b) Annual emission statements are due by March 1 for the preceding calendar year beginning with March 1, 1993, for calendar year 1992 and shall provide data consistent with requirements and guidance developed by the EPA. The guidance document is available from: United States Environmental Protection Agency, 401 M. Street, S.W., Washington, D.C. 20460. 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 act.

014 [25 Pa. Code §135.3]

Reporting

(a) The Permittee shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the proceeding

SECTION C. Site Level Requirements

calendar year and sources modified during the same period which were not previously reported.

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

015 [25 Pa. Code §135.4]

Report format

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

VI. WORK PRACTICE REQUIREMENTS.

016 [25 Pa. Code §121.7]

Prohibition of air pollution.

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

017 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

{From: 25 Pa. Code §123.1(c)}

A person responsible for any source specified in Condition #001 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, water 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.

018 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain and operate the sources and all associated control devices contained in this permit in accordance with manufacturer's specifications and in a manner consistent with good air pollution control practices.

[Authority for this condition is also derived from Pa. Code §129.93]

019 [25 Pa. Code §129.14]

Open burning operations

(a) Not Applicable

(b) No person may permit the open burning of material in an area outside of air basins in a manner that:

(1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.

(2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.

(3) The emissions interfere with the reasonable enjoyment of life or property.

(4) The emissions cause damage to vegetation or property.

SECTION C. Site Level Requirements

(5) The emissions are or may be deleterious to human or animal health.

(c) Exceptions: The requirements of subsections (a) and (b) do not apply where the open burning operations result from:

(1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.

(2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(3) A fire set for the prevention and control of disease or pests, when approved by the Department.

(4) Not applicable

(5) Not applicable.

(6) A fire set solely for recreational or ceremonial purposes.

(7) A fire set solely for cooking food.

(d) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

(1) As used in this subsection the following terms shall have the following meanings:

Air curtain destructor -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

Clearing and grubbing wastes -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) Not applicable.

(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b) of this section.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

[This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of Solid Waste Management Act, 35 P.S. Section 6018.610(3), or any other provision of Solid Waste Management Act.]

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 09/30/2014 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #24 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

SECTION C. Site Level Requirements

#020 01-JAN-14

PCC proposed an extension of the compliance date for Source 201 to coincide with its next cold shutdown. During the next scheduled cold shutdown, downstream emission control equipment consisting of Selective Catalytic Reduction or alternative equivalent technology equipment will be installed to achieve compliance with the new 7.0 lb/ton NOx emission limitation.

PCC Proposes to continue routine maintenance, monitoring, testing, recordkeeping and operation of Source 201 in accordance with Title V Permit (42-00009) and to continue demonstrating compliance with the NOx emission limitation of 13.5 lb/ton stated in the Title V permit by stack testing at the interim emission limitation until compliance with the new NOx emission limitation is achieved with the next cold shutdown.

Proposed Compliance Milestone Dates:

Design- The facility shall complete the design of the control device (Selective Catalytic Reduction or alternative equivalent technology) to minimize the NOx emission and meet the 7.0 lbs/ton NOx emission limit by Jan 1, 2014.

#021 01-NOV-16

The facility shall submit a plan approval application for the installation of the Selective Catalytic Reduction or alternative equivalent technology controls prior to the milestone date.

#022 01-JAN-17

The facility shall submit proposals containing information as listed in the Phase 1 Section of the Department's Continuous Monitoring Manual for the CEM no later than 180 days prior to the planned initial source startup date associated with the installation of the NOx controls.

#023 01-JAN-18

Given the Construction Plan approval and acceptance of the CEM proposals by the Department, the facility shall secure project funding approvals for the NOx reduction and continuous monitoring equipment.

#024 01-FEB-19

The NOx reduction equipment shall be delivered to the facility prior to the milestone date.

#025 01-MAY-19

The NOx reduction equipment shall be installed at the facility prior to the milestone date.

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

SECTION D. Source Level Requirements

Source ID: 101

Source Name: MELTING FURNACE (LINES 1-4)

Source Capacity/Throughput:

6.430 Tons/HR

GLASS

45.000 MCF/HR

Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter, at any time, either in excess of the rate calculated by the formula or, in such a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic foot, whichever is greater:

The Process factor F is 50 lbs/ton for glass production melting furnace.

$$A = .76E^{(0.42)}$$

Where:

A = Allowable emissions in pounds per hour.

E = Emission index = F x W pounds per hour.

F = Process factor in pounds per unit, and

W = Production or charging rate in units per hour.

The units for F and W shall be compatible.

In this case allowable emissions in pounds per hour = 8.59 lbs/hr.

[F = 50 lbs/ton

W = 6.4 Tons/hr E = F x W = 50 lbs/ton x 6.4 tons/hr = 321.5 lbs/hr

$$A = .76 \times (321.5)^{0.42} = 8.59 \text{ lbs/hr}$$

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

129.303. Exemptions.

(a) The emission requirements in § 129.304 (relating to emission requirements) do not apply during periods of start-up, shutdown, or idling as defined in § 121.1 (relating to definitions), if the owner or operator complies with the requirements in §§ 129.305, 129.306 and 129.307 (relating to start-up requirements; shutdown requirements; and idling requirements).

(b) The owner or operator of a glass melting furnace claiming an exemption under subsection (a) shall notify the Department or the appropriate approved local air pollution control agency in writing within 24 hours after initiation of the

SECTION D. Source Level Requirements

operation for which the exemption is claimed. The methods for submitting the written notice may include e-mail, hand or courier delivery, certified mail or facsimile transmissions to the appropriate regional office described in § 121.4 (relating to regional organization of the Department) or appropriate approved local air pollution control agency. The notification must include:

- (1) The date and time of the start of the exempt operation.
- (2) The reason for performing the operation and an estimated completion date.
- (3) Identification of the emission control system operating during the exemption period.

(c) The owner or operator of a glass melting furnace granted an exemption under this section shall maintain operating records or documentation, or both, necessary to support the claim for the exemption. The records shall be maintained for 5 years onsite and made available or submitted to the Department or appropriate approved local air pollution control agency, upon request.

(d) The owner or operator of a glass melting furnace shall notify the Department or the appropriate approved local air pollution control agencies in writing within 24 hours after completion of the operation for which the exemption is claimed.

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

The glass melting furnace at this facility (Source ID # 101 and #201) are subject to 25 Pa. Code § 129.301 - §129.310 and shall comply with all applicable provisions of those sections. The compliance date for those provisions is January 1, 2012 except as otherwise specified in this permit section.

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

As per 25 Pa. Code Section 129.304(a)(2), on and after January 1, 2012 nitrogen oxides (NO_x) emissions from the glass melting furnaces shall not exceed 7.0 pounds of NO_x per ton of glass.

[Compliance with the requirement in this streamlined permit condition assures compliance with the provisions found in RACT limit of 13.5lb/ton. Authority for this RACT condition is also derived from 25 Pa. Code §129.91]

Fuel Restriction(s).**# 006 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

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

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

(a) Pursuant to 25 Pa. Code § 139.53(a)(3) to at least 60 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code § 139.53(a)(3) at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(c) If the proposed testing did not occur per the required notification in section (b) above, an electronic mail notification shall be sent within 15 calendar days after the expected completion date of the on site testing, to the Department's Division of Source testing and Monitoring and the appropriate Regional office indicating why the proposed completion date of the on-site testing was not adhered to.

(d) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

SECTION D. Source Level Requirements

(e) Pursuant to 25 Pa. Code Section 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
2. Permit number(s) and condition(s) which are the basis for the evaluation.
3. Summary of results with respect to each applicable permit condition.
4. Statement of compliance or non-compliance with each applicable permit condition.

(f) Pursuant to 25 Pa. Code § 139.3 all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(g) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp> when it becomes available. If internet submittal can not be accomplished, two copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks. In a like manner, one copy of the submittal shall be sent to the appropriate Regional office.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain following test as follows:

(a) Pursuant to the petition for extension of compliance with 25 Pa. Code § 129.301 - §129.310 the permittee shall conduct stack testing every two years for Glass Melting Source ID #101 for Nitrogen Oxide concentration to confirm compliance with the NOx RACT emission limits. Stack testing shall be done in accordance with 25 Pa. Code Chapter 139.

(b) The stack testing shall be performed in accordance with the testing protocol approved by the Department on August 14, 1997 using EPA Method 7E. The protocol may be modified on approval by the Department.

(c) No stack test is required when the source is in cold shutdown.

[Authority for this condition is also derived from 25 Pa Code Section 129.91]

009 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall perform a stack test for TSP (total suspended particulate) emission within 6-12 months prior to the expiration of this permit.

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

129.308. Compliance determination.

(a) Not later than 14 days prior to the applicable compliance date under § 129.304(b) or (c), the owner or operator of a glass melting furnace subject to this section, § § 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 NOx 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.

SECTION D. Source Level Requirements

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 or appropriate approved local air pollution control agency.

(b) Data invalidated under Chapter 139, Subchapter C, shall be substituted with the following if approved in writing by the Department or appropriate approved local air pollution control agency:

(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 or appropriate approved local air pollution control agency:

(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 or appropriate approved local air pollution control agency may approve an alternative procedure to quantify NO_x emissions and glass production.

(d) The owner or operator of a glass furnace subject to this section 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, or a format approved by the appropriate approved local air pollution control agencies.

(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.

[For Source ID #101 and #201: These requirements (Monitoring & Reporting) are only in effect upon restarting of Source ID # 101 and #201 respectively]

IV. RECORDKEEPING REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

129.310. Recordkeeping.

(a) The owner or operator of a glass melting furnace subject to this section and § § 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 owner or operator of a glass melting furnace 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.

SECTION D. Source Level Requirements

(c) The owner or operator claiming that a glass melting furnace is exempt from the requirements of § § 129.301-129.309 based on the furnace's potential to emit shall maintain records that clearly demonstrate to the Department or appropriate approved local air pollution control agency that the furnace is not subject to § § 129.301-129.309.

(d) 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.

[For Source ID #101: These requirements (Recordkeeping) are only in effect upon restarting of Source ID # 101]

012 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain hourly records of the electric boost to each Glass Melting Furnace during melting hours.

V. REPORTING REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

129.309. Compliance demonstration.

(a) The owner or operator of a glass melting furnace shall calculate and report to the Department or appropriate approved local air pollution control agency 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 NOx emission limitation specified in § 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 owner or operator of a glass melting furnace shall demonstrate compliance with the emission requirements of § 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 or the appropriate approved local air pollution control agency 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 § 129.304(a) will not be considered surplus for emission reduction credit purposes. The owner or operator of a glass melting furnace shall demonstrate compliance with the emission requirements of § 129.304(a) in accordance with subsection (d).

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

[For Source ID #101 and, #201: These requirements (Monitoring & Reporting) are only in effect upon restarting of Source ID # 101 and #201 respectively]

[For Source ID #201: Quarterly reporting will begin after startup of the CEMS in 2019]

VI. WORK PRACTICE REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

129.305. Start-up requirements.

(a) The owner or operator of the glass melting furnace shall submit, in writing, to the Department or appropriate approved

SECTION D. Source Level Requirements

local air pollution control agency, no later than 30 days prior to the anticipated date of start-up, information requested by the Department or appropriate approved local air pollution control agency to assure proper operation of the furnace. The information must include the following:

(1) A detailed list of activities to be performed during start-up and an explanation for the length of time needed to complete each activity.

(2) A description of the material process flow rates and system operating parameters and other information that the owner or operator plans to evaluate during the process optimization.

(b) The owner or operator of a glass melting furnace may submit a request for a start-up exemption in conjunction with the plan approval application if required. The actual length of the start-up exemption, if any, will be determined by the Department or appropriate approved local air pollution control agency at the time of the issuance of the plan approval or operating permit.

(c) The length of the start-up exemption following activation of the primary furnace combustion system may not exceed:

(1) Seventy days for a container, pressed or blown glass furnace.

(2) Forty days for a fiberglass furnace.

(3) One hundred and four days for a flat glass furnace and for all other glass melting furnaces not covered under paragraphs (1) and (2).

(d) The requirements of subsection (c) notwithstanding, if the NO_x control system is not in common use or is not readily available from a commercial supplier, the length of the maximum start-up exemption following activation of the primary furnace combustion system is as follows:

(1) One hundred days for a container, pressed or blown glass furnace.

(2) One hundred and five days for a fiberglass furnace.

(3) Two hundred and eight days for a flat glass furnace and for all other glass melting furnaces not covered under paragraphs (1) and (2).

(e) The Department or appropriate approved local air pollution control agency may approve start-up exemptions, as appropriate, to the extent that the submittal clearly:

(1) Identifies the control technologies or strategies to be used.

(2) Describes the physical conditions that prevail during start-up periods that prevent the controls from being effective.

(3) Provides a reasonably precise estimate as to when physical conditions will have reached a state that allows for the effective control of emissions.

(f) During the start-up period, the owner or operator of a glass melting furnace shall maintain the stoichiometric ratio of the primary furnace combustion system so as not to exceed 5% excess oxygen, as calculated from the actual fuel and oxidant flow measurements for combustion in the glass melting furnace.

(g) The owner or operator shall place the emission control system in operation as soon as technologically feasible during start-up to minimize emissions.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

129.306. Shutdown requirements.

SECTION D. Source Level Requirements

(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.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

129.307. Idling requirements.

(a) 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 idling to minimize emissions.

(b) 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 § 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.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall incorporate the use of a minimum of 250 kilowatts per hour of electric boost to Glass Melting Furnace 1 during melting hours.

[Authority for this condition is also derived from 25 Pa.Code Section 129.91]

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

SECTION D. Source Level Requirements

Source ID: 201

Source Name: MELTING FURNACE (LINES 5-8)

Source Capacity/Throughput:

6.100 Tons/HR

GLASS

44.000 MCF/HR

Natural Gas

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

No person may permit the emission into the outdoor atmosphere of particulate matter from any process listed in the following table, at any time, either in excess of the rate calculated by the formula in such a manner that the concentration of particulate matter in the effluent gas exceeds .02 grains per dry standard cubic foot, whichever is greater:

The process factor F is 50 pounds per ton for glass production melting furnaces.

Formula:

$$A = .76E^{(0.42)}$$

where:

A = Allowable emissions in pounds per hour.

E = Emission index = F x W pounds per hour.

F = Process factor in pounds per unit, and

W = Production or charging rate in units per hour.

The units for F and W shall be compatible.

In this case allowable emissions in pounds per hour= 8.4 lbs/hr.

$$[F = 50 \text{ lbs/ton}$$

$$W = 6.1 \text{ Tons/hr } E = F \times W = 50 \text{ lbs/ton} \times 6.1 \text{ tons/hr} = 305 \text{ lbs/hr}$$

$$A = .76 \times (305)^{0.42} = 8.4 \text{ lbs/hr}]$$

002 [25 Pa. Code §123.21]**General**

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

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

129.303. Exemptions.

(a) The emission requirements in § 129.304 (relating to emission requirements) do not apply during periods of start-up, shutdown, or idling as defined in § 121.1 (relating to definitions), if the owner or operator complies with the requirements in §§ 129.305, 129.306 and 129.307 (relating to start-up requirements; shutdown requirements; and idling requirements).

(b) The owner or operator of a glass melting furnace claiming an exemption under subsection (a) shall notify the Department or the appropriate approved local air pollution control agency in writing within 24 hours after initiation of the

SECTION D. Source Level Requirements

operation for which the exemption is claimed. The methods for submitting the written notice may include e-mail, hand or courier delivery, certified mail or facsimile transmissions to the appropriate regional office described in § 121.4 (relating to regional organization of the Department) or appropriate approved local air pollution control agency. The notification must include:

- (1) The date and time of the start of the exempt operation.
- (2) The reason for performing the operation and an estimated completion date.
- (3) Identification of the emission control system operating during the exemption period.

(c) The owner or operator of a glass melting furnace granted an exemption under this section shall maintain operating records or documentation, or both, necessary to support the claim for the exemption. The records shall be maintained for 5 years onsite and made available or submitted to the Department or appropriate approved local air pollution control agency, upon request.

(d) The owner or operator of a glass melting furnace shall notify the Department or the appropriate approved local air pollution control agencies in writing within 24 hours after completion of the operation for which the exemption is claimed.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The glass melting furnace at this facility (Source ID # 101 and #201) are subject to 25 Pa. Code § 129.301 - §129.310 and shall comply with all applicable provisions of those sections. The compliance date for those provisions is January 1, 2012 except as otherwise specified in this permit (as referred to in the compliance schedule).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

As per 25 Pa. Code Section 129.304(a)(2), on and after January 1, 2012 nitrogen oxides (NO_x) emissions from the glass melting furnaces shall not exceed 7.0 pounds of NO_x per ton of glass except as specified elsewhere in this permit section.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee may not permit the emission of nitrogen oxides from Glass Melting Furnace No. 2 in an amount greater than 13.5 lbs/ton of glass melted per furnace.

[Authority for this condition is also derived from 25 Pa. Code § 129.91]

Fuel Restriction(s).

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

II. TESTING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Pursuant to 25 Pa. Code § 139.53(a)(3) to at least 60 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code § 139.53(a)(3) at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(c) If the proposed testing did not occur per the required notification in section (b) above, an electronic mail notification shall be sent within 15 calendar days after the expected completion date of the on site testing, to the Department's Division of

SECTION D. Source Level Requirements

Source testing and Monitoring and the appropriate Regional office indicating why the proposed completion date of the on-site testing was not adhered to.

(d) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

(e) Pursuant to 25 Pa. Code Section 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
2. Permit number(s) and condition(s) which are the basis for the evaluation.
3. Summary of results with respect to each applicable permit condition.
4. Statement of compliance or non-compliance with each applicable permit condition.

(f) Pursuant to 25 Pa. Code § 139.3 all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(g) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp> when it becomes available. If internet submittal can not be accomplished, two copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks. In a like manner, one copy of the submittal shall be sent to the appropriate Regional office.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain following test as follows:

(a) Pursuant to the petition for extension of compliance with 25 Pa. Code § 129.301 - §129.310 the permittee shall conduct stack testing every two years for Glass Melting Source ID #201 for Nitrogen Oxide concentration to confirm compliance with the NOx RACT emission limits. Stack testing shall be done in accordance with 25 Pa. Code Chapter 139.

(b) The stack testing shall be performed in accordance with the testing protocol approved by the Department on August 14, 1997 using EPA Method 7E. The protocol may be modified on approval by the Department.

(c) RATA testing in accordance with the Department's Continuous Source Monitoring Manual and 40 CFR Part 60, Appendix B, Performance Specification 2 shall commence following the installation of the CEMS.

[Authority for this condition is also derived from 25 Pa Code Section 129.91]

010 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall perform a stack test for TSP (total suspended particulate) emission within 6-12 months prior to the expiration of this permit.

III. MONITORING REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

129.308. Compliance determination.

SECTION D. Source Level Requirements

(a) Not later than 14 days prior to the applicable compliance date under § 129.304(b) or (c), the owner or operator of a glass melting furnace subject to this section, § § 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 or appropriate approved local air pollution control agency.

(b) Data invalidated under Chapter 139, Subchapter C, shall be substituted with the following if approved in writing by the Department or appropriate approved local air pollution control agency:

(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 or appropriate approved local air pollution control agency:

(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 or appropriate approved local air pollution control agency may approve an alternative procedure to quantify NO_x emissions and glass production.

(d) The owner or operator of a glass furnace subject to this section 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, or a format approved by the appropriate approved local air pollution control agencies.

(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.

[For Source ID #101 and #201: These requirements (Monitoring & Reporting) are only in effect upon restarting of Source ID # 101 and #201 respectively]

IV. RECORDKEEPING REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

129.310. Recordkeeping.

(a) The owner or operator of a glass melting furnace subject to this section and § § 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.

SECTION D. Source Level Requirements

(b) The owner or operator of a glass melting furnace 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 owner or operator claiming that a glass melting furnace is exempt from the requirements of § § 129.301-129.309 based on the furnace's potential to emit shall maintain records that clearly demonstrate to the Department or appropriate approved local air pollution control agency that the furnace is not subject to § § 129.301-129.309.

(d) 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.

013 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain hourly records of the electric boost to each Glass Melting Furnace during melting hours.

V. REPORTING REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

129.309. Compliance demonstration.

(a) The owner or operator of a glass melting furnace shall calculate and report to the Department or appropriate approved local air pollution control agency 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 § 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 owner or operator of a glass melting furnace shall demonstrate compliance with the emission requirements of § 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 or the appropriate approved local air pollution control agency 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 § 129.304(a) will not be considered surplus for emission reduction credit purposes. The owner or operator of a glass melting furnace shall demonstrate compliance with the emission requirements of § 129.304(a) in accordance with subsection (d).

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

[For Source ID #101 and, #201: These requirements (Monitoring & Reporting) are only in effect upon restarting of Source ID # 101 and #201 respectively]

[For Source ID #201: Quarterly reporting will begin after startup of the CEMS in 2019]

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

129.305. Start-up requirements.

(a) The owner or operator of the glass melting furnace shall submit, in writing, to the Department or appropriate approved local air pollution control agency, no later than 30 days prior to the anticipated date of start-up, information requested by the Department or appropriate approved local air pollution control agency to assure proper operation of the furnace. The information must include the following:

(1) A detailed list of activities to be performed during start-up and an explanation for the length of time needed to complete each activity.

(2) A description of the material process flow rates and system operating parameters and other information that the owner or operator plans to evaluate during the process optimization.

(b) The owner or operator of a glass melting furnace may submit a request for a start-up exemption in conjunction with the plan approval application if required. The actual length of the start-up exemption, if any, will be determined by the Department or appropriate approved local air pollution control agency at the time of the issuance of the plan approval or operating permit.

(c) The length of the start-up exemption following activation of the primary furnace combustion system may not exceed:

(1) Seventy days for a container, pressed or blown glass furnace.

(2) Forty days for a fiberglass furnace.

(3) One hundred and four days for a flat glass furnace and for all other glass melting furnaces not covered under paragraphs (1) and (2).

(d) The requirements of subsection (c) notwithstanding, if the NO_x control system is not in common use or is not readily available from a commercial supplier, the length of the maximum start-up exemption following activation of the primary furnace combustion system is as follows:

(1) One hundred days for a container, pressed or blown glass furnace.

(2) One hundred and five days for a fiberglass furnace.

(3) Two hundred and eight days for a flat glass furnace and for all other glass melting furnaces not covered under paragraphs (1) and (2).

(e) The Department or appropriate approved local air pollution control agency may approve start-up exemptions, as appropriate, to the extent that the submittal clearly:

(1) Identifies the control technologies or strategies to be used.

(2) Describes the physical conditions that prevail during start-up periods that prevent the controls from being effective.

(3) Provides a reasonably precise estimate as to when physical conditions will have reached a state that allows for the effective control of emissions.

(f) During the start-up period, the owner or operator of a glass melting furnace shall maintain the stoichiometric ratio of the primary furnace combustion system so as not to exceed 5% excess oxygen, as calculated from the actual fuel and oxidant flow measurements for combustion in the glass melting furnace.

(g) The owner or operator shall place the emission control system in operation as soon as technologically feasible during

SECTION D. Source Level Requirements

start-up to minimize emissions.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

129.306. Shutdown requirements.

(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.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

129.307. Idling requirements.

(a) 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 idling to minimize emissions.

(b) 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 § 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.

018 [25 Pa. Code §129.304.]

Emission requirements.

(a) Except as specified in §§ 129.303, 129.304(c), 129.305, 129.306 and 129.307, 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 the following allowable limits or NO_x emission limits contained in the plan approval or operating permit, whichever are lower:

- (1) 4.0 pounds of NO_x per ton of glass pulled for container glass furnaces.
- (2) 7.0 pounds of NO_x per ton of glass pulled for pressed or blown glass furnaces.
- (3) 4.0 pounds of NO_x per ton of glass pulled for fiberglass furnaces.
- (4) 7.0 pounds of NO_x per ton of glass pulled for flat glass furnaces.
- (5) 6.0 pounds of NO_x per ton of glass pulled for all other glass melting furnaces.

(b) The owner or operator of a glass melting furnace shall comply with subsection (a) by January 1, 2012, unless a petition for an alternative emission limitation or compliance schedule is submitted, in writing, to the Department and appropriate approved local air pollution control agency by January 1, 2012, in accordance with subsection (c) and approved, in writing, by the Department or appropriate approved local air pollution control agency.

(c) An owner or operator of a glass melting furnace that does not meet the NO_x emission limits specified under this section by January 1, 2012, may petition the Department and appropriate approved local air pollution control agency for an alternative emission limitation or compliance schedule as follows:

SECTION D. Source Level Requirements

- (1) The owner or operator of a glass melting furnace subject to this section may submit, in writing, a petition requesting an alternative emission limitation. The petition must demonstrate to the satisfaction of the Department and appropriate approved local air pollution control agency that it is economically or technologically infeasible to meet the emission limitation under this section. The alternative emission limitation must be included in either a plan approval or an operating permit issued by the Department or a permit issued by the appropriate approved local air pollution control agency.
- (2) The owner or operator of a glass melting furnace for which the schedule for cold shutdown does not allow compliance by January 1, 2012 may submit a petition, in writing, requesting an alternative compliance schedule. The alternative compliance schedule for a cold shutdown which occurs after June 19, 2010, may not be extended beyond 180 days from the start-up of the furnace after the cold shutdown, unless approved, in writing, by the Department.
- (3) A petition must include the following:
 - (i) A brief description, including make, model and location, of each affected glass melting furnace.
 - (ii) A list of all air pollution control technologies and measures that have been installed on each affected glass melting furnace and are operating to control emissions of NOx.
 - (iii) The date of installation and original commencement of operation for each of the technologies and measures listed in accordance with subparagraph (ii).
 - (iv) An explanation of how the NOx control technology or measure installed has been optimized for the maximum NOx emission reduction for each of the technologies and measures listed in accordance with subparagraph (ii).
 - (v) The results of each stack test and other emissions measurements for the affected glass melting furnace following the installation and commencement of operation of the air pollution control technologies and measures listed in accordance with subparagraph (ii).
 - (vi) The date of last scheduled cold shutdown for each affected furnace.
 - (vii) The date of next scheduled cold shutdown of each affected furnace.
 - (viii) Other relevant information requested, in writing, by the Department or appropriate approved local air pollution control agency.
- (4) If an alternative compliance schedule is sought to meet the requirements of this section, the owner or operator shall submit a proposed schedule containing proposed interim milestone dates for completing each phase of the required work and a proposed final compliance date. The petition must also include a proposed interim emission limitation until compliance is achieved with the requirements specified in this section.
- (5) If an alternative emission limitation is sought to meet the requirements of this section, the conditions or special circumstances which demonstrate that the applicable requirements are technologically or economically infeasible.
- (6) If an alternative emission limitation is sought to meet the requirements of this section, the owner or operator shall propose emission limitations in the petition.
- (7) Approved interim milestone dates or emission limitations determined to be necessary for effective monitoring of progress toward full compliance with the requirements of this section, § § 129.301—129.303 and 129.305—129.310 shall be specified in a plan approval or operating permit issued by the Department or a permit issued by the appropriate approved local air pollution control agency.
- (d) During routine maintenance of an add-on emission control system or systems, or maintenance or repair measures on furnace components, the owner or operator of a glass melting furnace subject to the emission limits specified under subsection (a) is exempt from these limits if:
 - (1) All routine maintenance of an add-on emission control system or maintenance or repair measures on furnace

**SECTION D. Source Level Requirements**

components, or both, combined, in each calendar year does not exceed 144 hours total.

(2) The routine maintenance or maintenance or repair measure, or both, is conducted in a manner consistent with good air pollution control practices for minimizing emissions.

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

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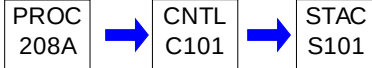
Source ID: 208A

Source Name: GLASS BLOCK EDGE COATER

Source Capacity/Throughput:

0.600 Gal/HR

VOC COATING



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

001 [25 Pa. Code §129.52]

Surface coating processes

The permittee shall maintain daily records of the gallons of coating used, the coating density before and after addition of diluents, the gallons of diluents used and the density of the diluents, the gallons of water contained in the coating and the weight percent of the organic volatiles in the coating. The records shall be maintained for 5 years and shall be submitted to the Department on a schedule reasonably prescribed by the Department.

[Authority for this condition is also derived in 25 Pa Code Section 129.91]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain the interlocking system which restricts the operation of the edge coater to when the glass melt furnaces are being operated.

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 208B

Source Name: GLASS BLOCK EDGE COATERS (2)

Source Capacity/Throughput:



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

001 [25 Pa. Code §129.52]

Surface coating processes

The permittee shall maintain daily records of the gallons of coating used, the coating density before and after addition of diluents, the gallons of diluents used and the density of the diluents, the gallons of water contained in the coating and the weight percent of the organic volatiles in the coating. The records shall be maintained for 5 years and shall be submitted to the Department on a schedule reasonably prescribed by the Department.

[Authority for this condition is also derived in 25 Pa Code Section 129.91]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain the interlocking system which restricts the operation of the edge coater to when the glass melt furnaces are being operated.

VII. ADDITIONAL REQUIREMENTS.

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

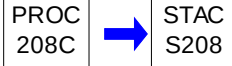
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 208C

Source Name: GLASS BLOCK EDGE COATERS (5)

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §129.52]****Surface coating processes**

The permittee shall maintain daily records of the gallons of coating used, the coating density before and after addition of diluents, the gallons of diluents used and the density of the diluents, the gallons of water contained in the coating and the weight percent of the organic volatiles in the coating. The records shall be maintained for 5 years and shall be submitted to the Department on a schedule reasonably prescribed by the Department.

[Authority for this condition is also derived in 25 Pa Code Section 129.91]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 209

Source Name: DISTRIBUTORS,FOREHEARTHS,PRESSES/SEALERS

Source Capacity/Throughput:

23.200 MCF/HR

Natural Gas

PROC
209STAC
Z209**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.21]

General

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

Fuel Restriction(s).

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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.

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

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

SECTION D. Source Level Requirements

Source ID: 211

Source Name: GLASS BLOCK ANNEALING LEHRS (1-8)

Source Capacity/Throughput:

24.400 MCF/HR

Natural Gas

PROC
211STAC
Z211**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.21]

General

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

Fuel Restriction(s).

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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.

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

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

SECTION D. Source Level Requirements

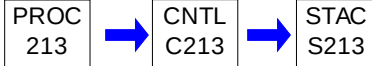
Source ID: 213

Source Name: #2 BATCH MIXER & CONVEYOR

Source Capacity/Throughput:

17.000 Tons/HR

CULLET & MINERALS



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 any process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

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 §127.12b]

Plan approval terms and conditions.

The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall, at a minimum, contain the dates of the inspections, any routine maintenance performed, and the pressure drop across the control device.

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 §127.12b]

Plan approval terms and conditions.

The permittee shall maintain a magnehelic gauge shall be permanently installed and maintained at a conveniently readable location to indicate the pressure drop across the collector.

004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- (a) The permittee shall perform a weekly preventive maintenance inspection of the control device.
- (b) The permittee shall maintain a manometer or similar device to measure the pressure drop across the control device.
- (c) The permittee shall operate the control device at all times that this source is in operation.

**SECTION D. Source Level Requirements**

(d) The permittee shall maintain and operate this source and the control device in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

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

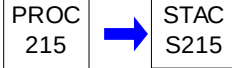
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 215

Source Name: MISCELLANEOUS NATURAL GAS USAGE

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 this process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

002 [25 Pa. Code §123.21]

General

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

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.

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

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



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION F. Emission Restriction Summary.

Source Id	Source Description		
101	MELTING FURNACE (LINES 1-4)		
Emission Limit		Pollutant	
13.500	Lbs/Tons	of glass melted in the furnace.	NOX
500.000	PPMV	Dry basis.	SOX
10.060	Lbs/Hr		TSP
201	MELTING FURNACE (LINES 5-8)		
Emission Limit		Pollutant	
13.500	Lbs/Tons	of glass melted in furnace.	NOX
13.500	Lbs/Tons	of glass melted in the furnace.	NOX
500.000	PPMV	Dry basis.	SOX
9.840	Lbs/Hr		TSP
209	DISTRIBUTORS,FOREHEARTHS,PRESSES/SEALERS		
Emission Limit		Pollutant	
500.000	PPMV	Dry basis	SOX
211	GLASS BLOCK ANNEALING LEHRS (1-8)		
Emission Limit		Pollutant	
500.000	PPMV	Dry basis	SOX
213	#2 BATCH MIXER & CONVEYOR		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		TSP
215	MISCELLANEOUS NATURAL GAS USAGE		
Emission Limit		Pollutant	
500.000	PPMV	Dry basis	SOX
0.040	gr/DRY FT3		TSP

Site Emission Restriction Summary

Emission Limit	Pollutant
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SECTION G. Miscellaneous.

(a) There are no applicable emission, testing, monitoring, recordkeeping, or reporting requirements for the following sources:

- 1) Ink labeling.
- 2) Glass block mold shop dylon spraying.
- 3) Manufacturing development equipment.
- 4) Raw material truck traffic.
- 5) Various cullet piles
- 6) Batch house raw material handling
- 7) Welding shop
- 8) Incidental combustion of lube oil
- 9) Reclaim oil tanks
- 10) Janitorial activities
- 11) Routine office equipment
- 12) Plant maintenance and upkeep activities (including painting, welding, paving and cleaning)
- 13) Forklifts
- 14) Housekeeping and sweeping
- 15) Power washers and water pumps.
- 16) Gasoline storage tanks less than 2000 gallons, diesel, and reclaim oil storage tanks.

(b) The permit has been amended on September 10, 2007 to change the name of responsible official and permit contact.

(c) Source ID # 215: Miscellaneous natural gas usage comprised of the following space heaters:

- (1) Armstrong, model # 5001DG6105, capacity 84,000 Btu/Hr
- (2) Burnham, model # 190,000B, Capacity 190,000 Btu/Hr
- (3) Carrier, model 240, 000 46 BA, Capacity 240,000 Btu/hr
- (4) Comfort Glow, model # 20,000 CGN20TB, Capacity 20,000 Btu/Hr.
- (5) Dayton, model # 235,500 4LX66A, 2 pieces, Capacity: each: 235,500 Btu/Hr
- (6) Dynaglow, Model # 30,000 RM180NGT, 2 pieces, each capacity: 30,000 Btu/hr.
- (7) Enerco, model# 60,000 8060NDSP-5, 4 pieces, each capacity: 240,000 Btu/Hr.
- (8) Enerco, model # 70,000 8060NDSP-5, 2 pieces, each capacity: 70,000 Btu/Hr.
- (9) Hastings, model # 400,000 SD-400, 6 pieces, each capacity 400,000 Btu/Hr.
- (10) Hudro Therm, model # 150,000 M150B, 2 pieces, capacity: 300,000 Btu/Hr
- (11) Modine, model # 60,000 BAE200AC, capacity 60,000 Btu/Hr
- (12) Modine, model# 160,000 PD200AA0111, capacity 160,000 Btu/Hr
- (13) Modine, model# 160,000 PD200AE0130, 2 pieces, each capacity: 160,000 Btu/Hr
- (14) Modine, model # 240,000 PD300AE0130, capacity 240,000 Btu/Hr
- (15) Modine, model # 200,000 PD350AE0130, capacity 200,000 Btu/Hr
- (16) Modine, model # 75,000 PD750E30, capacity 75,000 Btu/Hr
- (17) Modine, model# 75,000 PD75AE0130, capacity 75,000 Btu/Hr
- (18) Modine, model # 150,000 PDA50AE0130, capacity 150,000 Btu/Hr
- (19) Modine, model # 160,000 PDP, capacity 160,000 Btu/Hr
- (20) Modine, model # 150,000 PDP350SEM0153, capacity: 150,000 Btu/Hr.
- (21) Modine, model # 200,000 PDP 350SEM0153, 2 pieces, capacity: 400,000 Btu/Hr

SECTION G. Miscellaneous.

- (22) Pennco, capacity: 230,400 Btu/Hr, model number not available
- (23) Perfection, model # 50,000 JC50-3DN, Capacity: 50,000 Btu/Hr.
- (24) Perfection Schwank-model # 48,000 PJB4DN, capacity: 48, 000 Btu/Hr
- (25) Perfection Schwank-model # 50,000 PJC50-30M, capacity 50,000 Btu/Hr
- (26) Re-Verbe-Ray, model# 65,000 HL-220-100N, 5 pieces, each capacity: 65,000 Btu/Hr
- (27) Reznor, model #100, 000 AJB31G88N07935, 2 pieces, capacity 200,000 Btu/Hr
- (28) Reznor, model # 160,000 FE200, capacity: 160,000 Btu/Hr
- (29) Reznor, capacity: 100,000 Btu/Hr, model number was not available.
- (30) Reznor, model # 100,000 XL-125, 2 pieces, capacity: 200,000 Btu/Hr
- (31) Solaronics, model # 50,000 KS50, capacity: 50,000 Btu/Hr
- (32) Solaronics, model # 50,000 KS50DSAN, 6 pieces, capacity 300,000 Btu/Hr
- (33) Solaronics, model # 200,000, capacity 200,000 Btu/Hr, model number was not available.
- (34) Solaronics, model # 50,000 RSCA3-N5S, capacity 50,000
- (35) Solaronics, model # 50,000 RSCA3-N5S, capacity 50,000
- (36) Sterling, model # 60,000 QVF-100, capacity:60,000 Btu/Hr
- (37) Sterling, model # 240,000 QVF300AL, 2pieces, each capacity: 240,000 Btu/Hr
- (38) Trane, model # 198,000 YCH150B4, capacity 198,000 Btu/Hr
- (39) Utica, model # 205,200 MSCAOAGBI, capacity 205, 200 Btu/Hr.
- (40) Woodaire, model # 14, 000 RAD-U, capacity 14, 000 Btu/Hr.

(d) This permit was reissued on October 28, 2008

(e) Source ID # 101 is currently in cold shutdown. If the melting furnace is brought back online during the period of this permit, it will be in compliance with the new NOx standard and the requirement for installation of a Continuous Emission Monitoring System (CEMS).

(f) This permit was modified on May 24, 2012.

(g) This permit was renewed on October 1, 2013.

(h) This permit was modified on April 30, 2014.



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