



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: March 3, 2026

Effective Date: March 3, 2026

Expiration Date: September 30, 2027

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 construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval 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 plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

Plan Approval No. 33-00002F

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

Plan Approval 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



Plan Approval Description

This plan approval authorizes the rebuilding of Glass Furnace D, modification (increase in width) of the associated D4 Forehearth, and installation and temporary operation of one new replacement natural gas-fired annealing lehr. The plan approval also establishes NOx and VOC emission limits for the equipment associated with Furnace D.



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

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SECTION A. Table of Contents

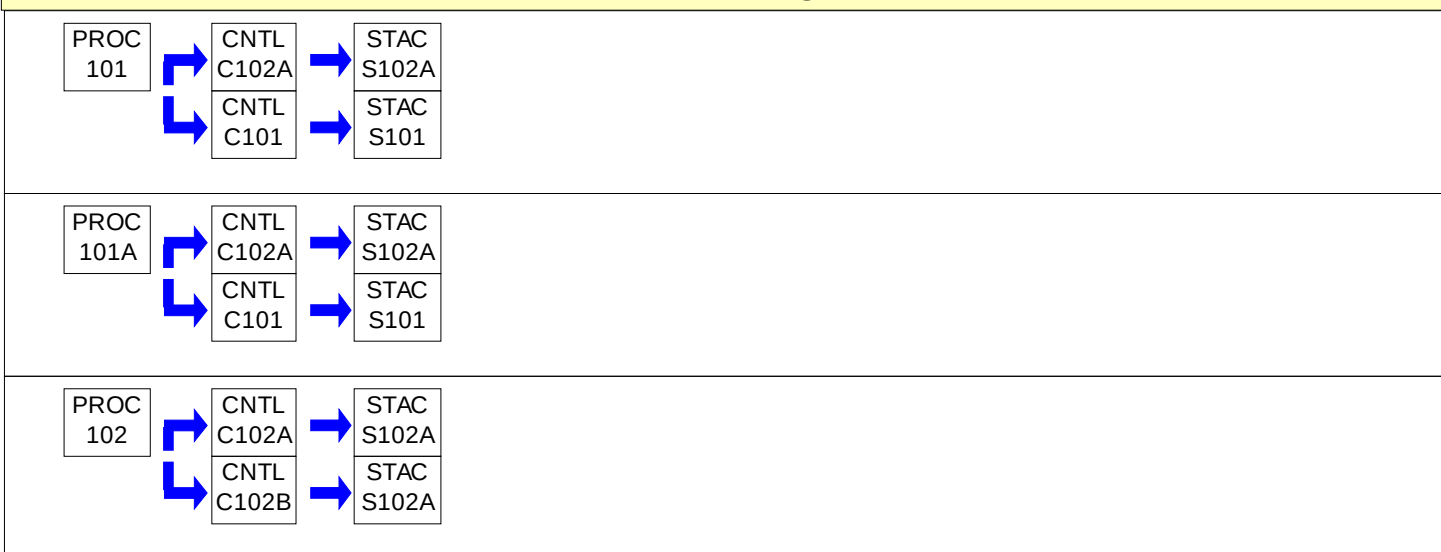
F-III: Monitoring Requirements
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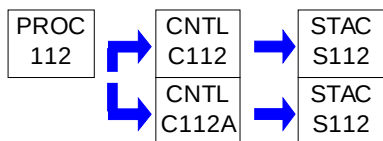
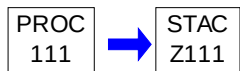
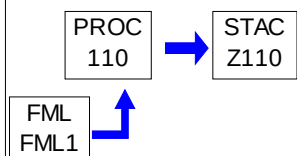
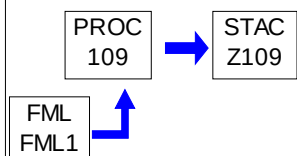
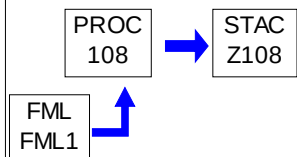
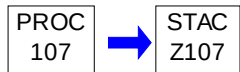
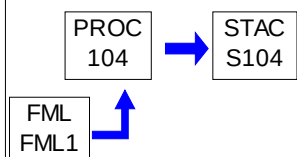
Section G. Emission Restriction Summary

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**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	RAW MATERIAL HANDLING & STORAGE	30.000 Tons/HR	GLASS
101A	RAW MATERIAL STORAGE BINVENT	30.000 Tons/HR	GLASS
102	BATCH GATHER & MIX	37.200 Tons/HR	SAND MIXTURE
104	GLASS FURNACE D	16.700 Tons/HR 84.660 MCF/HR	MOLTEN GLASS NATURAL GAS
107	CULLET HANDLING & STORAGE	7.200 Tons/HR	CULLET
108	REFINERS (2)	6.000 MCF/HR	Natural Gas
109	FOREHEARTHS (6)	9.000 MCF/HR	Natural Gas
110	ANNEALING LEHRS (6)	22.440 MCF/HR	Natural Gas
111	CONTAINER FORMING MACHINES (6)	2.880 Lbs/HR	LUBE SWAB
112	HOT END SURFACE TREATMENT	12.000 Lbs/HR	MBTT
C101	BAGHOUSES (11) VENT INSIDE		
C102A	BAGHOUSES (3)		
C102B	BAGHOUSE VENT INSIDE		
C112	HEST BAGHOUSE		
C112A	HEST ADDITIONAL BAGHOUSE		
FML1	NATURAL GAS		
S101	RAW MATERIAL STACK		
S102A	BATCH MIX STACK		
S104	FURNACE "D" STACK		
S112	HEST STACK		
Z107	CULLET FUGITIVES		
Z108	REFINERS FUGITIVES		
Z109	FOREHEARTHS FUGITIVES		
Z110	LEHRS FUGITIVES		
Z111	CONTAINER FORM. FUGITIVES		

PERMIT MAPS

**PERMIT MAPS**

**SECTION B. General Plan Approval Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

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

#002 [25 Pa. Code § 127.12b (a) (b)]**Future Adoption of Requirements**

The issuance of this plan approval does not prevent the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards. The issuance of this plan approval shall not be construed to limit the Department's enforcement authority.

#003 [25 Pa. Code § 127.12b]**Plan Approval Temporary Operation**

This plan approval authorizes temporary operation of the source(s) covered by this plan approval provided the following conditions are met.

(a) When construction, installation, modification, or reactivation is being conducted, the permittee shall provide written notice to the Department of the completion of the activity approved by this plan approval and the permittee's intent to commence operation at least five (5) working days prior to the completion of said activity. The notice shall state when the activity will be completed and when the permittee expects to commence operation. When the activity involves multiple sources on different time schedules, notice is required for the commencement of operation of each source.

(b) Pursuant to 25 Pa. Code § 127.12b (d), temporary operation of the source(s) is authorized to facilitate the shakedown of sources and air cleaning devices, to permit operations pending the issuance of a permit under 25 Pa. Code Chapter 127, Subchapter F (relating to operating permits) or Subchapter G (relating to Title V operating permits) or to permit the evaluation of the air contaminant aspects of the source.

(c) This plan approval authorizes a temporary operation period not to exceed 180 days from the date of commencement of operation, provided the Department receives notice from the permittee pursuant to paragraph (a), above.

(d) The permittee may request an extension of the 180-day shakedown period if further evaluation of the air contamination aspects of the source(s) is necessary. The request for an extension shall be submitted, in writing, to the Department at least 30 days prior to the end of the initial 180-day shakedown period and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established. This temporary operation period will be valid for a limited time and may be extended for additional limited periods, each not to exceed 180 days.

(e) The notice submitted by the permittee pursuant to subpart (a) above, prior to the expiration of the plan approval, shall modify the plan approval expiration date on Page 1 of this plan approval. The new plan approval expiration date shall be 180 days from the date of commencement of operation.

#004 [25 Pa. Code § 127.12(a) (10)]**Content of Applications**

The permittee shall maintain and operate the sources and associated air cleaning devices in accordance with good engineering practice as described in the plan approval application submitted to the Department.

#005 [25 Pa. Code §§ 127.12(c) and (d) & 35 P.S. § 4013.2]**Public Records and Confidential Information**

(a) The records, reports or information obtained by the Department or referred to at public hearings shall be available to the public, except as provided in paragraph (b) of this condition.

(b) Upon cause shown by the permittee that the records, reports or information, or a particular portion thereof, but not emission data, to which the Department has access under the act, if made public, would divulge production or sales figures or methods, processes or production unique to that person or would otherwise tend to affect adversely the

**SECTION B. General Plan Approval Requirements**

competitive position of that person by revealing trade secrets, including intellectual property rights, the Department will consider the record, report or information, or particular portion thereof confidential in the administration of the act. The Department will implement this section consistent with sections 112(d) and 114(c) of the Clean Air Act (42 U.S.C.A. § 7412(d) and 7414(c)). Nothing in this section prevents disclosure of the report, record or information to Federal, State or local representatives as necessary for purposes of administration of Federal, State or local air pollution control laws, or when relevant in a proceeding under the act.

#006 [25 Pa. Code § 127.12b]**Plan Approval Terms and Conditions**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.13]

(a) This plan approval will be valid for a limited time, as specified by the expiration date contained on Page 1 of this plan approval. Except as provided in § 127.11a and 127.215 (relating to reactivation of sources; and reactivation), at the end of the time, if the construction, modification, reactivation or installation has not been completed, a new plan approval application or an extension of the previous approval will be required.

(b) If construction has commenced, but cannot be completed before the expiration of this plan approval, an extension of the plan approval must be obtained to continue construction. To allow adequate time for departmental action, a request for the extension shall be postmarked at least thirty (30) days prior to the expiration date. The request for an extension shall include the following:

- (i) A justification for the extension,
- (ii) A schedule for the completion of the construction

If construction has not commenced before the expiration of this plan approval, then a new plan approval application must be submitted and approval obtained before construction can commence.

(c) If the construction, modification or installation is not commenced within 18 months of the issuance of this plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of 25 Pa. Code Chapter 127, Subchapter B (related to plan approval requirements), Subchapter D (related to prevention of significant deterioration of air quality), and Subchapter E (related to new source review) shall be submitted. The Department may extend the 18-month period upon a satisfactory showing that an extension is justified.

#007 [25 Pa. Code § 127.32]**Transfer of Plan Approvals**

(a) This plan approval may not be transferred from one person to another except when a change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the plan approval in writing.

(b) Section 127.12a (relating to compliance review) applies to a request for transfer of a plan approval. A compliance review form shall accompany the request.

(c) This plan approval is valid only for the specific source and the specific location of the source as described in the application.

#008 [25 Pa. Code § 127.12(a)(4) & 35 P.S. § 4008 & § 114 of the CAA]**Inspection and Entry**

(a) 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.

(b) The permittee shall also allow the Department to have access at reasonable times to said sources and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act and regulations adopted under the act.

**SECTION B. General Plan Approval Requirements**

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

#009 [25 Pa. Code 127.13a]**Plan Approval Changes for Cause**

This plan approval may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

(a) The permittee constructs or operates the source subject to the plan approval in violation of the act, the Clean Air Act, the regulations promulgated under the act or the Clean Air Act, a plan approval or permit or in a manner that causes air pollution.

(b) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

(c) The permittee fails to submit a report required by this plan approval.

(d) The Environmental Protection Agency determines that this plan approval is not in compliance with the Clean Air Act or the regulations thereunder.

#010 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The permittee, 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 plan approval, 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.

#011 [25 Pa. Code § 127.12c]**Submissions**

Reports, test data, monitoring data, notifications shall be submitted to the:

Regional Air Program Manager

PA Department of Environmental Protection

(At the address given on the plan approval transmittal letter or otherwise notified)

#012 [25 Pa. Code § 127.12(a)(9) & 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 facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:

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

**SECTION B. General Plan Approval 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 the Environmental Protection Agency 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 plan approval 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.

#013 [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).

#014 [25 Pa. Code § 127.25]**Compliance Requirement**

A person may not cause or permit the operation of a source subject to § 127.11 (relating to plan approval requirements), unless the source and air cleaning devices identified in the application for the plan approval and the plan approval issued to the source, are operated and maintained in accordance with specifications in the application and conditions in the plan approval issued by the Department. A person may not cause or permit the operation of an air contamination source subject to this chapter in a manner inconsistent with good operating practices.



SECTION C. Site Level Plan Approval Requirements

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

All conditions from the facility's Title V Operating Permit No. 33-00002 remain in effect unless modified in this plan approval.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this plan approval including Section B (relating to Plan Approval General Requirements).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Plan Approval Requirements**

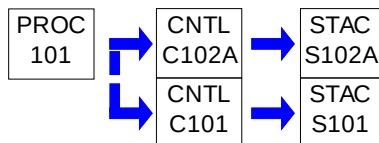
Source ID: 101

Source Name: RAW MATERIAL HANDLING & STORAGE

Source Capacity/Throughput:

30.000 Tons/HR

GLASS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

All conditions from the facility's Title V Operating Permit No. 33-00002 remain in effect unless modified in this plan approval.

**SECTION D. Source Level Plan Approval Requirements**

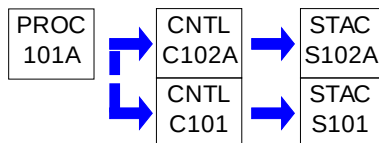
Source ID: 101A

Source Name: RAW MATERIAL STORAGE BINVENT

Source Capacity/Throughput:

30.000 Tons/HR

GLASS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) All conditions from the facility's Title V Operating Permit No. 33-00002 remain in effect unless modified in this plan approval.

(b) Source 101A will be incorporated into Source Group: PM CONTROL DEVICE REQTS of Operating Permit No. 33-00002 after submittal of an administrative amendment application to the Department.

**SECTION D. Source Level Plan Approval Requirements**

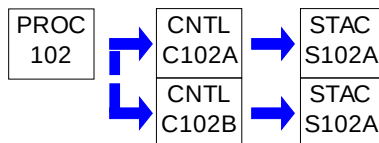
Source ID: 102

Source Name: BATCH GATHER & MIX

Source Capacity/Throughput:

37.200 Tons/HR

SAND MIXTURE

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

All conditions from the facility's Title V Operating Permit No. 33-00002 remain in effect unless modified in this plan approval.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 104

Source Name: GLASS FURNACE D

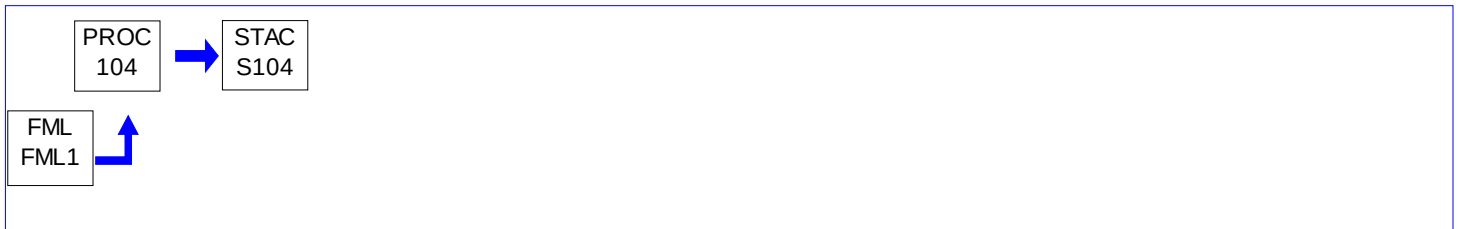
Source Capacity/Throughput:

16.700 Tons/HR

MOLTEN GLASS

84.660 MCF/HR

NATURAL GAS

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

No person may permit the emission into the outdoor atmosphere of particulate matter from any process listed in the following table, at any time, either in excess of the rate calculated by the formula 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.

$$E = 50 \times 22.08 = 1104 \text{ Where } F = 50 \text{ lbs/ton and } W = 22.08 \text{ Tons/hr}$$

$$A = .76 \times 1104^{.42} = 14.41 \text{ lbs/hr.}$$

002 [25 Pa. Code §123.21]**General**

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

003 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

[Plan Approval 33-002D]

(a) The permittee shall not emit NO_x 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 NO_x limit established through RACT I and with the 4.0-lb/ton of glass pulled NO_x limit of 25 PA Code 129.304(a)(1).]

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

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

(d) The permittee shall not emit SO_x 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.

**SECTION D. Source Level Plan Approval Requirements**

- (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 PM_{2.5} exceeding 0.99 lb/ton of glass melted in this furnace.
- (j) The permittee shall not emit PM_{2.5} 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), SO_x, PM₁₀ and PM_{2.5}. The facility shall stack test for NO_x 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), SO_x, PM₁₀, and PM_{2.5} 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 NO_x 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 PM_{2.5} limit, the facility will have to conduct actual PM_{2.5} testing (Method 201A and 202).

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

(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.

**SECTION D. Source Level Plan Approval Requirements**

(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 § 139.53(a)(1) and 139.53(a)(3):

(A) All submittals, besides notifications, shall be accomplished through PSIMS*Online, available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp>, when it becomes available.

(B) If internet submittal cannot be accomplished, one paper copy plus one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) shall be sent to both PSIMS Administration in Central Office and to Regional Office AQ Program Manager.

Paper copies shall be sent using the following mailing addresses:

CENTRAL OFFICE:

Pennsylvania Department of Environmental Protection
Attn: PSIMS Administrator
P.O. Box 8468
Harrisburg, PA 17105-8468

NORTHWEST REGIONAL OFFICE:

Pennsylvania Department of Environmental Protection
Attn: Air Quality Program Manager
230 Chestnut St.
Meadville, PA 16335

**SECTION D. Source Level Plan Approval Requirements**

Electronic copies shall be sent 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 Permittee shall take appropriate corrective actions. Within 30 days of the Permittee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permittee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permittee 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 Permittee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permittee 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 SO_x emission limits for this source. Stack testing shall be performed in accordance with 25 Pa. Code Chapter 139 for testing SO_x 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 NO_x, SO_x, PM, CO, & VOC.

**SECTION D. Source Level Plan Approval Requirements**

(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 plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

All conditions from the facility's Title V Operating Permit No. 33-00002 remain in effect unless modified in this plan approval.

**SECTION D. Source Level Plan Approval Requirements**

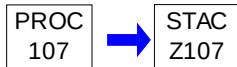
Source ID: 107

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 plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 108

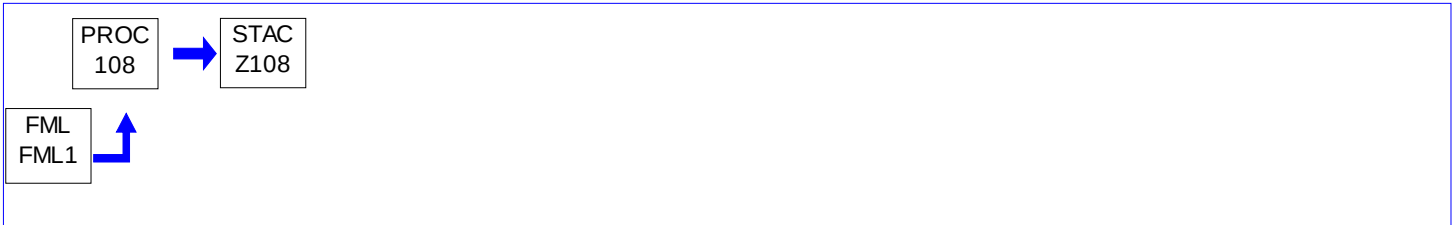
Source Name: REFINERS (2)

Source Capacity/Throughput:

6.000 MCF/HR

Natural Gas

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

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

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.(a) The permittee shall not emit NO_x exceeding 1.31 tpy based on a 12-month rolling total from the Furnace D Refiner (1).

(b) The permittee shall not emit VOC exceeding 0.07 tpy based on a 12-month rolling total from the Furnace D Refiner (1).

[Plan Approval 33-00002F]

Fuel Restriction(s).

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

II. TESTING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

To demonstrate compliance with plan approval-based emission limits for the Furnace D Refiner (1):

(a) The permittee shall maintain monthly records of emissions of NO_x and 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.

[Plan Approval 33-00002F]



SECTION D. Source Level Plan Approval Requirements

V. REPORTING REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 109

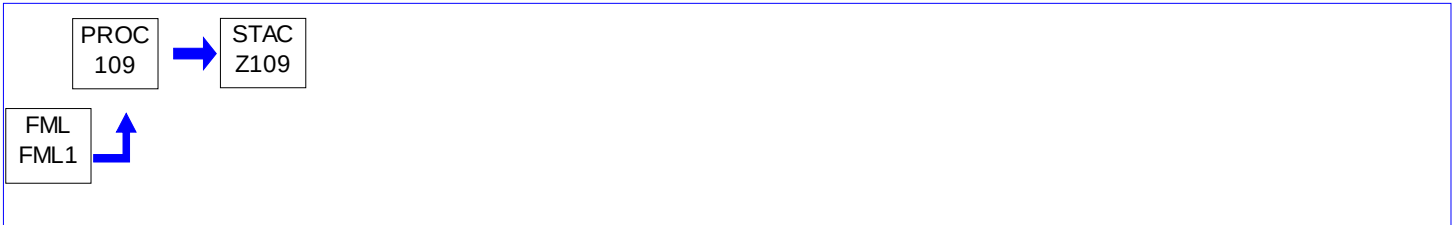
Source Name: FOREHEARTH (6)

Source Capacity/Throughput:

9.000 MCF/HR

Natural Gas

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

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall not emit NO_x exceeding 1.97 tpy based on a 12-month rolling total from the Furnace D Forehearth (D1, D3, & D4).

(b) The permittee shall not emit VOC exceeding 0.11 tpy based on a 12-month rolling total from the Furnace D Forehearth (D1, D3, & D4).

[Plan Approval 33-00002F]

Fuel Restriction(s).**# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

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

II. TESTING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

To demonstrate compliance with plan approval-based emission limits for the Furnace D Forehearth (D1, D3, & D4):

(a) The permittee shall maintain monthly records of emissions of NO_x and 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.

[Plan Approval 33-00002F]



SECTION D. Source Level Plan Approval Requirements

V. REPORTING REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 110

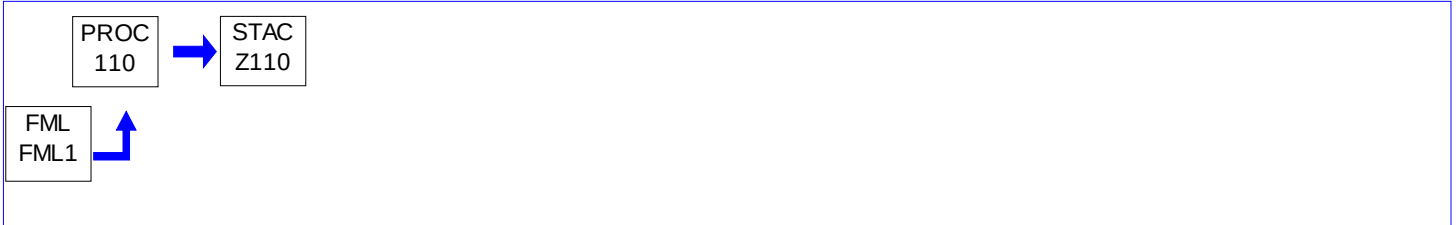
Source Name: ANNEALING LEHRS (6)

Source Capacity/Throughput:

22.440 MCF/HR

Natural Gas

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

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall not emit NO_x exceeding 4.47 tpy based on a 12-month rolling total from the existing Furnace D Annealing Lehrs (2).

(b) The permittee shall not emit VOC exceeding 0.25 tpy based on a 12-month rolling total from the existing Furnace D Annealing Lehrs (2).

[Plan Approval 33-00002F]

II. TESTING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

To demonstrate compliance with plan approval-based emission limits for the existing Furnace D Annealing Lehrs (2):

(a) The permittee shall maintain monthly records of emissions of NO_x and 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.

[Plan Approval 33-00002F]

V. REPORTING REQUIREMENTS.

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

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

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

VII. ADDITIONAL REQUIREMENTS.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This source consists of three (3) existing annealing lehrs for Furnace C and three (3) existing annealing lehrs for Furnace D. This plan approval authorizes the installation of one (1) new annealing Lehr for Furnace D to replace an existing Furnace D annealing Lehr.

[Plan Approval 33-00002F]

**SECTION D. Source Level Plan Approval Requirements**

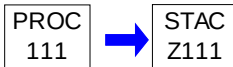
Source ID: 111

Source Name: CONTAINER FORMING MACHINES (6)

Source Capacity/Throughput:

2.880 Lbs/HR

LUBE SWAB

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval 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 plan approval including Section B (Plan Approval 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 plan approval including Section B (Plan Approval General Requirements).

**SECTION D. Source Level Plan Approval Requirements**

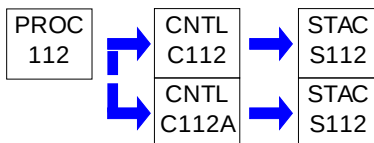
Source ID: 112

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 plan approval including Section B (Plan Approval 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 Plan Approval 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 ($\pm 2\%$) 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 Plan Approval Requirements

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: COMBUSTION SOURCES

Group Description: Requirements for refiner, forehearths, & lehrs

Sources included in this group

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

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval 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 plan approval including Section B (Plan Approval 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 Plan Approval 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 specifications and with good operating practices.

[25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(3) - 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 plan approval including Section B (Plan Approval General Requirements).

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Plan Approval facility.

**SECTION G. Emission Restriction Summary.**

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
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
14.600	Tons/Yr	based on a 12-month rolling total	VOC
108	REFINERS (2)		
Emission Limit		Pollutant	
1.310	Tons/Yr	based on 12-month rolling total	NOX
0.070	Tons/Yr	based on 12-month rolling total	VOC
109	FOREHEARTHS (6)		
Emission Limit		Pollutant	
1.970	Tons/Yr	based on a 12-month rolling total	NOX
0.110	Tons/Yr	based on a 12-month rolling total	VOC
110	ANNEALING LEHRS (6)		
Emission Limit		Pollutant	
4.470	Tons/Yr	based on 12-month rolling total	NOX
0.250	Tons/Yr	based on 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

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
3.200	Tons/Yr	based on a 12-month rolling total	VOC

Site Emission Restriction Summary

Emission Limit	Pollutant
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SECTION H. Miscellaneous.



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