COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: March 19, 2026 Effective Date: March 19, 2026
Expiration Date: February 28, 2031

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: 33-00002

Federal Tax Id - Plant Code: 22-2784144-19

Owner Information

Name: O-I GLASS, INC.
Mailing Address: 3831 ROUTE 219
BROCKPORT, PA 15823-3811

Plant Information

Plant: O-I GLASS, INC/OWENS BROCKWAY GLASS CONTAINER PLT 19
Location: 33 Jefferson County 33925 Snyder Township
SIC Code: 3221 Manufacturing - Glass Containers

Responsible Official

Name: IAN ERICKSON
Title: PLANT MANAGER, PLANT #19
Phone: (567) 336 - 3243 Email: ian.erickson@o-i.com

Permit Contact Person

Name: JOHN DESANTIS
Title: ENVIRONMENTAL MGR
Phone: (567) 336 - 3243 Email: john.desantis@o-i.com

[Signature] _____
LORI L. MCNABB, NORTHWEST REGION AIR PROGRAM MANAGER

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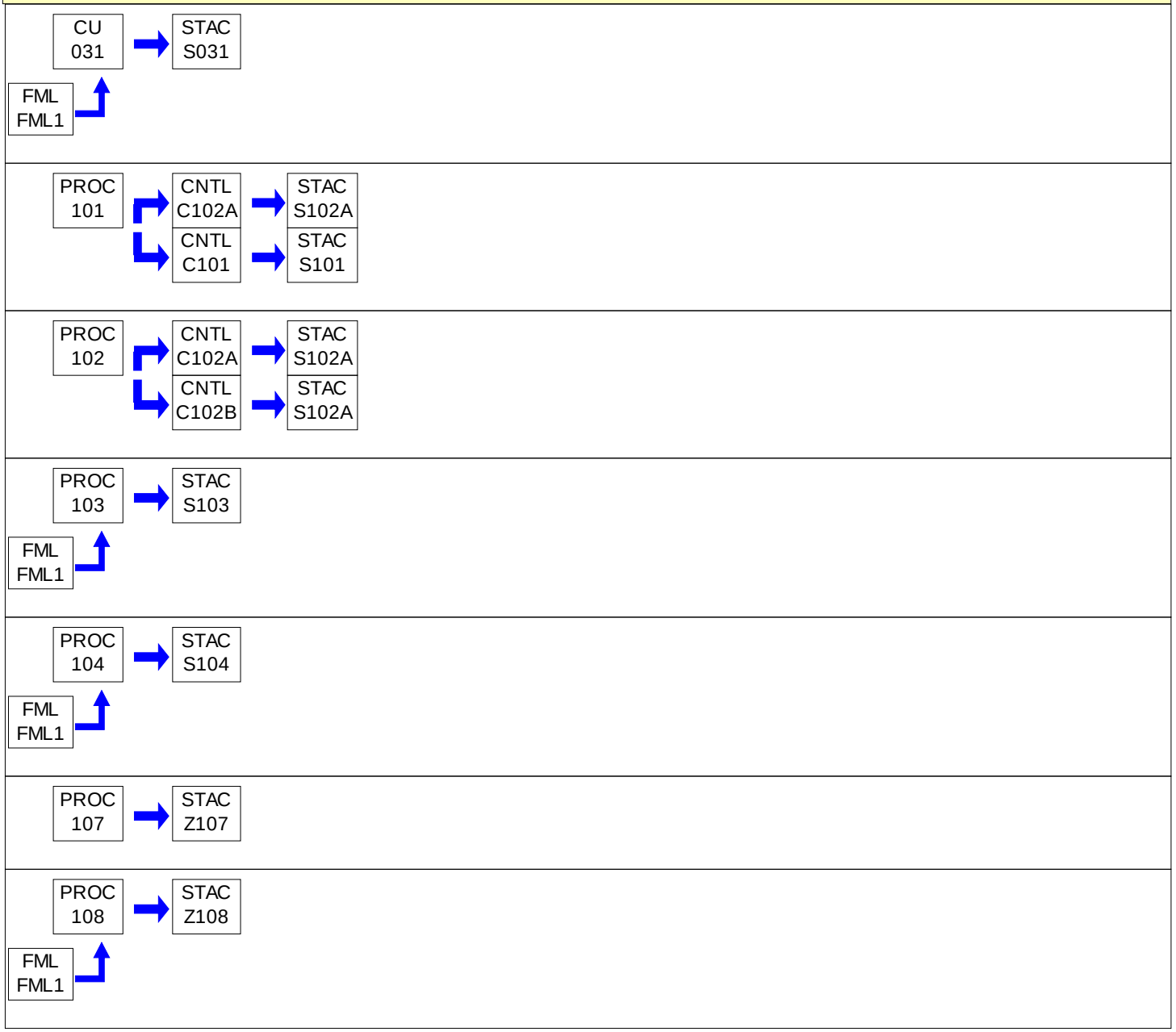
Source ID	Source Name	Capacity/Throughput		Fuel/Material
031	BOILER	10.000	MMBTU/HR	
		10.800	MCF/HR	Natural Gas
101	RAW MATERIAL HANDLING & STORAGE	30.000	Tons/HR	GLASS
102	BATCH GATHER & MIX	37.200	Tons/HR	SAND MIXTURE
103	GLASS FURNACE C	13.600	Tons/HR	GLASS
		69.360	MCF/HR	Natural Gas
104	GLASS FURNACE D	16.700	Tons/HR	GLASS
		84.660	MCF/HR	NATURAL GAS
107	CULLET HANDLING & STORAGE	7.200	Tons/HR	CULLET
108	REFINERS (2)	22.400	MCF/HR	Natural Gas
109	FOREHEARTHS (6)	24.480	MCF/HR	Natural Gas
110	ANNEALING LEHRS (6)	32.640	MCF/HR	Natural Gas
111	CONTAINER FORMING MACHINES (6)	23.300	Lbs/HR	LUBE SWAB
112	HOT END SURFACE TREATMENT	12.000	Lbs/HR	MBTT
113	MISC. NATURAL GAS COMBUSTION	48.960	MCF/HR	Natural Gas
114	FOUR PARTS CLEANING MACHINES	2.300	Lbs/HR	DEGREASER SOLVENT
115	ROAD FUGITIVES			
116	CENTRAL VACUUM SYSTEMS (2)			
117	DIESEL EMERGENCY GENERATOR, 450 HP	22.000	Gal/HR	Diesel Fuel
118	NATURAL GAS FUELED EMERGENCY GENERATORS (2), 30.2 HP & 11 HP	0.211	MMBTU/HR	Natural Gas
119	600 EKW CAT DIESEL EMERGENCY GENERATOR	35.400	Gal/HR	Diesel Fuel
C101	BAGHOUSES (11) VENT INSIDE			
C102A	BAGHOUSES (3)			
C102B	BAGHOUSE VENT INSIDE			
C112	HEST BAGHOUSE			
C112A	HEST ADDITIONAL BAGHOUSE			
C116	CENTRAL VACUUM SYSTEM BAGHOUSES (2)			
FML1	NATURAL GAS			
S031	BOILER STACK			
S101	RAW MATERIAL STACK			
S102A	BATCH MIX STACK			
S103	FURNACE "C" STACK			
S104	FURNACE "D" STACK			
S112	HEST STACK			
S116	STACK FOR CENTRAL VACUUM SYSTEM			
S117	STACK FROM DIESEL GENERATOR, 450 HP			
S118	STACK FROM NATURAL GAS EMERGENCY GENERATORS			
S119	600 EKW CAT EMERG GEN STACK			
Z107	CULLET FUGITIVES			
Z108	REFINERS FUGITIVES			

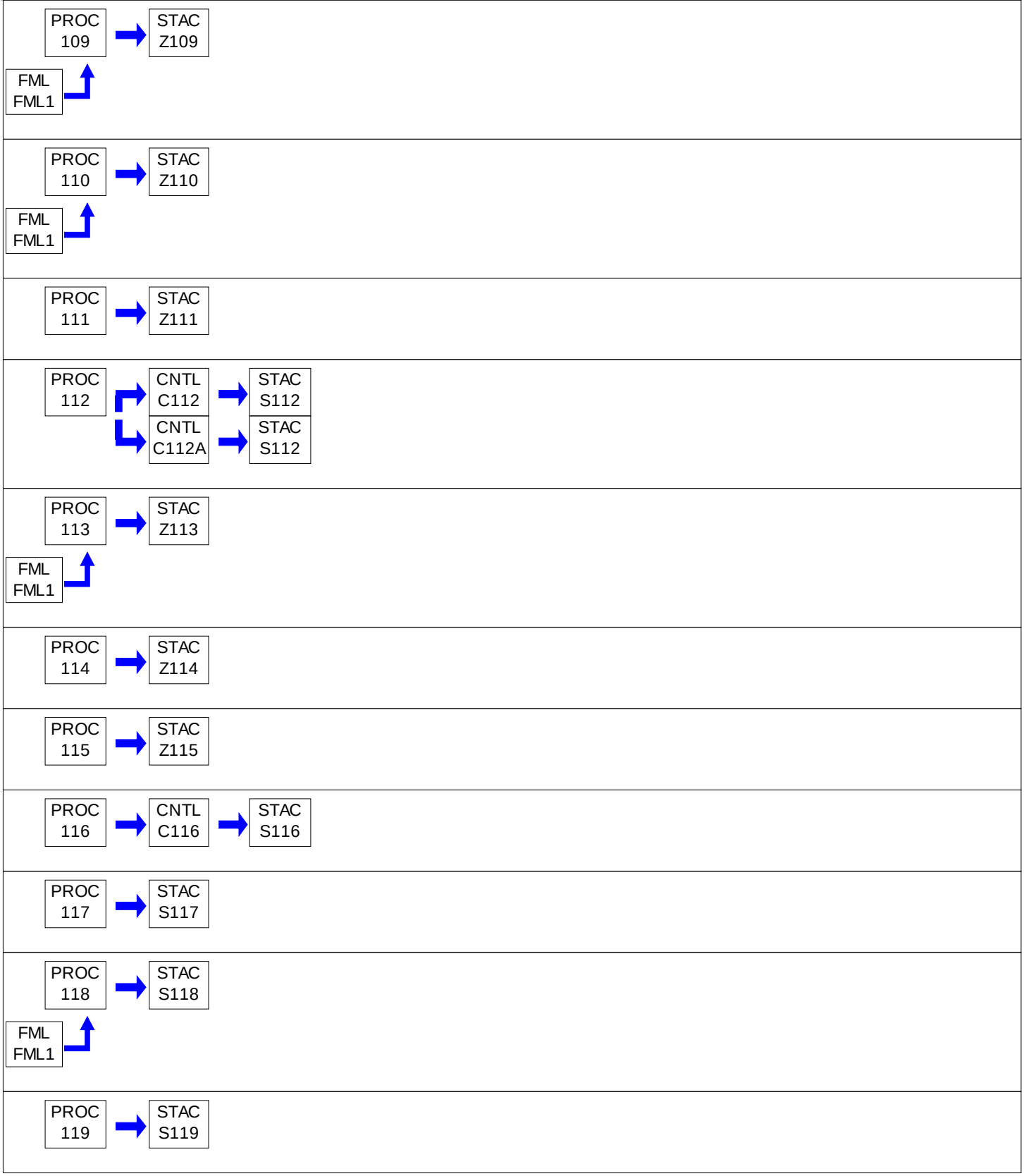
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z109	FOREHEARTHS FUGITIVES		
Z110	LEHRS FUGITIVES		
Z111	CONTAINER FORM. FUGITIVES		
Z113	MISC. COMBUST. FUGITIVES		
Z114	PARTS CLEANING		
Z115	ROAD FUGITIVE		

PERMIT MAPS



PERMIT MAPS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FML FML1
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PROC 112
CNTL C112
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STAC S112
PROC 113
STAC Z113
FML FML1
PROC 114
STAC Z114
PROC 115
STAC Z115
PROC 116
CNTL C116
STAC S116
PROC 117
STAC S117
PROC 118
STAC S118
FML FML1
PROC 119
STAC S119

SECTION B. General Title V Requirements

#001 [25 Pa. Code § 121.1]

Definitions

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

#002 [25 Pa. Code § 121.7]

Prohibition of Air Pollution

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

#003 [25 Pa. Code § 127.512(c)(4)]

Property Rights

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

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

Permit Expiration

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

#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e), 127.503 & 127.704(b)]

Permit Renewal

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

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

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

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

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

Transfer of Ownership or Operational Control

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

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

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit

SECTION B. General Title V Requirements

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.

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

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

Inspection and Entry

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

(1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

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

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

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

Compliance Requirements

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

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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

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#009 [25 Pa. Code § 127.512(c)(2)]

Need to Halt or Reduce Activity Not a Defense

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

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

Duty to Provide Information

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

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

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

Reopening and Revising the Title V Permit for Cause

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

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

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

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

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

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

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

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

#012 [25 Pa. Code § 127.543]

Reopening a Title V Permit for Cause by EPA

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

SECTION B. General Title V Requirements

#013 [25 Pa. Code § 127.522(a)]

Operating Permit Application Review by the EPA

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

R3_Air_Apps_and_Notices@epa.gov

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

#014 [25 Pa. Code § 127.541]

Significant Operating Permit Modifications

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

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

#015 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

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

R3_Air_Apps_and_Notices@epa.gov

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

#016 [25 Pa. Code § 127.450]

Administrative Operating Permit Amendments

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

R3_Air_Apps_and_Notices@epa.gov

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

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

#017 [25 Pa. Code § 127.512(b)]

Severability Clause

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

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

Fee Payment

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

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

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

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

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

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

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

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

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

Authorization for De Minimis Emission Increases

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

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

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

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

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NOx from a single source during the term of the permit and 5 tons of NOx 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

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oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM10 from a single source during the term of the permit and 3.0 tons of PM10 at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Reactivation of Sources

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

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

#021 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

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

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

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

Submissions

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

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

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

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

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

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

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

Sampling, Testing and Monitoring Procedures

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this

SECTION B. General Title V Requirements

permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

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

#024 [25 Pa. Code § 127.513]

Compliance Certification

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

#025 [25 Pa. Code §§ 127.511 & Chapter 135]

Recordkeeping Requirements

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

(1) The date, place (as defined in the permit) and time of sampling or measurements.

(2) The dates the analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of the analyses.

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

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

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

SECTION B. General Title V Requirements

#026 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]

Reporting Requirements

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

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

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

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

#027 [25 Pa. Code § 127.3]

Operational Flexibility

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

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

(5) Section 127.450 (relating to administrative operating permit amendments)

(6) Section 127.462 (relating to minor operating permit amendments)

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

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

Risk Management

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

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

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

SECTION B. General Title V Requirements

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

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

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

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

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

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

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

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

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

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

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#029 [25 Pa. Code § 127.512(e)]

Approved Economic Incentives and Emission Trading Programs

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

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

Permit Shield

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

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

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

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

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

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

SECTION B. General Title V Requirements

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

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

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

#031 [25 Pa. Code §135.3]

Reporting

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

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

#032 [25 Pa. Code §135.4]

Report Format

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

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

(a) No person may permit the emission into the outdoor atmosphere of 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) - (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 standards requirements]

(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]

 # 006 [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.

(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) - (5) [Not Applicable]

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

(7) A fire set solely for cooking food.

SECTION C. Site Level Requirements

(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 continue authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P.S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.]

II. TESTING REQUIREMENTS.

 # 007 [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 purposes including determining the correct emission fee malfunctions, or determining compliance with any applicable requirement.

III. MONITORING REQUIREMENTS.

 # 008 [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.

 # 009 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall conduct daily monitoring of the facility property during daylight hours, while the plant is in operation, to observe for the presence of fugitive emissions and abnormal visible emissions being emitted into the outdoor atmosphere.

(b) All detected fugitive and abnormal visible emissions shall be reported to the shift supervisor.

(c) All forms completed by the visible emissions observer shall be maintained by the permittee and made available upon

SECTION C. Site Level Requirements

request.

(d) For the purposes of this condition, the phrase "abnormal visible emissions" is defined as changes in the normal physical characteristics of the plume including but not limited to: changes in plume color, apparent increases in the density of the visible emissions, and puffing from the stack.

[The above conditions are not applicable to Sources 103 & 104 because both sources are equipped with continuous opacity monitoring systems (COMs).]

IV. RECORDKEEPING REQUIREMENTS.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records to demonstrate that the following sources are exempt from RACT II requirements: Sources 101, 102, 107, 111, 112, 113, 114, 115, & 116.

[Authority for this condition is also derived from 25 Pa. Code § 129.100(e) & (f). Records include the August 15, 2016 RACT II proposal letter sent by the permittee to the Department.]

 # 011 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall maintain a record of the monitoring conducted to determine the presence of fugitive and visible emissions.

(b) This recordkeeping shall contain a listing or notation of any and all sources of fugitive and visible emissions; the cause of the fugitive or visible emissions; duration of the emission; and the corrective action taken to abate the deviation and prevent future occurrences.

[The above conditions are not applicable to Sources 103 & 104 because both sources are equipped with continuous opacity monitoring systems (COMs).]

 # 012 [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 VOC or PM10 so long as the emission limitations of this 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.

V. REPORTING REQUIREMENTS.

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a)

(1) Except as specified in paragraph (a)(2), the permittee shall report to the Department by telephone within 24 hours of discovery of any malfunction(s) of a source(s) and/or associated pollution control device(s) which results in, or may possibly result in, the emission of air contaminants in excess of the restrictions specified in this operating permit.

(2) Emissions that are measured by a Department-certified continuous monitor or a continuous monitor installed, calibrated, certified, maintained, and operated in accordance with § 40 CFR 60.13, § 40 CFR Part 60, Appendix B (Performance Specification 2), and § 40 CFR Part 60, Appendix F (Quality Assurance Procedures) are not reportable under paragraph (a)(1). Reports of emissions from these continuous monitors are reported in conformance with the following: § 40 CFR 60.7(c); 25 Pa. Code § 129.309; and the Consent Decree, Case: 3:12-cv-02961.

(b) If the malfunction(s) poses an imminent danger to the public health, safety, welfare, or environment, the permittee shall report to the Department and the County Emergency Management Agency by telephone within one (1) hour of discovery.

(c) The permittee shall submit a written or e-mailed report of instances of malfunctions that are reportable under paragraph (a)(1) within three (3) working days of discovery. The report shall, at a minimum, describe the following:

SECTION C. Site Level Requirements

(1) Plant name, permit or authorization number, and location of the facility.

(2) Nature and cause(s) of the malfunction(s).

(3) Affected source(s) and/or associated air pollution control device(s).

(4) Date and time when the malfunction was first observed.

(5) Expected duration of excess emissions.

(6) Estimated rate of emissions.

(7) Corrective actions or preventive measures taken.

 # 014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For any changes in glass formulations that will involve addition of raw materials containing glass manufacturing metal HAPs, as defined in § 63.11459, the permittee must submit a Request for Determination (RFD) for this formulation change to determine applicability of or exemption from plan approval requirements.

 # 015 [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.

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11450]

Subpart SSSSSS - National Emission Standards for Hazardous Air Pollutants for Glass Manufacturing Area Sources

What are my compliance dates?

(d) If you own or operate a furnace that produces glass at an annual rate of at least 45 Mg/yr (50 tpy) and is not charged with glass manufacturing metal HAP, and you begin production of a glass product that includes one or more glass manufacturing metal HAP as raw materials, and you produce at least 45 Mg/yr (50 tpy) of this glass product, you must comply with the applicable emission limit specified in §63.11451 within 2 years of the date on which you introduced production of the glass product that contains glass manufacturing metal HAP.

[Paragraphs § 63.11450(a), (b), (c), & (e) are not applicable]

 # 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11456]

Subpart SSSSSS - National Emission Standards for Hazardous Air Pollutants for Glass Manufacturing Area Sources

What are the notification requirements?

(a) If you own or operate an affected furnace, as defined in §63.11449(a), you must submit an Initial Notification in accordance with §63.9(b) and paragraphs (a)(1) and (2) of this section by the dates specified.

SECTION C. Site Level Requirements

(1) As specified in §63.9(b)(2), if you start up your affected source before December 26, 2007, you must submit an Initial Notification not later than April 24, 2008 or within 120 days after your affected source becomes subject to the standard.

(2) [Not Applicable]

(b) [Not Applicable]

VI. WORK PRACTICE REQUIREMENTS.

 # 018 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

A person responsible for any source specified in Section C, 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.

[From: 25 Pa. Code §123.13(c)]

VII. ADDITIONAL REQUIREMENTS.

 # 019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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.

 # 020 [25 Pa. Code §129.96]

Applicability

(a) The NOx requirements of this section and § § 129.112—129.115 apply Statewide to the owner and operator of a major NOx emitting facility and the VOC requirements of this section and § § 129.112—129.115 apply Statewide to the owner and operator of a major VOC emitting facility that were in existence on or before July 20, 2012, for which a requirement or emission limitation, or both, has not been established in § § 129.51—129.52c, 129.54—129.63, 129.64—129.69, 129.71—129.75, 129.77, 129.101—129.107 and 129.301—129.310.

[Sources 103 & 104 were initially exempt from RACT II because they are subject to §§ 129.301 through 129.310; however, a new RACT analysis is required and the glass furnaces at the Brockway and Crenshaw plants are no longer exempt from NOx determinations under RACT III.]

(b) [Not Applicable]

SECTION C. Site Level Requirements

(c) This section and § § 129.112 —129.115 do not apply to the owner and operator of a NOx air contamination source located at a major NOx emitting facility that has the potential to emit less than 1 TPY of NOx or a VOC air contamination source located at a major VOC emitting facility that has the potential to emit less than 1 TPY of VOC.

[With individual NOx PTEs < 1 TPY, the following sources are exempt from RACT II NOx requirements: Sources 101, 102, 107, 111, 112, 113, 114, 115, & 116.]

(d) [Not Applicable]

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 09/30/2020 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

SECTION D. Source Level Requirements

Source ID: 031 Source Name: BOILER

Source Capacity/Throughput: 10.000 MMBTU/HR
10.800 MCF/HR Natural Gas

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

 # 002 [25 Pa. Code §123.22]

Combustion units

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

[Compliance with the requirement in this streamlined permit condition assures compliance with the provisions found in applicable requirement of 40 CFR 52.2020(c)(1)]

Fuel Restriction(s).

 # 003 [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.

 # 004 [25 Pa. Code §129.100]

Compliance demonstration and recordkeeping requirements.

(a) The owner and operator of an air contamination source subject to this section and § § 129.96—129.99 shall keep records to demonstrate compliance with § § 129.96—129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of § § 129.96—129.99 are met.

(2) [Not Applicable]

SECTION D. Source Level Requirements

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

[Paragraphs (a) & (b) of this conditions are 25 Pa. Code § 129.100(d) & (i), respectively.]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §129.112]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule

The permittee shall install, maintain and operate the source in accordance with the manufacturer's specificiations and with good operating practices.

[25 Pa. Code § 129.112(c) for sources meeting § 129.112(c)(4) - i.e., a boiler or other combustion source with an individual rated gross heat input less than 20 mmbtu/hr.]

VII. ADDITIONAL REQUIREMENTS.

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

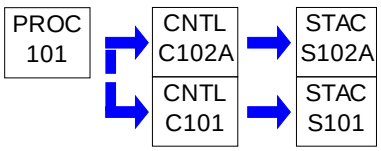
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 101 Source Name: RAW MATERIAL HANDLING & STORAGE

Source Capacity/Throughput: 30.000 Tons/HR GLASS

Conditions for this source occur in the following groups: PM CONTROL DEVICE REQTS



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

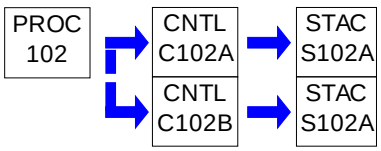
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 102 Source Name: BATCH GATHER & MIX

Source Capacity/Throughput: 37.200 Tons/HR SAND MIXTURE

Conditions for this source occur in the following groups: PM CONTROL DEVICE REQTS



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 103 Source Name: GLASS FURNACE C

Source Capacity/Throughput: 13.600 Tons/HR GLASS
69.360 MCF/HR Natural Gas

Conditions for this source occur in the following groups: CONSENT DECREE
RACT III
§ 60 SUBPART CC
§§ 129.301-129.310

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall not emit NOx exceeding 2.3 lb/ton of glass melted in this furnace (based on a 30-day rolling average).

[Compliance with this requirement assures compliance with the 4.0-lb/ton of glass pulled NOx limit of 25 PA Code 129.304(a)(1).]

(b) The permittee shall not emit NOx exceeding 125.93 tpy based on a 12-month rolling total.

(c) The permittee shall not emit SOx exceeding 2.55 lb/ton of glass melted in this furnace.

[Compliance with this requirement assures compliance with 25 PA Code 123.21.]

(d) Sulfur oxide emissions from Furnace C shall not exceed 148.4 tons per year, to be defined as any consecutive 12-month rolling period.

(e) The permittee shall not emit total PM (filterable & condensable), PM10 (filterable & condensable), & PM2.5 (filterable & condensable) exceeding 0.52 lb/ton of glass melted in this furnace.

[Compliance with this requirement assures compliance with 25 PA Code 123.13(b).]

(f) Particulate matter emissions from Furnace C shall not exceed 47.4 tons per year, to be defined as any consecutive 12-month rolling period.

[Compliance with paragraph (e) assures compliance with this requirement.]

(g) The permittee shall not emit CO exceeding 0.2 lb/ton of glass melted in this furnace.

(h) The permittee shall not emit VOC exceeding 0.2 lb/ton of glass melted in this furnace.

[The limits of this condition apply to Source 103 only & not facility-wide. Paragraphs (a), (b), (c), (e), (g), & (h) are emission limits of PA 33-002E, Condition #001. Paragraphs (d) & (f) are emission limits of PA 33-002B.]

SECTION D. Source Level Requirements

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.

Throughput Restriction(s).

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 33-002E]

Glass production from Furnace C shall be limited to109,500 tpy, to be defined as any consecutive 12-month rolling period.

II. TESTING REQUIREMENTS.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 33-002E]

(a) Within 60 days after achieving the normal production rate at which the affected source will be operated, but not later than 180 days after initial start-up of the source/control device, a stack test shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as stated on the application. The stack test shall be conducted for total particulate matter (both filterable and condensable), SOx, CO, and VOC. Compliance with the total particulate matter emission limit will show compliance with the PM10 and PM2.5 emission limits. The facility shall stack test for NOx at the same time unless the CEM is certified by the Department.

[The initial stack test is a one-time requirement and has already been met.]

(b) The permittee shall perform a stack test for total particulate matter (both filterable and condensable), CO, and VOC emission once every five (5) years, no less than 48 months from and no more than 60 months after the previous stack test. Compliance with the total particulate matter emission limit will show compliance with the PM10 and PM2.5 emission limits. The facility shall stack test for NOx at the same time unless the CEM is certified by the Department. If the initial testing from part (a) is conducted within 24 months of operating permit renewal, the initial test will fulfill this requirement.

[NOx stack testing is no longer required for this source because a fully certified CEMS is already installed & operated.]

(c) Source test submittals shall be as follows:

(1) [25 Pa. Code § 139.53(a)(3)] At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval in accordance with paragraph (8)(b). The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(2) [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 Department in accordance with paragraph (8)(b). Notification shall not be made without prior receipt of a protocol acceptance letter from the Department (Source Testing Section).

(3) [25 Pa. Code § 139.53(a)(3)] Within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification indicating the completion date of the on-site testing shall be sent to the Department in accordance with paragraph (8)(b).

(4) [40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g)] 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. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test.

SECTION D. Source Level Requirements

(5) [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 noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

(A) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.

(B) Permit number(s) and condition(s) which are the basis for the evaluation.

(C) Summary of results with respect to each applicable permit condition.

(D) Statement of compliance or non-compliance with each applicable permit condition.

(6) [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.

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

(8) Pursuant to 25 Pa. Code §§ 139.52(a)(1) and 139.53(a)(3), all submittals, besides notifications, shall be accomplished through PSIMS*Online, available through the following URL:
https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/ValidatePublicSubmission

If internet submittal cannot be accomplished, one electronic copy of all source test submissions shall be sent to both Central Office PSIMS Administrator and the Regional Air Quality Program Manager at the following e-mail addresses:

CENTRAL OFFICE:
RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:
RA-EPNWstacktesting@pa.gov

(d) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

(e) Actions Related to Noncompliance Demonstrated by a Stack Test:

(1) If the results of a stack test, performed as required by this approval, exceed the level specified in any condition of this approval, the Permitee shall take appropriate corrective actions. Within 30 days of the Permitee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permitee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permitee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permitee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(2) If the results of the required stack test exceed any limit defined in this plan approval, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the plan approval, then another stack test shall be performed to determine compliance. Within 120 days of the Permitee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permitee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the plan approval, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the plan approval may be grounds for immediate revocation of the plan approval to operate the affected source.

SECTION D. Source Level Requirements

[Paragraphs (a), (b), (d), & (e) of this condition are PA 33-002E, Source 103, Condition #004, paragraphs (a), (b), (a)(9), & (a)(10), respectively. Paragraph (c) of this condition is the revised source test submittals in accordance with Source Testing Section's instructions dated August 17, 2018.]

 # 005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source shall be stack tested at least once in every two years to demonstrate compliance with the SOx emission limits for this source. Stack testing shall be performed in accordance with 25 Pa. Code Chapter 139 for testing SOx emissions from stationary sources.

III. MONITORING REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Continuous opacity monitor (COM), requirements, as defined in Federal New Source Performance Standard, 40 CFR 60, Subpart CC, shall be implemented in accordance with the most recent version of the Department issued "Continuous Source Monitoring Manual" .

[From: Plan Approval # PA33002B, condition #19]

IV. RECORDKEEPING REQUIREMENTS.

 # 007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

To demonstrate compliance with plan approval-based emission limits for this source:

(a) The permittee shall maintain monthly records of emissions of NOx, SOx, and PM.

(b) To compute the 12-month rolling total for each pollutant, the permittee shall add the present monthly emission to the monthly emission total from the previous eleven (11) calendar months.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 104 Source Name: GLASS FURNACE D

Source Capacity/Throughput: 16.700 Tons/HR GLASS
84.660 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: CONSENT DECREE
RACT III
§ 60 SUBPART CC
§§ 129.301-129.310

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 or 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:

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

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.

E = 50 x 22.08 = 1104 Where F = 50 lbs/ton and W = 22.08 Tons/hr

A = .76 x 1104 ^.42 = 14.41 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 §127.12b]

Plan approval terms and conditions.

[Plan Approval 33-002D]

(a) The permittee shall not emit NOx exceeding 2.8 lb/ton of glass melted in this furnace based on a 30-day rolling average.

[Compliance with this requirement assures compliance with the 5.5-lb/ton of glass melted NOx limit established through RACT I and with the 4.0-lb/ton of glass pullted NOx limit of 25 PA Code 129.304(a)(1).]

(b) The permittee shall not emit NOx exceeding 204.4 tpy based on a 12-month rolling total.

SECTION D. Source Level Requirements

(c) The permittee shall not emit SOx exceeding 2.85 lb/ton of glass melted in this furnace.

(d) The permittee shall not emit SOx exceeding 208.05 tpy based on a 12-month rolling total.

(e) The permittee shall not emit total PM (filterable & condensable) exceeding 1.08 lb/ton of glass melted in this furnace.

(f) The permittee shall not emit total PM (filterable & condensable) exceeding 78.84 tpy based on a 12-month rolling total.

(g) The permittee shall not emit PM10 exceeding 1.08 lb/ton of glass melted in this furnace.

(h) The permittee shall not emit PM10 exceeding 78.84 tpy based on a 12-month rolling total.

(i) The permittee shall not emit PM2.5 exceeding 0.99 lb/ton of glass melted in this furnace.

(j) The permittee shall not emit PM2.5 exceeding 72.27 tpy based on a 12-month rolling total.

(k) The permittee shall not emit CO exceeding 0.2 lb/ton of glass melted in this furnace.

(l) The permittee shall not emit CO exceeding 14.6 tpy based on a 12-month rolling total.

(m) The permittee shall not emit VOC exceeding 0.2 lb/ton of glass melted in this furnace.

(n) The permittee shall not emit VOC exceeding 14.6 tpy based on a 12-month rolling total.

[The limits of this conditions apply to Source 104 only & not facility-wide.]

Fuel Restriction(s).

 # 004 [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.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 33-002D]

(a) Within 60 days after achieving the normal production rate at which the affected source will be operated, but not later than 180 days after initial start-up of the source/control device, a stack test shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as stated on the application. The stack test shall be conducted for total particulate matter (both filterable and condensable), SOx, PM10 and PM2.5. The facility shall stack test for NOx at the same time unless the CEM is certified by the Department.

[The initial stack test is a one-time requirement and has already been met.]

(b) The permittee shall perform a stack test for total particulate matter (both filterable and condensable), SOx, PM10, and PM2.5 once every five (5) years, no less than 48 months from and no more than 60 months after the previous stack test. The facility shall stack test for NOx at the same time unless the CEM is certified by the Department. However, the facility may conduct just total PM (Method 5 and 202) to show compliance with the different limits. If total PM testing does not show compliance with the PM2.5 limit, the facility will have to conduct actual PM2.5 testing (Method 201A and 202).

[NOx stack testing is no longer required for this source because a fully certified CEMS is already installed & operated. The 5-year SOx stack test requirement is streamlined out by the biennial SOx stack test requirement.]

SECTION D. Source Level Requirements

(c) Source test submittals shall be as follows:

(1) [25 Pa. Code § 139.53(a)(3)] At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval in accordance with paragraph (8)(b). The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(2) [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 Department in accordance with paragraph (8)(b). Notification shall not be made without prior receipt of a protocol acceptance letter from the Department (Source Testing Section).

(3) [25 Pa. Code § 139.53(a)(3)] Within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification indicating the completion date of the on-site testing shall be sent to the Department in accordance with paragraph (8)(b).

(4) [40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g)] 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. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test.

(5) [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 noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

(A) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.

(B) Permit number(s) and condition(s) which are the basis for the evaluation.

(C) Summary of results with respect to each applicable permit condition.

(D) Statement of compliance or non-compliance with each applicable permit condition.

(6) [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.

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

(8) Pursuant to 25 Pa. Code §§ 139.52(a)(1) and 139.53(a)(3), all submittals, besides notifications, shall be accomplished through PSIMS*Online, available through the following URL:
https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/ValidatePublicSubmission

If internet submittal cannot be accomplished, one electronic copy of all source test submissions shall be sent to both Central Office PSIMS Administrator and the Regional Air Quality Program Manager at the following e-mail addresses:

CENTRAL OFFICE:
RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:
RA-EPNWstacktesting@pa.gov

(d) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by

SECTION D. Source Level Requirements

default.

(e) Actions Related to Noncompliance Demonstrated by a Stack Test:

(1) If the results of a stack test, performed as required by this approval, exceed the level specified in any condition of this approval, the Permitee shall take appropriate corrective actions. Within 30 days of the Permitee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permitee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permitee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permitee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(2) If the results of the required stack test exceed any limit defined in this plan approval, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the plan approval, then another stack test shall be performed to determine compliance. Within 120 days of the Permitee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permitee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the plan approval, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the plan approval may be grounds for immediate revocation of the plan approval to operate the affected source.

[Paragraphs (a), (b), (d), & (e) of this condition are PA 33-002D, Source 103, Condition #003, paragraphs (a), (b), (a)(9), & (a)(10), respectively. Paragraph (c) of this condition is the revised source test submittals in accordance with Source Testing Section's instructions dated August 17, 2018.]

 # 006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source shall be stack tested at least once in every two years to demonstrate compliance with the SOx emission limits for this source. Stack testing shall be performed in accordance with 25 Pa. Code Chapter 139 for testing SOx emissions from stationary sources.

III. MONITORING REQUIREMENTS.

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Continuous opacity monitor (COM) requirements, as defined in § 40 CFR 60 Subpart CC, shall be implemented in accordance with the most recent version of the Department issued "Continuous Source Monitoring Manual".

IV. RECORDKEEPING REQUIREMENTS.

 # 008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

To demonstrate compliance with plan approval-based emission limits for this source:

(a) The permittee shall maintain monthly records of emissions of NOx, SOx, PM, CO, & VOC.

(b) To compute the 12-month rolling total for each pollutant, the permittee shall add the present monthly emission to the monthly emission total from the previous eleven (11) calendar months.

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

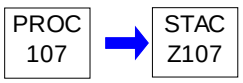
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION D. Source Level Requirements

Source ID: 107 Source Name: CULLET HANDLING & STORAGE

Source Capacity/Throughput: 7.200 Tons/HR CULLET



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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: 108 Source Name: REFINERS (2)

Source Capacity/Throughput: 22.400 MCF/HR Natural Gas

Conditions for this source occur in the following groups: COMBUSTION SOURCES

I. RESTRICTIONS.

Fuel Restriction(s).

 # 001 [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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

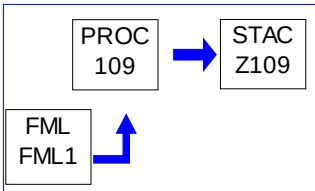
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 109 Source Name: FOREHEARTHS (6)

Source Capacity/Throughput: 24.480 MCF/HR Natural Gas

Conditions for this source occur in the following groups: COMBUSTION SOURCES



I. RESTRICTIONS.

Fuel Restriction(s).

 # 001 [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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

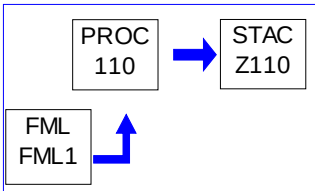
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 110 Source Name: ANNEALING LEHRS (6)

Source Capacity/Throughput: 32.640 MCF/HR Natural Gas

Conditions for this source occur in the following groups: COMBUSTION SOURCES



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 111 Source Name: CONTAINER FORMING MACHINES (6)

Source Capacity/Throughput: 23.300 Lbs/HR LUBE SWAB

PROC 111 → STAC Z111

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 §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall keep a monthly record of consumption of pounds of Lube Swab in this source. The present month record shall be added with previous 11-months record to get 12-months rolling total.

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.

(a) The facility shall maintain this source in accordance with the manufacturer's specification and good air pollution control practice.

(b) The facility shall keep the purchase order or invoice of Lube Swab to meet the recordkeeping requirement above.

VII. ADDITIONAL REQUIREMENTS.

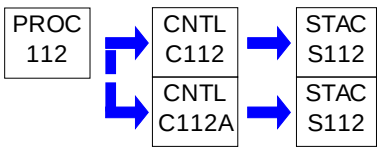
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

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

SECTION D. Source Level Requirements

Source ID: 112 Source Name: HOT END SURFACE TREATMENT

Source Capacity/Throughput: 12.000 Lbs/HR MBTT



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall not exceed the following emission limits for the source as measured at the outlet of the baghouse (C112 or C112A, whichever control device is used):

(a) Particulate matter emissions shall not exceed 0.02 gr/dscf, 0.9 lbs/hr, and 4.0 TPY (based on a 12-month rolling total).

(b) Ammonia emissions shall be less than 250 ppm, 2.8 lbs/hr, and 12.3 TPY (based on a 12-month rolling total).

(c) VOC emissions shall not exceed 0.8 lbs/hr and 3.2 TPY (based on a 12-month rolling total).

(d) HCL emissions shall not exceed 0.025 lbs/hr and 0.1 TPY(based on a 12-month rolling total).

[Conditions (a) and (b) from Plan Approval 33-309-0017A. Compliance with Condition (a) assures compliance with 25 Pa. Code § 123.13's 0.04-gr/dscf limit.]

[Conditions (c) and (d) from Plan Approval 33-002C.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall monitor weekly the concentration and flow rate of ammonia by colorimetric detector or equivalent method approved by the Department.

[From: Plan Approval 33-309-0017A]

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall maintain a record of all preventative maintenance inspections of the control devices (C112 and C112A). These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problem or defects, and any routine maintenance performed.

(b) The permittee shall maintain a record of the following from the operational inspections:

(1) Pressure drop across the control devices (C112 and C112A),

SECTION D. Source Level Requirements

(2) Mono-butyltin trichloride (MBTT) addition rate,

(3) Ammonia injection rate.

[From:Plan Approval 33-002C]

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall maintain records of the weekly ammonia monitoring for a period of at least 5 years.

[From: Plan Approval 33-002C and TV Operating Permit 33-00002]

V. REPORTING REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall notify the Department within 24 hours when the measured ammonia concentration from the exhaust of the baghouse is greater than 250 ppm as determined by the weekly monitoring specified in Condition #002 for this source.

[Compliance with this condition assures compliance with PA 33-002C, Condition #006 for this source.]

VI. WORK PRACTICE REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall perform a daily operational inspection of the source and control devices when in operation.

(b) A magnehelic gauge or equivalent shall be permanently installed and maintained at a convenient location to indicate the pressure drop across the control devices.

(c) All gauges employed (pressure drop across the control devices, MBTT addition rate, and ammonia injection rate) shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

(d) The permittee shall operate the control devices (C112 or C112A) at all times that the source is in operation. Ammonia shall be supplied at a rate slightly above the stoichiometric amount to ensure a complete reaction (where the MBTT goes from a VOC to a solid for particulate matter removal in the baghouse).

(e) The permittee shall maintain and operate the source and control devices in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[From: Plan Approval 33-002C]

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall perform weekly preventive maintenance inspection of the control devices.

[From: Plan Approval 33-002C]

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Established as required by PA 33-002C:

(a) The pressure drop across the baghouse (C112 or C112A) shall not exceed 10 inches w.g.

(b) The ammonia injection rate shall be less than 250 ppm.

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 113 Source Name: MISC. NATURAL GAS COMBUSTION

Source Capacity/Throughput: 48.960 MCF/HR Natural Gas

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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: 114 Source Name: FOUR PARTS CLEANING MACHINES

Source Capacity/Throughput: 2.300 Lbs/HR DEGREASER SOLVENT

PROC 114 → STAC Z114

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 001 [25 Pa. Code §129.63]

Degreasing operations

(a) Cold cleaning machines. Except for those subject to the Federal National emissions standards for hazardous air pollutants (NESHAP) for halogenated solvent cleaners under 40 CFR Part 63 (relating to National emission standards for hazardous air pollutants for source categories), this subsection applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

(1) Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.

(2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). In addition, the label shall include the following discretionary good operating practices:

(A) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.

(B) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.

SECTION D. Source Level Requirements

(C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

(ii) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

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

(i) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

(ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

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

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

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

(4) After December 22, 2002, a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(5) On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

(i) The name and address of the solvent supplier.

(ii) The type of solvent including the product or vendor identification number.

(iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

(6) A person who operates a cold cleaning machine shall maintain for at least 5 years and shall provide to the Department, on request, the information specified in paragraph (5). An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

(7) Paragraph (4) does not apply:

(i) To cold cleaning machines used in extreme cleaning service.

(ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.

(iii) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

(b) - (e) [Not Applicable]

VII. ADDITIONAL REQUIREMENTS.

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

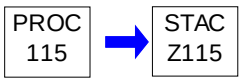
SECTION D. Source Level Requirements

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

SECTION D. Source Level Requirements

Source ID: 115 Source Name: ROAD FUGITIVES

Source Capacity/Throughput:



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

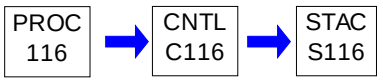
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 116 Source Name: CENTRAL VACUUM SYSTEMS (2)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: PM CONTROL DEVICE REQTS



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

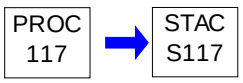
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 117 Source Name: DIESEL EMERGENCY GENERATOR, 450 HP

Source Capacity/Throughput: 22.000 Gal/HR Diesel Fuel

Conditions for this source occur in the following groups: § 63 SUBPART ZZZZ



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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 118 Source Name: NATURAL GAS FUELED EMERGENCY GENERATORS (2), 30.2 HP & 11 HP

Source Capacity/Throughput: 0.211 MMBTU/HR Natural Gas

Conditions for this source occur in the following groups: § 63 SUBPART ZZZZ

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 119 Source Name: 600 EKW CAT DIESEL EMERGENCY GENERATOR

Source Capacity/Throughput: 35.400 Gal/HR Diesel Fuel

PROC 119 → STAC S119

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 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.

 # 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal co

(a) [Not applicable]

(b) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in §60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

[Below are the emission standards pursuant to 40 CFR part 1039, appendix I, as referenced in § 60.4202(a)(2). This source is an engine certified to meet EPA's § 60 Subpart IIII, Tier 2 (model 2006 & later) exhaust emissions.

(1) PM emission of 0.2 g/kwh
(2) CO emission of 3.5 g/kwh
(3) NOx + NMHC emissions of 6.4 g/kwh]

(c) - (f) [Not appliable]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011; 86 FR 34358, June 29, 2021]

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine

Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in §§ 60.4204 and 60.4205 over the entire life of the engine.

[76 FR 37969, June 28, 2011]

SECTION D. Source Level Requirements

Fuel Restriction(s).

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject t

(a) [Reserved]

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

(c) [Reserved]

(d) - (e) [Not applicable]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011; 78 FR 6695, Jan. 30, 2013; 85 FR 78463, Dec. 4, 2020]

Operation Hours Restriction(s).

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?

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

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

(2) You may operate your emergency stationary ICE for the purpose specified in paragraph (f)(2)(i) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

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

(ii)-(iii) [Reserved]

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

(i) [Not applicable]

(ii) [Reserved]

[For other applicable provisions of this section, see VI. Work Practice Requirements.]

SECTION D. Source Level Requirements

[71 FR 39172, July 11, 2006, as amended at 76 FR 37970, June 28, 2011; 78 FR 6695, Jan. 30, 2013; 81 FR 44219, July 7, 2016; 86 FR 34359, June 29, 2021; 87 FR 48605, Aug. 10, 2022]

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.

 # 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?

If you are an owner or operator, you must meet the monitoring requirements of this section. In addition, you must also meet the monitoring requirements specified in § 60.4211.

(a) If you are an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.

(b) [Not applicable]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011]

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.

 # 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?

(a) [Not applicable]

(b) If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

(c) - (e) [Not applicable]

(f) Beginning on February 26, 2025, within 60 days after the date of completing each performance test required by this subpart, you must submit the results of the performance test required under this section following the procedures specified in paragraphs (f)(1) and (2) of this section.

(1) Data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT website (https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert) at the time of the test. Submit the results of the performance test to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI), according to paragraph (g) of this section. The data must be submitted in a file format generated using the EPA's ERT.

SECTION D. Source Level Requirements

Alternatively, you may submit an electronic file consistent with the extensible markup language (XML) schema listed on the EPA's ERT website.

(2) Data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the test. The results of the performance test must be included as an attachment in the ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the ERT generated package or alternative file to the EPA via CEDRI according to paragraph (g) of this section.

(g) If you are required to submit notifications or reports following the procedure specified in this paragraph (g), you must submit notifications or reports to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI), which can be accessed through the EPA's Central Data Exchange (CDX) (https://cdx.epa.gov/). The EPA will make all the information submitted through CEDRI available to the public without further notice to you. Do not use CEDRI to submit information you claim as CBI. Although we do not expect persons to assert a claim of CBI, if you wish to assert a CBI claim for some of the information in the report or notification, you must submit a complete file in the format specified in this subpart, including information claimed to be CBI, to the EPA following the procedures in paragraphs (g)(1) and (2) of this section. Clearly mark the part or all of the information that you claim to be CBI. Information not marked as CBI may be authorized for public release without prior notice. Information marked as CBI will not be disclosed except in accordance with procedures set forth in 40 CFR part 2. All CBI claims must be asserted at the time of submission. Anything submitted using CEDRI cannot later be claimed CBI. Furthermore, under CAA section 114(c), emissions data is not entitled to confidential treatment, and the EPA is required to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available. You must submit the same file submitted to the CBI office with the CBI omitted to the EPA via the EPA's CDX as described earlier in this paragraph (g).

(1) The preferred method to receive CBI is for it to be transmitted electronically using email attachments, File Transfer Protocol, or other online file sharing services. Electronic submissions must be transmitted directly to the OAQPS CBI Office at the email address oaqpscbi@epa.gov, and as described in paragraph (g) of this section, should include clear CBI markings. ERT files should be flagged to the attention of the Group Leader, Measurement Policy Group; all other files should be flagged to the attention of the Stationary Compression Ignition Internal Combustion Engine Sector Lead. If assistance is needed with submitting large electronic files that exceed the file size limit for email attachments, and if you do not have your own file sharing service, please email oaqpscbi@epa.gov to request a file transfer link.

(2) If you cannot transmit the file electronically, you may send CBI information through the postal service to the following address: OAQPS Document Control Officer (C404-02), OAQPS, U.S. Environmental Protection Agency, 109 T.W. Alexander Drive, P.O. Box 12055, Research Triangle Park, North Carolina 27711. ERT files should be sent to the attention of the Group Leader, Measurement Policy Group, and all other files should be sent to the attention of the Stationary Compression Ignition Internal Combustion Engine Sector Lead. The mailed CBI material should be double wrapped and clearly marked. Any CBI markings should not show through the outer envelope.

(h) If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of EPA system outage for failure to timely comply with that reporting requirement. To assert a claim of EPA system outage, you must meet the requirements outlined in paragraphs (h)(1) through (7) of this section.

(1) You must have been or will be precluded from accessing CEDRI and submitting a required report within the time prescribed due to an outage of either the EPA's CEDRI or CDX systems.

(2) The outage must have occurred within the period of time beginning five business days prior to the date that the submission is due.

(3) The outage may be planned or unplanned.

(4) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

(5) You must provide to the Administrator a written description identifying:

(i) The date(s) and time(s) when CDX or CEDRI was accessed and the system was unavailable;

(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to EPA system outage;

(iii) A description of measures taken or to be taken to minimize the delay in reporting; and

(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

(6) The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

SECTION D. Source Level Requirements

(7) In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved.

(i) If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of force majeure for failure to timely comply with that reporting requirement. To assert a claim of force majeure, you must meet the requirements outlined in paragraphs (i)(1) through (5) of this section.

(1) You may submit a claim if a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning five business days prior to the date the submission is due. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage).

(2) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

(3) You must provide to the Administrator:

(i) A written description of the force majeure event;

(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event;

(iii) A description of measures taken or to be taken to minimize the delay in reporting; and

(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

(4) The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

(5) In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs.

(j) Any records required to be maintained by this subpart that are submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

[71 FR 39172, July 11, 2006, as amended at 78 FR 6696, Jan. 30, 2013; 81 FR 44219, July 7, 2016; 87 FR 48606, Aug. 10, 2022; 89 FR 70512, Aug. 30, 2024]

VI. WORK PRACTICE REQUIREMENTS.

 # 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following, except as permitted under paragraph (g) of this section:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR part 1068, as they apply to you.

(b) [Not applicable]

(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in § 60.4204(b) or § 60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in § 60.4205(c), you must comply by purchasing an engine certified to the emission standards in § 60.4204(b), or § 60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section.

(d) - (e) [Not applicable]

SECTION D. Source Level Requirements

(f) [See I. Restrictions, Operating Hour Restrictions for this source]

(g) If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as follows:
(1) [Not applicable]
(2) If you are an owner or operator of a stationary CI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.
(3) If you are an owner or operator of a stationary CI internal combustion engine greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer. You must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

(h) [Not applicable]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37970, June 28, 2011; 78 FR 6695, Jan. 30, 2013; 81 FR 44219, July 7, 2016; 86 FR 34359, June 29, 2021; 87 FR 48605, Aug. 10, 2022]

VII. ADDITIONAL REQUIREMENTS.

 # 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Am I subject to this subpart?

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in paragraphs (a)(1) through (4) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.
(1) [Not applicable]
(2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are:
(i) Manufactured after April 1, 2006, and are not fire pump engines, or
(ii) [Not applicable]
(3) [Not applicable]
(4) The provisions of § 60.4208 of this subpart are applicable to all owners and operators of stationary CI ICE that commence construction after July 11, 2005.

(b) - (e) [Not applicable]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37967, June 28, 2011; 86 FR 34357, June 29, 2021]

 # 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4218]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What parts of the General Provisions apply to me?

(a) Table 8 to this subpart shows which parts of the General Provisions in §§ 60.1 through 60.19 apply to you.

SECTION D. Source Level Requirements

(b) The provisions of 40 CFR 1068.10 and 1068.11 apply for engine manufacturers. For others, the general confidential business information (CBI) provisions apply as described in 40 CFR part 2.

[88 FR 4471, Jan. 24, 2023]

 # 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4219]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What definitions apply to this subpart?

As used in this subpart, all terms not defined herein shall have the meaning given them in the CAA and in subpart A of this part.

[For a complete list of terms defined in this subpart, refer to Title 40 - Protection of Environment online at https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-IIII]

 # 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §Subpart IIII for Reg 40 Part 60 Table 8]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Applicability of General Provisions to Subpart IIII

The permittee shall comply with the applicable General Provisions as outlined in § 40 CFR 60 Subpart IIII - Table 8.

[For Table 8 of § 60 Subpart IIII, please refer to Title 40 - Protection of Environment online at https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-IIII]

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

SECTION E. Source Group Restrictions.

Group Name: COMBUSTION SOURCES

Group Description: Requirements for refiner, forehearths, & lehrs

Sources included in this group

ID	Name
108	REFINERS (2)
109	FOREHEARTHS (6)
110	ANNEALING LEHRS (6)

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 §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain the proposed monthly record including:

(1) Month of maintenance inspection

(2) Year of maintenance inspection

(3) Unit identification

(4) Unit condition and inspection comments

(5) Inspector's signature

(b) The permittee shall keep sufficient records to demonstrate compliance with applicable RACT III presumptive work requirement (see 25 Pa. Code § 129.112 for this source group).

(c) Records required in this conditions shall be retained for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written receipt.

[Authority for this condition is also derived from 25 Pa.Code § 129.115(f)(l) and (k).]

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 conduct a monthly inspection of the following sources:

Source Numbers: 108(Refiners),109(Forehearths) and 110(Annealing Lehrs).

SECTION E. Source Group Restrictions.

 # 003 [25 Pa. Code §129.97]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.

The permittee shall install, maintain and operate the source in accordance with the manufacturer's specificiations and with good operating practices.

[25 Pa. Code § 129.112(c)(for sources meeting § 129.112(c)(4) - i.e., a boiler or other combustion source with an individual rated gross heat input less than 20 mmbtu/hr.]

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: CONSENT DECREE

Group Description: Applicable paragraphs of the Consent Decree, Case: 3:12-cv-02961

Sources included in this group

ID	Name
103	GLASS FURNACE C
104	GLASS FURNACE D

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Paragraph (7) of the Consent Decree, Case: 3:12-cv-02961. Paragraph (c) of this condition is Consent Decree, Paragraph (7)(d). Paragraphs (a) & (b) of this conditions are final NOx limits based on Consent Decree, Paragraph (7)(b).]

Final NOx Emission Limits:

(a) [Streamlined out. The Consent Decree's NOx limit for Furnace C is implemented as the NOx limit in PA 33-002E (Source 103, Section D, Condition #001(a)).]

(b) [Streamlined out. The Consent Decree's NOx limit for Furnace D is implemented as the NOx limit in PA 33-002D (Source 104, Section D, Condition #003(a)).]

(c) Compliance with the interim and final NOX emission limits for Furnace C and D (above) shall be demonstrated using emissions data generated by the NOX CEMS and shall be measured as a 30-Day Rolling Average Emission Rate. NOX CEMS data shall be used to calculate all subsequent daily emission rates that are used to calculate the 30-Day Rolling Average Emission Rate. Owens-Brockway's compliance with the interim NOX emission limits during Abnormally Low Production Rate Days; a Furnace Startup; a Malfunction of the Furnace; and Maintenance of the Furnace shall be measured in accordance with the following paragraphs.

(1) NOx Limit During Abnormally Low Production Rate Days. When a Furnace(s) is Operating at an Abnormally Low Production Rate, Owens-Brockway may exclude the emissions generated during that Operating Day (or Days) from that Furnace from the 30-day Rolling Average Emission Rate. During the Day(s) excluded from the 30-day Rolling Average Emission Rate, a CEMS shall be used to demonstrate that Furnace's compliance with the following pound per day NOX limit on a 24-hour Block Average:

NOx OEAS Abn =E (lb NOx)/ton × [P/0.35]

Where: NOX OEAS Abn= NOX emission limit (in pounds per day) for an OEAS-Equipped Furnace during an Abnormally Low Production Rate Day.
E = Furnace-specific Emission Limit (interim or final) as applicable.
P = Furnace-specific abnormally low production rate day threshold, in tons of glass produced per Day.

(2) NOx Limits During Furnace Startup.

(a) Initial Heating Phase Operational Limit. During the Initial Heating Phase of a Furnace Startup, Owens-Brockway shall burn no more than 8 million standard cubic feet of natural gas in that Furnace.

(b) Refractory Soak and Seal Phase Operational Limits. During the Refractory Soak and Seal Phase of a Furnace Startup, Owens-Brockway shall comply with the following requirements to limit NOX emissions:

(i) Owens-Brockway shall burn no more than 80 million standard cubic feet natural gas in that Furnace;

(ii) Owens-Brockway shall limit excess oxygen to below 5 percent, as measured and recorded by the oxygen sensor located in the crown of each furnace regenerator at least once per shift;

SECTION E. Source Group Restrictions.

(iii) Owens-Brockway shall limit Hot Spot Temperature to 2900 degrees Fahrenheit; and

(iv) Owens-Brockway shall use thermal blankets or similar techniques to minimize air infiltration until all Furnace expansion joints are sufficiently closed.

(c) Furnace Stabilization Phase Operational Limits. During the Furnace Stabilization Phase of a Furnace Startup, Owens-Brockway shall comply with the following requirements to limit NOX emissions:

(i) Owens-Brockway shall burn no more than fifty (50) million standard cubic feet natural gas in that Furnace;

(ii) Owens-Brockway shall limit excess oxygen to below 5 percent as measured and recorded by the oxygen sensor located in the crown of each furnace regenerator at least once per shift; and

(iii) Owens-Brockway shall limit Hot Spot Temperature to 2900 degrees Fahrenheit.

(3) NOx Limit During Furnace Malfunction. For any Operating Day during which a Malfunction of a Furnace occurs, Owens-Brockway may exclude the emissions generated during that Operating Day (or Days) from that Furnace from the applicable 30-day Rolling Average Emission Rate. During the Day(s) excluded from the 30-day Rolling Average Emission Rate, a CEMS shall be used to demonstrate Owens-Brockway's compliance with the following pound per day NOX limit on a 24-hour Block Average:

NOx OEAS Mal =3 × NOx OEAS Abn

Where: NOX OEAS Malf = NOX emission limit (in pounds per day) for an OEAS-Equipped Furnace during a Malfunction Day.

NOX OEAS Abn = NOx limit during abnormally low production rate days , NOX emission limit (in pounds per day) for an OEAS-Equipped Furnace during an Abnormally Low Production Rate Day.

(4) NOx Limit During Maintenance. For any Operating Day when Maintenance of a Furnace is performed, Owens-Brockway may exclude the emissions generated during that Operating Day (or Days) from that Furnace from the 30-day Rolling Average Emission Rate. During the Day(s) excluded from the 30-day Rolling Average Emission Rate, a CEMS shall be used to demonstrate that Furnace's compliance with the following pound per day NOX limit on a 24-hour Block Average:

NOx OEAS Maint =(MH×[3 × NOx OEAS Abn)]) / 24+(NH×[NOx OEAS Abn]) / 24

Where: NOX OEAS Maint = NOX emission limit (in pounds per day) for an OEAS-Equipped Furnace during a Maintenance Day.

NOX OEAS Abn = NOx limit during abnormally low production rate days, NOX emission limit (in pounds per day) for an OEAS-Equipped Furnace during an Abnormally Low Production Rate Day.

MH = Hours of Maintenance
NH = Normal Hours = 24 – MH

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Paragraph (10) of the Consent Decree, Case: 3:12-cv-02961. The Consent Decree did not establish SO2 emissions limits for these two furnaces. The SO2 CEMS are required for the Consent Decree only, required certification under § 40 CFR 60 only, & did not require PADEP CSMM8 certification.]

SECTION E. Source Group Restrictions.

CEMS – Installation, Calibration, Certification, Maintenance, and Operation.

(a) For Furnace C and D, Owens-Brockway shall install, calibrate, certify, maintain, and Operate NOX CEMS and SO2 CEMS by no later than Jan 1, 2013 in accordance with the requirements specified in subparagraphs (b)- (d).

(b) Owens-Brockway shall install, calibrate, certify, maintain, and operate all NOX and SO2 CEMS in accordance with the requirements specified in sub-paragraphs (b)-(d) as follows:

(i) NOX and SO2 CEMS shall continuously monitor and record the hourly NOX and SO2 emission concentrations (in parts per million) during each Operating Day at each Furnace (or Furnaces where more than one Furnace subject to the same emission limit is routed through a common exhaust stack); and

(ii) NOX and SO2 CEMS shall be installed, calibrated, certified, maintained, and operated in accordance with 40 C.F.R. § 60.13, 40 C.F.R. Part 60, Appendix B (Performance Specification 2), and 40 C.F.R. Part 60, Appendix F (Quality Assurance Procedures).

(iii) Events that will trigger subsequent CEMS Certification (or re-Certification) include any Furnace Startup. Owens-Brockway shall perform CEMS Certification or re-Certification by no later than thirty (30) Days after the Furnace Startup period concludes (but by no later than seventy (70) Days after Furnace Startup commences).

(c) Where the Consent Decree requires the use of CEMS to determine compliance with an emission rate (i.e., pounds per ton or tons per year), Owens-Brockway shall either:

(i) Comply with the requirements set forth above in Paragraph b. for the CEMS and use an EPA-approved method for calculating flow. Where an emission limit is expressed in pounds of pollutant per ton of glass produced/pulled, the data acquisition and handling system for the CEMS shall convert the ppm values into pounds per hour values in conjunction with the EPA-approved flow method calculation. At the end of each Operating Day, the data acquisition and handling system shall divide the total daily emissions in pounds per day for valid CEMS hourly data by the total tons of glass produced/pulled during the Operating Day (reduced proportionally based on the valid CEMS data hours) to describe the pound per ton emission rate for the Operating Day. The resulting number shall be recorded in units of pounds of pollutant per ton of glass produced/pulled for the applicable Operating Day; or

(ii) Install, calibrate, certify, maintain, and operate NOX and SO2 Continuous Emission Rate Monitoring System (CERMS) as follows:

(1) The CERMS shall be installed, calibrated, certified, maintained, and operated in accordance with 40 C.F.R. § 60.13, 40 C.F.R. Part 60, Appendix B (Performance Specification 6), and 40 C.F.R. Part 60, Appendix F (Quality Assurance Procedures);

(2) Owens-Brockway must comply with all monitoring, recordkeeping, and reporting requirements in 40 C.F.R. § 60.13 and 40 C.F.R. Part 60, Appendix B (Performance Specification 6); and

(3) Where an emission limit is expressed in pounds of pollutant per ton of glass produced/pulled, the data acquisition and handling system for the CEMS shall convert the ppm values into pound per hour values in conjunction with the CERMS. At the end of each Operating Day, the data acquisition and handling system shall divide the total daily emissions in pounds per day for valid CEMS hourly data by the total tons of glass produced/pulled during the Operating Day (reduced proportionally based on the valid CEMS data hours) to describe the pound per ton emission rate for the Operating Day. The resulting number shall be recorded in units of pounds of pollutant per ton of glass produced/pulled for the applicable Day.

(d) CEMS Certification and CEMS Certification Events. Owens-Brockway shall not perform CEMS Certification or CEMS re-Certifications during Abnormally Low Production Rate Days, the Initial Heating Phase and Refractory Soak and Seal Phase of Furnace Startup, a Malfunction, or Maintenance. By no later than the first Operating Day after any CEMS Certification Event concludes at a Furnace, a new CEMS Certification or CEMS re-Certification shall be performed for that Furnace. If a CEMS Certification Event occurs at any Furnace, the requirement to demonstrate compliance continuously with the applicable final NOX or SO2 emission limit for that Furnace will be suspended until CEMS Certification or CEMS re-

SECTION E. Source Group Restrictions.

Certification is complete (provided that the seven-day test required for CEMS Certification is commenced on the first Operating Day following the conclusion of the CEMS Certification Event).

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Paragraph (15) of the Consent Decree, Case: 3:12-cv-02961.]

Recordkeeping.

(a) For any Operating Day(s) that Owens-Brockway excludes from the relevant 30-day Rolling Average Emission Rate, it shall record: 1) the date; 2) the relevant exception pursuant to which Owens-Brockway is excluding the emissions generated during that Operating Day (or Days) (i.e. Abnormally Low Production Rate Day, Furnace Startup, Malfunction, or Maintenance, or Furnace Maintenance); 3) a calculation of the applicable emission limit (in pounds of NOX and/or SO2 per day) according to the equations listed above [regarding the Interim and Final Limits for Furnaces C and D]; and 4) the emissions recorded by the CEMS (in pounds of NOX and/or SO2 per day). For any Operating Day(s) excluded for Maintenance of a Furnace, Owens-Brockway shall also record the total number of hours during which Maintenance occurred.

(b) Recordkeeping During Furnace Startup. In addition to the recordkeeping requirements listed above, Owens-Brockway must also keep the following records during Furnace Startup.

i. For All Furnace Startup Phases. The amount of sulfur added to the batch materials in pounds per ton of total batch material (including cullet);

ii. For the Initial Heating Phase. The total natural gas usage in that Furnace (in million standard cubic feet);

iii. For the Refractory Soak and Seal Phase:

1. The total natural gas usage in that Furnace (in million standard cubic feet);

2. The excess oxygen percentage (as measured and recorded by the oxygen sensor in the crown of each furnace regenerator at least once per shift);

3. Any Hot Spot Temperature (measured at least once per shift); and

4. A certified statement asserting whether thermal blankets or similar techniques were used during this period;

iv. For the Furnace Stabilization Phase:

1. The total natural gas usage in that Furnace (in million standard cubic feet);

2. The excess oxygen percentage (as measured and recorded by the oxygen sensor in the crown of each furnace regenerator at least once per shift); and

3. The average Hot Spot Temperature (measured at least once per shift).

V. REPORTING REQUIREMENTS.

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

SECTION E. Source Group Restrictions.

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Paragraph (12)(a) of the Consent Decree, Case: 3:12-cv-02961.]

Furnace Maintenance.

Any Operating hour that is exempted from the applicable 30-Day Rolling Average Emission Rate because of Maintenance being performed on a Furnace, is subject to the following restrictions and must comply with the following requirements: Scheduled or Furnace preventive Maintenance, including checker raking and burning, shall not exceed ninety-six (96) Operating hours per Calendar Year.

 # 005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Paragraph (11) of the Consent Decree, Case: 3:12-cv-02961.]

Good Air Pollution Control Practice.

At all times, including during Abnormally Low Production Rate Days, a Furnace start up, a Malfunction, and Maintenance, Owens-Brockway shall maintain and operate all Furnaces, and any other associated air pollution control equipment in accordance with 40 C.F.R. § 60.11(d).

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.11]

Subpart A - General Provisions

Compliance with standards and maintenance requirements.

[§ 60.11(d) is cited in Paragraph (11) of the Consent Decree]

(d) At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

VII. ADDITIONAL REQUIREMENTS.

 # 007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Paragraph (14) of the Consent Decree, Case: 3:12-cv-02961.]

Abnormally Low Production Rate Days.

(a) The threshold values for an Abnormally Low Production Rate Day for Furnace C and Furnace D are 114 TPD and 155 TPD, respectively.

(b) If increased production capacity at a Furnace is authorized by a revised permit limit, the Abnormally Low Production Rate Day Threshold will be 35 percent of the new permitted production (or design production, where there is no permitted production) as determined on a daily basis.

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

SECTION E. Source Group Restrictions.

Group Name: PM CONTROL DEVICE REQTS

Group Description: Requirements for baghouses

Sources included in this group

ID	Name
101	RAW MATERIAL HANDLING & STORAGE
102	BATCH GATHER & MIX
116	CENTRAL VACUUM SYSTEMS (2)

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 grain 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 §127.511]

Monitoring and related recordkeeping and reporting requirements.

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 problems or defects, the actions taken to correct the problem or defects, 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 §127.511]

Monitoring and related recordkeeping and reporting requirements.

(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.

(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 E. Source Group Restrictions.

Group Name: RACT III

Group Description: System-Wide NOx Avg. Conditions

Sources included in this group

ID	Name
103	GLASS FURNACE C
104	GLASS FURNACE D

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the aggregate limit for the Brockway Plant No. 18 Glass Melting Furnace B (Source ID: 110) and the Crenshaw Plant No. 19 Glass Furnaces C & D (Source ID(s): 103 and 104) shall not exceed 4.0 lb NOx/ton glass pulled using a 30-operating day rolling average, rolling by one day.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall maintain an operating log for each glass melting furnace to demonstrate compliance with the presumptive RACT limit (i.e., 4.0 lb NOx/ton glass pulled). The log shall document the following on a daily basis:

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

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permitee shall maintain the following records for each glass melting furnace:

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

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

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code § 129.113.]

The permittee shall maintain sufficient records to demonstrate compliance with the presumptive RACT limit (i.e., 4.0 lb NOx/ton glass pulled). Compliance with the RACT NOx averaging plan emissions limit will be demonstrated using the CSMM Revision 8 certified CMS data. The data will be recorded and maintained in a time frame that is consistent with the averaging period of the limitation.

SECTION E. Source Group Restrictions.

[Note: Compliance with the Pennsylvania Glass Rule shall be demonstrated quarterly via the daily compliance averages submitted for RACT III.]

V. REPORTING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

In the event that an exceedance event occurs through the system-wide averaging plan, the permittee will submit a deviation report for the furnace that exceeded the presumptive RACT limit (i.e., 4.0 lb NOx/ton glass pulled).

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code § 129.113.]

The permittee shall demonstrate ongoing compliance by submittal of quarterly emission reports to the Department. The quarterly emissions report will include system-wide NOx mass emissions, in lbs, and system-wide NOx allowable mass emissions, in lbs, using a 30-operating day rolling average, rolling by one day.

VI. WORK PRACTICE REQUIREMENTS.

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permttee shall use the equation from 25 Pa. Code § 129.98(e) as guide to determine compliance with the RACT NOx emission limit, where:

Ei actual = the actual NOx mass emissions, in lbs, including emissions during start-ups, shutdowns, malfunctions and idling for an air contamination source in a 30-operating day rolling average, rolling by one day.

Ei allowable = the allowable NOx mass emissions, in lbs, computed using the allowable emission rate limitations for air contamination source in a 30-operating day rolling basis specified in 25 Pa. Code § 129.112.

n = the number of air contamination sources included in the NOx emissions averaging plan.

Compliance with the presumptive NOx RACT emission limit for glass container furnaces promulgated at 25 Pa. Code § 129.112(i)(l) (i.e., 4.0 lb NOx/ton glass pulled) will be determined as follows:

(1) the total pounds of NOx emitted will be summed for the current operating day and the previous 29 operating days for each furnace and will include the emissions that occur during start-up, shutdown, malfunction and idling.

[Note: An operating day is defined as a 24-hour period beginning at 12:00 a.m. during which the glass furnace operates at any time and produces NOx emissions.]

(2) the total allowable pounds of NOx will be calculated based on the RACT III emission limit for glass furnaces (i.e., 4.0 lb NOx/ton glass pulled) and the total glass produced for the current and the previous 29 operating days for each furnace.

(3) the system-wide 30-operating day sum of NOx emitted, in lbs, will be compared to the system-wide 30-operating day sum of the allowable NOx, in lbs, for each consecutive operating day.

(b) The actual NOx mass emissions (Ei actual) will be calculated for each operating day using a summation of the hourly NOx mass emissions for each of the three furnaces.

(c) The allowable NOx mass emissions (Ei allowable) will be calculated by using a summation of the hourly glass production rate for each furnace and multiplying it by the RACT III emissions limit (i.e., 4.0 lb NOX/ton glass pulled).

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code § 129.113.]

SECTION E. Source Group Restrictions.

In the event that an exceedance event occurs through the system-wide averaging plan, the permittee will determine which furnace caused the exceedance by evaluating the actual NOx mass emissions, in lbs, and the system-wide NOx allowable mass emissions, in lbs, per furnace, using a 30-operating day rolling average, rolling by one day.

VII. ADDITIONAL REQUIREMENTS.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall demonstrate that the aggregate NOx emissions emitted by the air contamination sources (Source ID(s): 110, 103 and 104) included in the system-wide NOx emissions averaging plan are not greater than the NOx emissions that would be emitted by the group of included sources if each source complied with the applicable NOx RACT emission limitation (i.e., 4.0 lb NOx/ton glass pulled) in 25 Pa. Code § 129.112(i)(1) on a source-specific basis.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code § 129.113(a).]

(a) The owner or operator of a major NOx emitting facility subject to 25 Pa. Code § 129.111 (relating to applicability) that includes at least one air contamination source subject to a NOx RACT emission limitation in 25 Pa. Code § 129.112 (relating to presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule) that cannot meet the applicable NOx RACT emission limitation may elect to meet the applicable NOx RACT emission limitation in 25 Pa. Code § 129.112 by averaging NOx emissions on either a system-wide basis. System-wide emissions averaging must be among sources under common control of the same owner or operator within the same ozone nonattainment area in this Commonwealth.

(b) The system-wide emissions will be aggregated between the Brockway Plant 18 Source ID: 110 and the Crenshaw Plant 19 Source ID(s): 103 and 104.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code § 129.113.]

The owner and operator of the air contamination sources included in a system-wide NOx emissions averaging plan submitted shall be liable for a violation of an applicable NOx RACT emission limitation at each source included in the NOx emissions averaging plan regardless of each individual facility's NOx emission rate.

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

SECTION E. Source Group Restrictions.

Group Name: § 60 SUBPART CC

Group Description: NSPS for glass manufacturing plants

Sources included in this group

ID	Name
103	GLASS FURNACE C
104	GLASS FURNACE D

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.293]

Subpart CC - Standards of Performance for Glass Manufacturing Plants

Standards for particulate matter from glass melting furnace with modified-processes.

(a) An owner or operator of a glass melting furnaces with modified-processes is not subject to the provisions of §60.292 if the affected facility complies with the provisions of this section.

(b) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator of a glass melting furnace with modified-processes subject to the provisions of this subpart shall cause to be discharged into the atmosphere from the affected facility:

(1) Particulate matter at emission rates exceeding 0.5 gram of particulate per kilogram of glass produced (g/kg) as measured according to paragraph (e) of this section for container glass, flat glass, and pressed and blown glass with a soda-lime recipe melting furnaces.

(2) - (3) [Not Applicable]

(c) - (e) [See Monitoring Requirements]

(f) [See Testing Requirements]

II. TESTING REQUIREMENTS.

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.293]

Subpart CC - Standards of Performance for Glass Manufacturing Plants

Standards for particulate matter from glass melting furnace with modified-processes.

(a) [See Restrictions]

(b) - (e) [See Monitoring Requirements]

(f) Test methods and procedures as specified in §60.296 shall be used to determine compliance with this section except that to determine compliance for any glass melting furnace using modified processes and fired with either a gaseous fuel or a liquid fuel containing less than 0.50 weight percent sulfur, Method 5 shall be used with the probe and filter holder heating system in the sampling train set to provide a gas temperature of 120 ±14 °C (248 ±25 °F).

 # 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.296]

Subpart CC - Standards of Performance for Glass Manufacturing Plants

Test methods and procedures.

(a) - (b) [Not Applicable]

(c) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b).

(d) The owner or operator shall determine compliance with the particulate matter standards in §§60.292 and 60.293 as follows:

(1) The emission rate (E) of particulate matter shall be computed for each run using the following equation:

SECTION E. Source Group Restrictions.

E = (cs Qsd-A)/P

where:

E = emission rate of particulate matter, g/kg.

cs = concentration of particulate matter, g/dsm.

Qsd = volumetric flow rate, dscm/hr.

A = zero production rate correction

= 227 g/hr for container glass, pressed and blown (soda-lime and lead) glass, and pressed and blown (other than borosilicate, soda-lime, and lead) glass.

= 454 g/hr for pressed and blown (borosilicate) glass, wool fiberglass, and flat glass.

P = glass production rate, kg/hr.

(2) Method 5 shall be used to determine the particulate matter concentration (cs) and volumetric flow rate (Qsd) of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf). The probe and filter holder heating system may be set to provide a gas temperature no greater than 177 ±14 °C (350 ±25 °F), except under the conditions specified in §60.293(e).

(3) Direct measurement or material balance using good engineering practice shall be used to determine the amount of glass pulled during the performance test. The rate of glass produced is defined as the weight of glass pulled from the affected facility during the performance test divided by the number of hours taken to perform the performance test.

(4) Method 9 and the procedures in §60.11 shall be used to determine opacity.

III. MONITORING REQUIREMENTS.

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.293]

Subpart CC - Standards of Performance for Glass Manufacturing Plants

Standards for particulate matter from glass melting furnace with modified-processes.

(a) - (b) [See Restrictions]

(c) The owner or operator of an affected facility that is subject to emission limits specified under paragraph (b) of this section shall:

(1) Install, calibrate, maintain, and operate a continuous monitoring system for the measurement of the opacity of emissions discharged into the atmosphere from the affected facility.

(2) During the performance test required to be conducted by §60.8, conduct continuous opacity monitoring during each test run.

(3) Calculate 6-minute opacity averages from 24 or more data points equally spaced over each 6-minute period during the test runs.

(4) Determine, based on the 6-minute opacity averages, the opacity value corresponding to the 99 percent upper confidence level of a normal distribution of average opacity values.

(5) [See Reporting Requirements]

(d)(1) After receipt and consideration of written application, the Administrator may approve alternative continuous monitoring systems for the measurement of one or more process or operating parameters that is or are demonstrated to enable accurate and representative monitoring of an emission limit specified in paragraph (b) of this section.

SECTION E. Source Group Restrictions.

(2) After the Administrator approves an alternative continuous monitoring system for an affected facility, the requirements of paragraphs (c) (1) through (5) of this section will not apply for that affected facility.

(e) An owner or operator may redetermine the opacity value corresponding to the 99 percent upper confidence level as described in paragraph (c)(4) of this section if the owner or operator:

(1) Conducts continuous opacity monitoring during each test run of a performance test that demonstrates compliance with an emission limit of paragraph (b) of this section,

(2) Recalculates the 6-minute opacity averages as described in paragraph (c)(3) of this section, and

(3) Uses the redetermined opacity value corresponding to the 99 percent upper confidence level for the purposes of paragraph (c)(5) of this section.

(f) [See Testing Requirements]

[Compliance with this condition assures compliance with PA 33-002B, Condition #19 for Source 103.]

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.

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.293]

Subpart CC - Standards of Performance for Glass Manufacturing Plants

Standards for particulate matter from glass melting furnace with modified-processes.

(a) - (b) [See Restrictions]

(c) The owner or operator of an affected facility that is subject to emission limits specified under paragraph (b) of this section shall:

(1) - (4) [See Monitoring Requirements]

(5) For the purposes of §60.7, report to the Administrator as excess emissions all of the 6-minute periods during which the average opacity, as measured by the continuous monitoring system installed under paragraph (c)(1) of this section, exceeds the opacity value corresponding to the 99 percent upper confidence level determined under paragraph (c)(4) of this section.

(d) - (e) [See Monitoring Requirements]

(f) [See Testing Requirements]

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.7]

Subpart A - General Provisions

Notification and record keeping.

(b) Any owner or operator subject to the provisions of this part shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

(c) Each owner or operator required to install a continuous monitoring device shall submit excess emissions and monitoring systems performance report (excess emissions are defined in applicable subparts) and-or summary report form (see paragraph (d) of this section) to the Administrator semiannually, except when: more frequent reporting is specifically required by an applicable subpart; or the Administrator, on a case-by-case basis, determines that more frequent reporting is necessary to accurately assess the compliance status of the source. All reports shall be postmarked by the 30th day following the end of each six-month period. Written reports of excess emissions shall include the following information:

SECTION E. Source Group Restrictions.

(1) The magnitude of excess emissions computed in accordance with §60.13(h), any conversion factor(s) used, and the date and time of commencement and completion of each time period of excess emissions. The process operating time during the reporting period.

(2) Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the affected facility. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted.

(3) The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments.

(4) When no excess emissions have occurred or the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be stated in the report.

(d) The summary report form shall contain the information and be in the format shown in figure 1 unless otherwise specified by the Administrator. One summary report form shall be submitted for each pollutant monitored at each affected facility.

(1) If the total duration of excess emissions for the reporting period is less than 1 percent of the total operating time for the reporting period and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report described in §60.7(c) need not be submitted unless requested by the Administrator.

(2) If the total duration of excess emissions for the reporting period is 1 percent or greater of the total operating time for the reporting period or the total CMS downtime for the reporting period is 5 percent or greater of the total operating time for the reporting period, the summary report form and the excess emission report described in §60.7(c) shall both be submitted.

[The rest of § 60.7 also apply & incorporated by reference only into this permit.]

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.

 # 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.290]

Subpart CC - Standards of Performance for Glass Manufacturing Plants

Applicability and designation of affected facility.

(a) Each glass melting furnace is an affected facility to which the provisions of this subpart apply.

(b) Any facility under paragraph (a) of this section that commences construction or modification after June 15, 1979, is subject to the requirements of this subpart.

(c) This subpart does not apply to hand glass melting furnaces, glass melting furnaces designed to produce less than 4,550 kilograms of glass per day and all-electric melters.

 # 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.291]

Subpart CC - Standards of Performance for Glass Manufacturing Plants

Definitions.

As used in this subpart, all terms not defined herein shall have the meaning given them in the Act and in subpart A of this part, unless otherwise required by the context.

[Only select terms are included in this operating permit. For the rest of the terminology, please refer to § 60.291 under Title 40 - Protection of Enviro

Container glass means glass made of soda-lime recipe, clear or colored, which is pressed and/or blown into bottles, jars,

SECTION E. Source Group Restrictions.

ampoules, and other products listed in Standard Industrial Classification 3221 (SIC 3221).

Flow channels means appendages used for conditioning and distributing molten glass to forming apparatuses and are a permanently separate source of emissions such that no mixing of emissions occurs with emissions from the melter cooling system prior to their being vented to the atmosphere.

Glass melting furnace means a unit comprising a refractory vessel in which raw materials are charged, melted at high temperature, refined, and conditioned to produce molten glass. The unit includes foundations, superstructure and retaining walls, raw material charger systems, heat exchangers, melter cooling system, exhaust system, refractory brick work, fuel supply and electrical boosting equipment, integral control systems and instrumentation, and appendaees for conditioning and distributing molten glass to forming apparatuses. The forming apparatuses, including the float bath used in flat glass manufacturing and flow channels in wool fiberglass and textile fiberglass manufacturing, are not considered part of the glass melting furnace.

Rebricking means cold replacement of damaged or worn refractory parts of the glass melting furnace. Rebricking includes replacement of the refractories comprising the bottom, sidewalls, or roof of the melting vessel; replacement of refractory work in the heat exchanger; replacment of refractory portions of the glass conditioning and distribution system.

With modified-processes means using any technique designed to minimize emissions without the use of add-on pollution controls.

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

SECTION E. Source Group Restrictions.

Group Name: § 63 SUBPART ZZZZ

Group Description: NESHAP for stationary reciprocating internal combustion engines

Sources included in this group

ID	Name
117	DIESEL EMERGENCY GENERATOR, 450 HP
118	NATURAL GAS FUELED EMERGENCY GENERATORS (2), 30.2 HP & 11 HP

I. RESTRICTIONS.

Operation Hours Restriction(s).

 # 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

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

How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requiremer

(a) [See VI. Work Practice Requirements for this source]

(b) - (e) [Not applicable]

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4), is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

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

(2) You may operate your emergency stationary RICE the purpose specified in paragraph (f)(2)(i) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

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

(ii) - (iii) [Reserved]

(3) [Not applicable]

(4) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (f)(2) of this section. Except as provided in paragraphs (f)(4)(i) and (ii) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) - (ii) [Not Applicable]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

SECTION E. Source Group Restrictions.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

What are my monitoring, installation, operation, and maintenance requirements?

(a) - (d) [Not Applicable]

(e) [See VI. Work Practice Requirements for this source]

(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

(g) [Not Applicable]

(h) - (j) [See VI. Work Practice Requirements for this source]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013; 89 FR 70516, Aug. 30, 2024]

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

(a) - (d) [Not Applicable]

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

(1) [Not Applicable]

(2) An existing stationary emergency RICE.

(3) [Not Applicable]

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purpose specified in § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

(1) [Not Applicable]

(2) An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022; 89 FR 70518, Aug. 30, 2024]

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 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

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

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

(a) Your records must be in a form suitable and readily available for expeditious review according to § 63.10(b)(1).

(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1).

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 2d]

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

Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions

As stated in §§63.6603 and 63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

FOR EACH:
(4) Emergency stationary CI RICE and black start stationary CI RICE. [Footnote (2)]

YOU MUST MEET THE FOLLOWING REQUIREMENT, EXCEPT DURING PERIODS OF STARTUP:
(a) Change oil and filter every 500 hours of operation or within 1 year + 30 days of the previous change, whichever comes first; [Footnote (1)]

(b) Inspect air cleaner every 1,000 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary; and

(c) Inspect all hoses and belts every 500 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary.

DURING PERIODS OF STARTUP YOU MUST:
Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

FOR EACH:
(5) Emergency stationary SI RICE; black start stationary SI RICE; non-emergency, non-black start 4SLB stationary RICE > 500 HP that operate 24 hours or less per calendar year; non-emergency, non-black start 4SRB stationary RICE > 500 HP that operate 24 hours or less per calendar year. [Footnote (2)]

YOU MUST MEET THE FOLLOWING REQUIREMENT, EXCEPT DURING PERIODS OF STARTUP:
(a) Change oil and filter every 500 hours of operation or within 1 year + 30 days of the previous change, whichever comes first; [Footnote (1)]

(b) Inspect spark plugs every 1,000 hours of operation or within 1 year + 30 days of the previous inspection, whichever

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comes first, and replace as necessary; and

(c) Inspect all hoses and belts every 500 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary.

DURING PERIODS OF STARTUP YOU MUST:
Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

[Footnotes:
(1) Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2d of this subpart

(2) If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.]

[89 FR 70520, Aug. 30, 2024]

[Items (1) to (3) & (6) to (13) are not applicable]

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 6]

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

Table 6 to Subpart ZZZZ of Part 63.-- Continuous Compliance With Emission Limitations and Operating Limitations

As stated in § 63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

FOR EACH:

(9) Existing emergency and black start stationary RICE =500 HP located at a major source of HAP, existing non-emergency stationary RICE <100 HP located at a major source of HAP, existing emergency and black start stationary RICE located at an area source of HAP, existing non-emergency stationary CI RICE =300 HP located at an area source of HAP, existing non-emergency 2SLB stationary RICE located at an area source of HAP, existing non-emergency stationary SI RICE located at an area source of HAP which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, existing non-emergency 4SLB and 4SRB stationary RICE =500 HP located at an area source of HAP, existing non-emergency 4SLB and 4SRB stationary RICE >500 HP located at an area source of HAP that operate 24 hours or less per calendar year, and existing non-emergency 4SLB and 4SRB stationary RICE >500 HP located at an area source of HAP that are remote stationary RICE

COMPLYING WITH THE REQUIREMENT TO:
(a) Work or Management practices

YOU MUST DEMONSTRATE CONTINOUS COMPLIANCE BY:
(i) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

(ii) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[78 FR 6715, Jan. 30, 2013]

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[Items (1) to (8) & (10) to (15) are not applicable.]

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]

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

What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

(a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to this subpart and the operating limitations in Table 2b to this subpart that apply to you.

(b) - (f) [Not Applicable]

[75 FR 9675, Mar. 3, 2010, as amended at 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6701, Jan. 30, 2013]

[Introductory text for this section, which is on compliance with numerical emission limitations, is omitted.]

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

What are my monitoring, installation, operation, and maintenance requirements?

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

(1) - (2) [Not Applicable]

(3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;

(4) - (10) [Not Applicable]

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

(i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of table 2c to this subpart or in items 1 or 4 of table 2d to this subpart, you have the option of utilizing an oil analysis program

SECTION E. Source Group Restrictions.

in order to extend the specified oil and filter change requirement in tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil and filter in table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil and filter. If any of the limits are exceeded, the engine owner or operator must change the oil and filter within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil and filter within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil and filter changes for the engine. The analysis program must be part of the maintenance plan for the engine.

(j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of table 2c to this subpart or in items 5, 6, 7, 8, 10, 11 or 13 of table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil and filter change requirement in tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil and filter in table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil and filter. If any of the limits are exceeded, the engine owner or operator must change the oil and filter within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil and filter within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil and filter changes for the engine. The analysis program must be part of the maintenance plan for the engine.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013; 89 FR 70516, Aug. 30, 2024]

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

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

How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

VII. ADDITIONAL REQUIREMENTS.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For RACT III purposes, for Sources 117 & 118:

(a) Compliance with § 63 Subpart ZZZZ's § 63.6640(a) & Table 6, item #9 assures compliance with § § 129.112 - 129.115.

(b) Compliance with § 63 Subpart ZZZZ's §§ 63.6655(e) & 63.6660(b) assures compliance with § §129.112 - 129.115.

 # 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6580]

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

SECTION E. Source Group Restrictions.

What is the purpose of subpart ZZZZ?

Subpart ZZZZ establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

[73 FR 3603, Jan. 18, 2008]

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]

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

Am I subject to this subpart?

You are subject to this subpart if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

(a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

(b) [Not Applicable]

(c) An area source of HAP emissions is a source that is not a major source.

(d) - (f) [Not Applicable]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3603, Jan. 18, 2008; 78 FR 6700, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]

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

What parts of my plant does this subpart cover?

This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) - (ii) [Not Applicable]

(iii) For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iv) [Not Applicable]

(2) - (3) [Not Applicable]

(b) - (c) [Not Applicable]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9674, Mar. 3, 2010; 75 FR 37733, June 30, 2010; 75 FR 51588, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

 # 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]

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

When do I have to comply with this subpart?

SECTION E. Source Group Restrictions.

(a) Affected sources.

(1) If you have an existing stationary CI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013. If you have an existing stationary SI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013.

[All other conditions are not applicable. Statements in paragraph (a)(1) not applicable are omitted.]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9675, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 78 FR 6701, Jan. 30, 2013]

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]

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

What parts of the General Provisions apply to me?

Table 8 to this subpart shows which parts of the General Provisions in §§ 63.1 through 63.15 apply to you.

 # 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6670]

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

Who implements and enforces this subpart?

(a) This subpart is implemented and enforced by the U.S. EPA, or a delegated authority such as your State, local, or tribal agency. If the U.S. EPA Administrator has delegated authority to your State, local, or tribal agency, then that agency (as well as the U.S. EPA) has the authority to implement and enforce this subpart. You should contact your U.S. EPA Regional Office to find out whether this subpart is delegated to your State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the Administrator of the U.S. EPA and are not transferred to the State, local, or tribal agency.

(c) The authorities that will not be delegated to State, local, or tribal agencies are:

(1) Approval of alternatives to the non-opacity emission limitations and operating limitations in § 63.6600 under § 63.6(g).

(2) Approval of major alternatives to test methods under § 63.7(e)(2)(ii) and (f) and as defined in § 63.90.

(3) Approval of major alternatives to monitoring under § 63.8(f) and as defined in § 63.90.

(4) Approval of major alternatives to recordkeeping and reporting under § 63.10(f) and as defined in § 63.90.

(5) Approval of a performance test which was conducted prior to the effective date of the rule, as specified in § 63.6610(b).

(6) Approval of an alternative to any electronic reporting to the EPA required by this subpart.

[69 FR 33506, June 15, 2004, as amended at 89 FR 70518, Aug. 30, 2024]

 # 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]

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

What definitions apply to this subpart?

Terms used in this subpart are defined in the Clean Air Act (CAA); in 40 CFR 63.2, the General Provisions of this part; and in this section as follows:

[Only select terms are included in this operating permit. For the rest of the terminology, please refer to § 63.6675 under Title 40 - Protection of Environment in www.ecfr.gov.]

SECTION E. Source Group Restrictions.

Compression ignition means relating to a type of stationary internal combustion engine that is not a spark ignition engine.

Diesel engine means any stationary RICE in which a high boiling point liquid fuel injected into the combustion chamber ignites when the air charge has been compressed to a temperature sufficiently high for auto-ignition. This process is also known as compression ignition.

Diesel fuel means any liquid obtained from the distillation of petroleum with a boiling point of approximately 150 to 360 degrees Celsius. One commonly used form is fuel oil number 2. Diesel fuel also includes any non-distillate fuel with comparable physical and chemical properties (e.g. biodiesel) that is suitable for use in compression ignition engines.

Emergency stationary RICE means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary RICE must comply with the requirements specified in § 63.6640(f) in order to be considered emergency stationary RICE. If the engine does not comply with the requirements specified in § 63.6640(f), then it is not considered to be an emergency stationary RICE under this subpart.

(1) The stationary RICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary RICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary RICE used to pump water in the case of fire or flood, etc.

(2) The stationary RICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in § 63.6640(f).

(3) The stationary RICE operates as part of a financial arrangement with another entity in situations not included in paragraph (1) of this definition only as allowed in § 63.6640(f)(2)(ii) or (iii) and § 63.6640(f)(4)(i) or (ii).

Gaseous fuel means a material used for combustion which is in the gaseous state at standard atmospheric temperature and pressure conditions.

Gasoline means any fuel sold in any State for use in motor vehicles and motor vehicle engines, or nonroad or stationary engines, and commonly or commercially known or sold as gasoline.

Liquid fuel means any fuel in liquid form at standard temperature and pressure, including but not limited to diesel, residual/crude oil, kerosene/naphtha (jet fuel), and gasoline.

Natural gas means a naturally occurring mixture of hydrocarbon and non-hydrocarbon gases found in geologic formations beneath the Earth's surface, of which the principal constituent is methane. Natural gas may be field or pipeline quality.

Stationary reciprocating internal combustion engine (RICE) means any reciprocating internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3607, Jan. 18, 2008; 75 FR 9679, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 76 FR 12867, Mar. 9, 2011; 78 FR 6706, Jan. 30, 2013; 87 FR 48608, Aug. 10, 2022]

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

SECTION E. Source Group Restrictions.

Group Name: §§ 129.301-129.310

Group Description: State rule on control of NOx emissions from glass melting furnaces

Sources included in this group

ID	Name
103	GLASS FURNACE C
104	GLASS FURNACE D

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [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 NOx emissions in excess of the following allowable limits or NOx emission limits contained in the plan approval or operating permit, whichever are lower:

(1) [The 4.0-lb/ton of glass pulled NOx limit of § 129.304(a)(1) for container glass furnaces is streamlined out by the 2.3 and 2.9 lb/ton NOx limits of glass melted for Sources 103 and 104, respectively, of the Consent Decree, case:3:12-cv-02961).]

(2) - (5) [Not Applicable. These are NOx limits for pressed or blown glass furnaces, fiberglass furnaces, flat glass furnaces, & 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) [Omitted. Provision for alternative NOx emission limitation does not apply since the permittee complies with appicable limitation in § 129.304(a).]

(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 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.

[Compliance with paragraph (a)(1) assure compliance with 25 Pa. Code § 129.112(i)(1).]

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 §129.310.]

Recordkeeping.

(a) The owner or operator of a glass melting furnace subject to this section and § § 129.301—129.309 shall maintain

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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.

(c) [Omitted. The permittee is not claiming exemption from §§ 129.301 - 129.309.]

(d) The records required under this section shall be maintained onsite as per Section B, Condition #025(b) of this operating permit. The records shall be made available or submitted to the Department or appropriate approved local air pollution control agency upon request.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 003 [25 Pa. Code §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) - (3) [Not Applicable]

(d) The requirements of subsection (c) notwithstanding, if the NOx 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:

SECTION E. Source Group Restrictions.

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

(2) - (3) [Not Applicable]

(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.

{Compliance with 25 Pa. Code § 129.113 assures compliance with this condition.]

 # 004 [25 Pa. Code §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.

 # 005 [25 Pa. Code §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 NOx emissions during idling may not exceed the amount calculated using the following equation:

Pounds per day emission limit of NOx = (Applicable NOx 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)

 # 006 [25 Pa. Code §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 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. The owner or operator of a glass melting furnace may install or operate, or both, an alternate NOx 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

SECTION E. Source Group Restrictions.

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 NOx 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 NOx 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 NOx installed under this section must meet the minimum data availability requirements in Chapter 139, Subchapter C.

 # 007 [25 Pa. Code §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.

[On July 25, 2019, the permittee informed the Department that compliance with § 129.309 will be on a furnace-by furnace basis; previously, on a system-wide 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) [Not Applicable]

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

{Compliance with paragraph (a) assures compliance with 25 Pa. Code § 129.115.]

VII. ADDITIONAL REQUIREMENTS.

 # 008 [25 Pa. Code §129.301.]

Purpose.

SECTION E. Source Group Restrictions.

The purpose of this section and § § 129.302—129.310 is to annually limit the emissions of NOx from glass melting furnaces.

 # 009 [25 Pa. Code §129.302.]

Applicability.

This section, § 129.301 (relating to purpose) and § § 129.303—129.310 apply to an owner or operator of a glass melting furnace in this Commonwealth, including those within the jurisdiction of local air pollution control agencies in Philadelphia and Allegheny Counties approved under section 12 of the act (35 P. S. § 4012), that emits or has the potential to emit NOx at a rate greater than 50 tons per year.

 # 010 [25 Pa. Code §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 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.

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

SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION G. Emission Restriction Summary.

Source Id	Source Description
031	BOILER

Emission Limit			Pollutant
4.000	Lbs/MMBTU	of heat input.	SOX
0.400	Lbs/MMBTU	of heat input	TSP

Source Id	Source Description
101	RAW MATERIAL HANDLING & STORAGE

Emission Limit			Pollutant
0.040	gr/DRY FT3		TSP

Source Id	Source Description
102	BATCH GATHER & MIX

Emission Limit			Pollutant
0.040	gr/DRY FT3		TSP

Source Id	Source Description
103	GLASS FURNACE C

Emission Limit			Pollutant
0.200	Lbs/Tons		CO
2.300	Lbs/Tons	(30-day rolling average)	NOX
4.000	Lbs/Tons	aggregate for three furnances	NOX
125.930	Tons/Yr	(12-month rolling total)	NOX
0.520	Lbs/Tons		PM10
0.520	Lbs/Tons		PM2.5
2.550	Lbs/Tons		SOX
148.400	Tons/Yr	(12-month rolling total)	SOX
0.520	Lbs/Tons		TSP
47.400	Tons/Yr	(12-month rolling total)	TSP
0.200	Lbs/Tons		VOC

Source Id	Source Description
104	GLASS FURNACE D

Emission Limit			Pollutant
0.200	Lbs/Tons		CO
14.600	Tons/Yr	based on a 12-month rolling total	CO
2.800	Lbs/Tons		NOX
4.000	Lbs/Tons	aggregate for three furnances	NOX
204.400	Tons/Yr	based on a 12-month rolling total	NOX
1.080	Lbs/Tons		PM10
78.840	Tons/Yr	based on a 12-month rolling total	PM10
0.990	Lbs/Tons		PM2.5
72.270	Tons/Yr	based on a 12-month rolling total	PM2.5
2.850	Lbs/Tons		SOX
208.050	Tons/Yr	based on a 12-month rolling total	SOX
500.000	PPMV	dry basis	SOX
1.080	Lbs/Tons	(filterable & condensable)	TSP
14.410	Lbs/Hr		TSP
78.840	Tons/Yr	based on a 12-month rolling total (filterable & condensable)	TSP
0.200	Lbs/Tons		VOC

SECTION G. Emission Restriction Summary.

Source Id	Source Description

14.600	Tons/Yr	based on a 12-month rolling total	VOC

112 HOT END SURFACE TREATMENT

Emission Limit			Pollutant
2.800	Lbs/Hr		Ammonia (Anhydrous)
12.300	Tons/Yr	based on a 12-month rolling total	Ammonia (Anhydrous)
250.000	PPMV		Ammonia (Anhydrous)
0.025	Lbs/Hr		Hydrochloric Acid
0.100	Tons/Hr	based on a 12-month rolling total	Hydrochloric Acid
0.020	gr/DRY FT3		TSP
0.900	Lbs/Hr		TSP
4.000	Tons/Yr	based on a 12-month rolling total	TSP
0.800	Lbs/Hr		VOC
3.200	Tons/Yr	based on a 12-month rolling total	VOC

116 CENTRAL VACUUM SYSTEMS (2)

Emission Limit			Pollutant
0.040	gr/DRY FT3		TSP

117 DIESEL EMERGENCY GENERATOR, 450 HP

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

118 NATURAL GAS FUELED EMERGENCY GENERATORS (2), 30.2 HP & 11 HP

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

119 600 EKW CAT DIESEL EMERGENCY GENERATOR

Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

Site Emission Restriction Summary

Emission Limit	Pollutant

SECTION G. Emission Restriction Summary.

SECTION H. Miscellaneous.

(a) The Capacity/Hour numbers listed in Section A. Site Inventory List and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. Enforceable emission limits are listed in the Restrictions sections in Section D for each source and Section E for each source groups. They are also summarized for informational purposes only in Section G of this permit.

(b) Terminology

(b.1)

Source ID: Department assigned ID number for the source

Source Name: Department assigned name for the source

Capacity: The maximum capacity for the source (not a limit)

Fuel/Material: The fuel/material assigned to SCC for the source

Schematics: FML - Fuel material location; Comb - Combustion source; Proc - Process; CD - Control device; EP - Emission point

Pollutant: CO - Carbon Monoxide; NOx - Nitrogen Oxides; PM10 - Total PM emission less than 10 microns; PM2.5 - Total PM emissions less than 2.5 microns; SOx - Sulfur Oxides; TSP - Total Suspended Particulate; VOC - Volatile Organic Compounds

Material: MBTT - Mono-butylin trichloride; NH3 - ammonia; HCL - hydrochloric acid (muriatic acid)

(b.2) For the purpose of this permit, the terms glass pulled, glass melted, and glass produced all have the same meaning and are interchangeable.

(c) Source Information/Description

(c.1) Source 103 (Furnace C) consists of the following:

(1) Furnace C that exhausts through furnace stack (S103) with a CEMs for NOx and SOx and a COM for Opacity. (CEMS for SOx as required by Consent Decree; however, SOx not subject to quarterly CEMS reporting.)

(c.2) Source 108 (Refiners - 2) consists of the following:

(1) Two Refiners that exhausts through roof louvers - one for Furnace C and one for Furnace D

(c.3) Source 109 (Forehearths - 6) consists of the following:

(1) Three forehearths (C1, C2, & C3) that exhausts through roof louvers for Furnace C

(2) Three forehearths (D1, D3, & D4) that exhausts through roof louvers for Furnace D

(c.4) Source ID #113: Miscellaneous natural gas usage comprised of space heaters (18),water heaters (2), salamanders (6), fired degreasers (1), and mold preheat ovens (3) fueled by natural gas.

(c.5) Source 114 (Four Parts Cleaning Machines) consists of the following:

(1) One immersion-type

(2) Three remote resevoir-types

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

(1) Cullet stockpiles
(2) Receiving pits (3)
(3) Minor Ingredients handling and storage
(4) Cold end surface treatment(6)
(5) QA/QC Lines (6)
(6) Image container coding & cleanup (7)
(7) Carton gluing(8)
(8) Carton Coding(6)
(9) Container packing transfer & storage.
(10) SFL spray booths(1)
(11) Glass bead blasting (6)
(12) Delivery scoop coating (1)
(13) Mold Repair shop(1)
(14) Propane storage
(15) Miscellaneous storage
(16) Compressors (14) and Vacuum pumps (3)
(17) Hot cullet treatment
(18) Q/S/ Labs (1)
(19) Water treatment system (1)
(20) Cooling towers (2)
(21) API Separator (1)
(22) Mobile Sources
(23) Mold Casting (1)
(24) Forge (1)

SECTION H. Miscellaneous.

(e) Notes on federal & state regulations

(e.1) The definitions, units of measurement, and abbreviations described in 40 CFR Sections 60.2 and 60.291 shall be used to interpret any applicable requirements from 40 CFR Part 60 that are included in this permit.

(f) Permit History

(f.1) This permit was amended on May 24, 2006 to change the name of responsible official.

(f.2) The permit was administratively amended on October 3, 2008 to include the conditions from Plan Approval 33-002C and to incorporate the change of Responsible Official from Yvon LaPierre to John Raybuck.

(f.3) This permit was reissued on December 7, 2009.

(f.4) This permit was administratively amended on April 28, 2011 to change the name of the responsible official to Al Martin - Plant Manager.

(f.5) This permit was renewed on January 29, 2015.

(f.6) This permit was administratively amended on November 7, 2016 to incorporate the change of responsible official and permit contact.

(f.7) This permit was amended on November 7, 2016 to change the responsible official to Robert S. Martini and the permit contact to John DeSantis - Environmental Manager.

(f.8) This permit was amended on September 28, 2017 to incorporate the requirements of Plan Approval 33-002E which was inspected by the New Source Review Section on August 22, 2017.

(f.9) This permit was renewed on February 18, 2020.

(f.10) This permit was administratively amended on May 20, 2020 to clarify the owner name as Owens Brockway Glass Container Inc which is a wholly owned subsidiary of O-I Glass, Inc.

(f.11) This permit was administratively amended on August 12, 2020 and on October 26, 2020 to change the responsible official.

(f.12) The Title V Operating Permit 33-00002 (Auth ID: 1422526) has been modified to incorporate the system-wide NOX averaging plan for the Brockway Plant furnace (Source ID: 110) and for Source ID(s): 103 and 104.

(f.13) This permit was renewed on March 19, 2026 with an expiration date of February 28, 2031.

(g) Compliance Certification

(g.1) Section B, Condition #028(f)(2). The reference to Section B, Condition #026 is incorrect. The condition should read as follows:

“The permittee fails to submit a compliance schedule to include a statement in the compliance certification required until Section B, Condition #024 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR 68, and 25 Pa. Code 127.512(i)."

(g.2) Section C, Compliance Certification. The reference to Section B, Condition #026 is incorrect. The condition should read as follows:

"The permittee shall submit within thirty days of 03/31/2019 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #024 of section B of this permit, and annually thereafter.”

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