NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding a Significant Modification to a Part 70 Operating Permit for Anchor Glass Container Corporation in Dearborn County
Significant Source Modification No.: 029-41972-00007
Significant Permit Modification No.: 029-41999-00007

The Indiana Department of Environmental Management (IDEM) has received an application from Anchor Glass Container Corporation, located at 200 Belleview Drive, Lawrenceburg, Indiana 47025, for a significant modification of its Part 70 Operating Permit issued on September 14, 2016. If approved by IDEM’s Office of Air Quality (OAQ), this proposed modification would allow Anchor Glass Container Corporation to make certain changes at its existing source. Anchor Glass Container Corporation has applied to incorporate Civil Action No. 18-cv-943 (Consent Decree) issued against Anchor Glass Container Corporation by the United States of America, State of Indiana, and Oklahoma Department of Environmental Quality.

This draft permit does not contain any new equipment that would emit air pollutants; however, some conditions from previously issued permits/approvals have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes (e.g., changes that add or modify synthetic minor emission limits). This notice fulfills the public notice procedures to which those conditions are subject. IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow for these changes.

A copy of the permit application and IDEM’s preliminary findings are available at:

Lawrenceburg Public Library
150 Mary Street
Lawrenceburg, IN 47025

and

IDEM Southeast Regional Office
820 West Sweet Street
Brownstown, IN 47220-9557

A copy of the preliminary findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/.

A copy of the preliminary findings is also available via IDEM’s Virtual File Cabinet (VFC.) Please go to: http://www.in.gov/idem/ and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria.

How can you participate in this process?

The date that this notice is posted on IDEM’s website (https://www.in.gov/idem/5474.htm) marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.
You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the air pollution impact of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM’s mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number SSM 029-41972-00007 and SPM 029-41999-00007 in all correspondence.

Comments should be sent to:

Kelcy Tolliver
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-63 IGCN 1003
Indianapolis, Indiana 46204-2251
(317) 234-6679 attn: Kelcy Tolliver
E-mail: KTollive@idem.IN.gov

All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor, or noise. For such issues, please contact your local officials.

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: http://www.in.gov/idem/airquality/2356.htm; and the Citizens' Guide to IDEM on the Internet at: http://www.in.gov/idem/6900.htm.

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above, at the local library indicated above, at the IDEM Regional Office indicated above, and the IDEM public file room on the 12th floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.

If you have any questions, please contact Kelcy Tolliver of my staff at the above address.

Josiah K. Balogun, Section Chief
Permits Branch
Office of Air Quality
Mr. Liam Curtin  
Anchor Glass Container Corporation  
200 West Belleview Drive  
Lawrenceburg, Indiana 47025  

Re: 029-41972-00007  
Significant Source Modification  

Dear Mr. Curtin:

Anchor Glass Container Corporation was issued Part 70 Operating Permit Renewal No. T029-36867-00007 on September 14, 2016 for a stationary glass container manufacturing plant located at 200 West Belleview Drive, Lawrenceburg, Indiana 47025. An application to modify the source was received on September 26, 2019. Pursuant to the provisions of 326 IAC 2-7-10.5, a Significant Source Modification is hereby approved as described in the attached Technical Support Document.

Pursuant to 326 IAC 2-7-10.5(b)(2) federal consent decree that is entered into for the purpose of resolving alleged violations is subject to a Significant Source Modification.

The following construction conditions are applicable to the proposed modification:

**Effective Date of the Permit**  
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

A copy of the permit is available on the Internet at: [http://www.in.gov/ai/appfiles/idem-caats/](http://www.in.gov/ai/appfiles/idem-caats/). A copy of the permit is also available via IDEM’s Virtual File Cabinet (VFC.) Please go to: [http://www.in.gov/idem/](http://www.in.gov/idem/) and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: [http://www.in.gov/idem/airquality/2356.htm](http://www.in.gov/idem/airquality/2356.htm); and the Citizens’ Guide to IDEM on the Internet at: [http://www.in.gov/idem/6900.htm](http://www.in.gov/idem/6900.htm).

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.

If you have any questions regarding this matter, please contact Kelcy Tolliver, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 234-6679 or (800) 451-6027, and ask for Kelcy Tolliver or (317) 234-6679.

Sincerely,

Josiah K. Balogun, Section Chief  
Permits Branch  
Office of Air Quality
DRAFT

Attachments: Significant Source Modification and Technical Support Document

cc: File - Dearborn County
Dearborn County Health Department
U.S. EPA, Region 5
Compliance and Enforcement Branch
IDEM Southeast Regional Office
Significant Source Modification
to a Part 70 Source

OFFICE OF AIR QUALITY

Anchor Glass Container Corporation
200 West Belleview Drive
Lawrenceburg, Indiana 47025

(herin known as the Permittee) is hereby authorized to construct subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses certain new source review requirements for new and/or existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions.

| Significant Source Modification No.: 029-41972-00007 |
| Master Agency Interest ID.: 14994 |

Issued by:
Josiah K. Balogun, Section Chief
Permits Branch
Office of Air Quality

Issuance Date:
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Attachment B: 40 CFR 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Attachment C: 40 CFR 60, Subpart CC - Standards of Performance for Glass Manufacturing Plants

Attachment D: 18cv-943, Consent Decree - Definitions
SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary glass container manufacturing plant.

Source Address: 200 W Bellevue Dr., Lawrenceburg, Indiana 47025
General Source Phone Number: 812-537-1655
SIC Code: 3221 (Glass Container Manufacturing)
County Location: Dearborn (Lawrenceburg Township)
Source Location Status: Nonattainment for 8-hour ozone standard
Attainment for all other criteria pollutants
Source Status: Part 70 Operating Permit Program
Major Source, under PSD and Emission Offset Rules
Minor Source, Section 112 of the Clean Air Act
Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

This stationary source consists of the following emission units and pollution control devices:

(a) One (1) natural gas, propane, or numbers 2, 4, or 6 fuel oil-fired glass furnace, identified as Furnace #2, constructed in 1959, with a maximum design capacity of 350 tons of glass per day, with no abatement equipment present and emissions exhausting to stack ST2; Stack ST2 has continuous emissions monitors (CEMs) for nitrogen oxides (NOx) and sulfur dioxide (SO2).

Under 40 CFR 60, Subpart CC, this unit is considered an affected facility.

(b) One (1) raw materials batch storage process, constructed in 1951, with a maximum capacity of 1000 tons per day, with emissions controlled by baghouses ST6, ST7, ST8, and ST9, constructed in 2005;

(c) One (1) raw materials batch weighing and mixing process, constructed in 1951, with a maximum capacity of 1000 tons per day, with emissions controlled by baghouses ST10, ST11, and ST12, constructed in 2005;

(d) One (1) raw materials batch silo, constructed in 1951, with a maximum capacity of 1000 tons per day, with emissions controlled by baghouses ST4 and ST5, constructed in 2005; and

(e) One (1) underground conveyor, constructed in 1951, with a maximum capacity of 1000 tons per day, controlled by a baghouse ST3, constructed in 2005.

(f) One (1) mold swabbing operation, consisting of four (4) individual treatment locations (identified as Shop #21, Shop #22, Shop #23, and Shop #24) servicing melting furnace #2, constructed in 1959, with a maximum combined capacity of 8.5 pounds of swabbing material per hour and exhausting through the building ventilation system.
(g) Four (4) natural gas fired annealing lehrs, associated with Shop #21, Shop #22, Shop #23, and Shop #24, having a total heat input of 15.7 mmBtu/hr and exhausting through the building ventilation system.

(h) One (1) hot end treatment operation, consisting of four (4) individual treatment locations (identified as Shop #21, Shop #22, Shop #23, and Shop #24) servicing melting furnace #2, constructed in 1959, with a maximum combined throughput of 1.5 pounds per hour and exhausting through the building ventilation system.

A.3 Specifically Regulated Insignificant Activities

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21), which are specifically regulated:

(a) Cullet crushing operations with a throughput of 24,000 tons per year [326 IAC 6.5-1-2];

(b) Four (4) parts washing stations used for maintenance purposes [326 IAC 8-3-2];

(c) Mold shop operations consisting of two (2) sandblasters and two (2) rotary table shot blast machines [326 IAC 6.5-1-2];

(d) One (1) cardboard baler with a throughput of less than 2,000 tons per year [326 IAC 6.5-1-2]; and

(e) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment [326 IAC 6.5-1-2].

(f) One (1) four stroke diesel-fired backup fire pump engine, identified as FP-02, approved in 2015 for construction, with a maximum capacity of 110 hp (80kw), and exhausting outside.

[Under 40 CFR 63, Subpart ZZZZ, this unit is considered an affected unit.]

[Under 40 CFR 60, Subpart IIII, this unit is considered an affected unit.]

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).
SECTION B  GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]
Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]
(a) This permit, T029-36867-00007, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]
Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-7-7][IC 13-17-12]
Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability [326 IAC 2-7-5(5)]
The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]
This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]
(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]
(a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:
(1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(35), and

(2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A "responsible official" is defined at 326 IAC 2-7-1(35).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source’s compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.
The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

(a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee’s control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

The Permittee shall implement the PMPs.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

1. An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

2. The permitted facility was at the time being properly operated;

3. During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

4. For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ or Southeast Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

   Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
   Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
   Facsimile Number: 317-233-6865
   Southeast Regional Office phone: (812) 358-2027; fax: (812) 358-2058.

5. For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

   Indiana Department of Environmental Management
   Compliance and Enforcement Branch, Office of Air Quality
   100 North Senate Avenue
   MC 61-53 IGCN 1003
   Indianapolis, Indiana 46204-2251

   within two (2) working days of the time when emission limitations were exceeded due to the emergency.

   The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

   (A) A description of the emergency;

   (B) Any steps taken to mitigate the emissions; and
(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(8) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

1. The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
2. The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
3. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
4. The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

(a) All terms and conditions of permits established prior to T029-36867-00007 and issued pursuant to permitting programs approved into the state implementation plan have been either:

1. incorporated as originally stated,
2. revised under 326 IAC 2-7-10.5, or
3. deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee’s right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source’s existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or
anticipated noncompliance does not stay any condition of this permit.

[326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

1. That this permit contains a material mistake.
2. That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
3. That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

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### B.16 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(42). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(b) A timely renewal application is one that is:

1. Submitted at least nine (9) months prior to the date of the expiration of this permit; and
2. If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source’s failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes
final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

(a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (c) without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:
The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b)(1) and (c)(1). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1) and (c)(1).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(37)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;
(2) The date on which the change will occur;
(3) Any change in emissions; and
(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ or U.S. EPA is required.
Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.21 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee’s right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]
B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)] [326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.
SECTION C SOURCE OPERATIONS CONDITIONS

Emission Limitations and Standards [326 IAC 2-7-5(1)]

C.1 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.2 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.3 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.4 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.5 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the attached plan as in Attachment A. The provisions of 326 IAC 6-5 are not federally enforceable.

C.6 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted by using ambient air quality modeling pursuant to 326 IAC 1-7-4. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of
326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Licensed Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.
Testing Requirements [326 IAC 2-7-6(1)]

C.8 Performance Testing [326 IAC 3-6]

(a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

(a) For new units:

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

(b) For existing units:

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance to begin such monitoring. If, due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

C.11 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. The analog instrument shall be capable of measuring values outside of the normal range.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.13 Risk Management Plan [326 IAC 2-7-5(11)] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.14 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

(a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;
(2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to normal or usual manner of operation.

c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records; and/or

(3) inspection of the control device, associated capture system, and the process.

d) Failure to take reasonable response steps shall be considered a deviation from the permit.

e) The Permittee shall record the reasonable response steps taken.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

Pursuant to 326 IAC 2-6-3(b)(3), starting in 2006 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(33) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.
The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following, where applicable:

( AA) All calibration and maintenance records.
(BB) All original strip chart recordings for continuous monitoring instrumentation.
(CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following, where applicable:

(AA) The date, place, as defined in this permit, and time of sampling or measurements.
(BB) The dates analyses were performed.
(CC) The company or entity that performed the analyses.
(DD) The analytical techniques or methods used.
(EE) The results of such analyses.
(FF) The operating conditions as existing at the time of sampling or measurement.

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

(c) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A), 326 IAC 2-2-8 (b)(6)(B), 326 IAC 2-3-2 (l)(6)(A), and/or 326 IAC 2-3-2 (l)(6)(B)) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(yy)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:

1. Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, document and maintain the following records:

   (A) A description of the project.
(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) Baseline actual emissions;

(ii) Projected actual emissions;

(iii) Amount of emissions excluded under section 326 IAC 2-2-1(pp)(2)(A)(iii) and/or 326 IAC 2-3-1 (kk)(2)(A)(iii); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(d) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A) and/or 326 IAC 2-3-2 (l)(6)(A)) that a “project” (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:

(1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

(2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2][326 IAC 2-3]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(35). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) The address for report submittal is:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

(e) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any “project” (as defined in 326 IAC 2-2-1 (oo) and/or 326 IAC 2-3-1 (jjj)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

1. The annual emissions, in tons per year, from the project identified in (c)(1) in Section C - General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (ww) and/or 326 IAC 2-3-1 (pp), for that regulated NSR pollutant, and

2. The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).

(f) The report for project at an existing emissions unit shall be submitted no later than sixty (60) days after the end of the year and contain the following:

1. The name, address, and telephone number of the major stationary source.

2. The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.

3. The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).

4. Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

(g) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C - General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.
Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction.
SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) natural gas, propane, or numbers 2, 4, or 6 fuel oil-fired glass furnace, identified as Furnace #2, constructed in 1959, with a maximum design capacity of 350 tons of glass per day, with no abatement equipment present and emissions exhausting to stack ST2; Stack ST2 has continuous emissions monitors (CEMs) for nitrogen oxides (NOx) and sulfur dioxide (SO2).

Under 40 CFR 60, Subpart CC, this unit is considered an affected facility.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Particulate Matter Limitations (PM) Except Lake County [326 IAC 6.5-3-2] [Consent Decree, Civil Action No. 18cv-943] [326 IAC 2-7-10.5(b)]

(a) Pursuant to 326 IAC 6.5-3-2(2) (Dearborn County Particulate Matter Limitations), the particulate matter emissions from Glass Furnace #2 shall not exceed 1.0 pound per ton and 42.80 tons per year.

(b) By no later than September 26, 2018, the Permittee shall only operate Furnace #2 using batch optimization. Furnace #2 shall comply with the emission limit of 1.00 lb per ton total PM. (CD ¶69)

(c) The abnormally low production rate day threshold for Furnace #2 is 105.8 tons per day. If increased production capacity is authorized by a revised permit limit, the abnormally low production rate day threshold will be thirty-five (35) percent of the new permitted production limit (or design production rate, where there is no permitted production limit) as determined on a daily basis. (CD ¶88-89)

The definitions of terms used in this consent decree are included as Attachment D of the operating permit. (CD ¶6)

D.1.2 Sulfur Dioxide (SO2) [326 IAC 7-1.1-1][326 IAC 7-2-1] [Consent Decree, Civil Action No. 18cv-943] [326 IAC 2-7-10.5(b)]

(a) Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), the SO2 emissions from Furnace #2, when combusting no.2 fuel oil, shall not exceed 0.5 pound per million Btu of heat input. In order to comply with this limit, the sulfur content of the no. 2 fuel oil shall not exceed 0.5 weight percent.

(b) No later than September 26, 2018, the 30-day rolling average emission rate for Furnace #2 shall not exceed the 30-day rolling average emission limit of 1.20 lbs SO2 per ton of glass produced. (CD ¶41)

(c) During the first seven (7) days of the furnace startup period, the Permittee shall limit the amount of sulfur added to the batch materials to 2.6 pounds per ton of total batch material (including cullet) or less. (CD ¶52)

(d) For any abnormally low production rate days, the Permittee may elect to exclude that day and the emissions generated during that day from the 30-day rolling average emission rate for Furnace #2. For any day excluded from the 30-day rolling average emission rate as an abnormally low production rate day, the 24-hour block emission rate from the
relevant furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: (CD ¶53)

\[
SO2 \text{ BOAbn} = 1.2 \frac{lb \; SO2}{ton} \times \frac{P}{0.35}
\]

Where: SO2 BO Abn = SO2 emission limit for Furnace #2 with batch optimization during an abnormally low production rate day, in pounds per day.

\[P = \text{Furnace-specific production threshold, in tons of glass produced per day.}\]

(e) For any operating day during which a malfunction of the furnace system occurs for any period of time, the Permittee may elect to exclude that day and the emissions generated during that operating day from the 30-day rolling average emission rate for Furnace #2. For any day excluded from the 30-day rolling average emission rate for such a malfunction, the 24-hour block emission rate from the relevant furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: (CD ¶54)

\[
SO2 \text{ BOMalf} = 1.25 \times SO2 \text{ BOAbn}
\]

Where: SO2 BO Malf = SO2 emission limit for Furnace #2 with batch optimization during a malfunction day, in pounds per day

SO2 BO Abn = SO2 emission limit for Furnace #2 with batch optimization during an abnormally low production rate day, in pounds per day.

(f) For any operating day during which maintenance activities on the furnace are performed, the Permittee may elect to exclude that day and the emissions generated during that operating day from the 30-day rolling average emission rate for Furnace #2. For any day which is excluded from the 30-day rolling average emission rate for such maintenance, the 24-hour block emission rate from the furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: (CD ¶55)

\[
SO2 \text{ BOMaint} = \frac{MH \times [1.25 \times SO2 \text{ BOAbn}]}{24} + \frac{NH \times [SO2 \text{ BOAbn}]}{24}
\]

Where: SO2 BO Maint = SO2 emission limit for Furnace #2 with batch optimization during a maintenance day, in pounds per day.

SO2 BO Abn = SO2 emission limit for Furnace #2 with batch optimization during an abnormally low production rate day, in pounds per day.

\[MH = \text{Hours of maintenance}\]

\[NH = \text{Normal Hours} = 24 - MH\]

(g) For any operating days during which a color transition is occurring, the Permittee may elect to exclude the emissions on such days from the 30-day rolling average emission rate for Furnace #2. For any day excluded from the 30-day rolling average emission rate for color transition, the 24-hour block emission rate from the furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: (CD ¶56)

\[
SO2 \text{ ColTran} = 2 \times SO2 \text{ BOAbn}
\]

Where: SO2 Col Tran = SO2 emission limit for Furnace #2 during a color transition, in pounds per day.
D.1.3 Sulfur Dioxide (SO₂) [326 IAC 7-4]

Pursuant to 326 IAC 7-4 (Dearborn County Sulfur Dioxide Emission Limitations), the SO₂ emissions from Furnace #2, when combusting no. 6 fuel oil, shall not exceed 1.4 pounds per million Btu of heat input. In order to comply with this limit, the sulfur content of the no. 6 fuel oil shall not exceed 1.28 weight percent.

D.1.4 NOx Emission Limitations [Consent Decree, Civil Action No. 18cv-943] [326 IAC 2-7-10.5(b)]

After the next cold tank repair, but no later than July 31, 2020, the permittee shall install, maintain, and operate Furnace #2 using Oxyfuel technology such that the gas that provides the oxidant for combustion of the fuel is at least ninety (90) percent oxygen. (CD ¶7-8)

In lieu of installing an Oxyfuel furnace, the permittee may elect to install, maintain and continuously operate SCR during the operation of Furnace #2.

Option 1: Oxyfuel Technology Furnace

Commencing on the first operating day after completion of the furnace startup period and CEMS certification, but no later than July 31, 2020, Furnace #2 shall not exceed the 30-day rolling average emission limit of 1.20 pounds of NOx per ton of glass produced, as measured using a certified NOx CEMS. (CD ¶7,12)

For any abnormally low production rate days, the Permittee may elect to exclude that day and the emissions generated during that day from the 30-day rolling average emission rate for Furnace #2. For any day excluded from the 30-day rolling average emission rate as an abnormally low production rate day, the 24-hour block emission rate from the furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: (CD ¶13)

\[ \text{NOx oxyAbn} = 1.2 \times \frac{lb \text{ NOx}}{ton} \times \frac{P}{0.35} \]

Where: NOX oxy Abn = NOX emission limit for an Oxyfuel Furnace during an abnormally low production rate day, in pounds per day.

P = Furnace-specific production threshold, in tons of glass produced per day as defined in D.1.1(c).

NOX Limits for Oxyfuel Furnaces during furnace startup are as follows: (CD ¶14)

a. The Permittee shall burn no more than 6.5 million standard cubic feet of natural gas in Furnace #2 during the initial heating phase of the furnace startup.

b. The Permittee shall comply with the following operational limits to limit NOX emissions during the refractory soak and seal phase of the furnace startup:

i. Burn no more than 75 million standard cubic feet of natural gas in Furnace #2;

ii. Limit excess oxygen below 5.0 percent at the furnace exhaust flue, as determined by handheld monitor, once per shift;

iii. Limit hot spot temperature to 2900 degrees F; and

iv. Use thermal blankets or similar techniques to minimize air infiltration until expansion joints are sufficiently closed.

c. The Permittee shall comply with the following operational limits to limit NOX emissions during the furnace stabilization phase of the furnace startup:
i. Burn no more than 50 million standard cubic feet of natural gas in Furnace #2;
ii. Limit excess oxygen below 5.0 percent at the furnace exhaust flue, as determined by handheld monitor, once per shift; and
iii. Limit hot spot temperature to 2900 degrees F.

For any operating day during which a malfunction of the furnace occurs for any period of time, the Permittee may elect to exclude that day and the emissions generated during that operating day from the 30-day rolling average emission rate for Furnace #2. For any day excluded from the 30-day rolling average emission rate for such a malfunction, the 24-hour block emission rate from the relevant furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: (CD ¶15)

\[
\text{NOx oxyMalf} = 4 \times \text{NOxoxyAbn}
\]

Where: NOX Oxy Malf = NOX emission limit for an Oxyfuel Furnace during a malfunction day, in pounds per day.
NOX Oxy Abn = NOX emission limit for an Oxyfuel Furnace during an abnormally low production rate day, in pounds per day as defined in D.1.1(c).

For any operating day during which maintenance activities on the furnace are performed, the Permittee may elect to exclude that day and the emissions generated during that operating day from the 30-day rolling average emission rate for Furnace #2. For any day excluded from the 30-day rolling average emission rate for such Maintenance, the 24-hour block emission rate from the furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: (CD ¶16)

\[
\text{NOx oxyMaint} = \frac{MH \times [4 \times \text{NOxoxyAbn}]}{24} + \frac{NH \times [\text{NOxoxyAbn}]}{24}
\]

Where: NOX Oxy Maint = NOX emission limit for an Oxyfuel Furnace during a maintenance day, in pounds per day.
NOX Oxy Abn = NOX emission limit for an Oxyfuel Furnace during an abnormally low production rate day, in pounds per day as defined in D.1.1(c).
MH = Hours of maintenance
NH = Normal Hours = 24 – MH

Option 2: SCR
If the Permittee chooses to operate SCR, the first operating day after the next cold tank repair, but no later than July 31, 2020, the Permittee shall operate Furnace #2 passing all stack gases through an SCR (except during up to the first ten (10) days of a furnace startup; during a malfunction of the SCR, scrubber system, or ESP; or during maintenance of the SCR, scrubber system, or ESP) in compliance with the following requirements: (CD ¶18-24)

a. Each SCR must be designed to achieve a NOx removal efficiency of at least 90 percent; and

b. While each SCR is operating, the Permittee shall continuously operate and maintain the SCR, including the SCR catalyst, according to all applicable manufacturer’s specification and with good air pollution control practices for minimizing emissions consistent with 40 C.F.R. § 60.11(d) in order to minimize NOx emissions to the extent practicable taking into consideration ammonia slip.
Commencing on the first operating day after completion of the furnace startup period and CEMS certification, but no later than July 31, 2020, Furnace #2 shall not exceed the 30-day rolling average emission limit of 1.20 pounds of NOX per ton of glass produced, as measured using a certified NOX CEMS.

For any abnormally low production rate days, the Permittee may elect to exclude that day and the emissions generated during that day from Furnace #2 connected to that SCR from the 30-day rolling average emission rate. For any day excluded from the 30-day rolling average emission rate as an abnormally low production rate day, the 24-hour block emission rate from the furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS:

\[ \text{NOx scrAbn} = 1.2 \frac{lb \text{ NOx}}{ton} \times \frac{P}{0.35} \]

Where: NOX SCR Abn = NOX emission limit for Furnace #2 with SCR during an abnormally low production rate day, in pounds per day.

P = Furnace-specific production threshold, in tons of glass produced per day as defined in D.1.1(c).

For no more than the first ten (10) days of a furnace startup, the exhaust for Furnace #2 with SCR may bypass the SCR to avoid having the operating inlet temperature of the SCR fall below its operational range. During the days that furnace exhaust bypasses the SCR, the Permittee shall burn no more than 14 million standard cubic feet of natural gas in Furnace #2.

For any operating day during a SCR control device startup or where a malfunction of the SCR, scrubber system, or ESP occurs, the Permittee may elect to exclude the emissions generated during that day from Furnace #2 connected to the SCR from the 30-day rolling average emission rate. For any day excluded from the 30-day rolling average emission rate pursuant to this paragraph, the 24-hour block emission rate from the relevant furnace(s) shall not exceed the following 24-hour block limit, as demonstrated using a CEMS:

\[ \text{NOx SCRMalfCDstart} = 5 \times \text{NOxSCRAbn} \]

Where: NOX SCR Malf CD start = NOX emission limit for Furnace #2 with SCR during a day when a control device malfunction or SCR control device startup is occurring, in pounds per day.

NOX Oxy Abn = NOX emission limit for Furnace #2 with SCR during an abnormally low production rate day, in pounds per day as defined in D.1.1(c).

For any operating day during which maintenance activities on the SCR, scrubber system, or ESP are performed, the Permittee may elect to exclude the emissions generated during that maintenance day from Furnace #2 connected to the SCR from the 30-day rolling average emission rate. For any day excluded from the 30-day rolling average emission rate pursuant to this paragraph, the 24-hour block emission rate from the relevant furnace(s) shall not exceed the following 24-hour block limit, as demonstrated using a CEMS:

\[ \text{NOx SCRMaint} = \frac{MH \times [5 \times \text{NOxSCRAbn}]}{24} + \frac{NH \times [\text{NOxSCRAbn}]}{24} \]

Where: NOX SCR Maint = NOX emission limit for Furnace #2 with SCR during a maintenance day, in pounds per day.

NOX Oxy Abn = NOX emission limit for Furnace #2 with SCR during an abnormally low production rate day, in pounds per day.

MH = Hours of maintenance
Commencing on the first operating day for each Furnace with an SCR, and during all times when an SCR control device is operated, the Permittee shall limit the ammonia slip from the SCR to 10 parts per million volume dry basis (“ppmvd”) or less, corrected to 15 percent oxygen (“O2”).

D.1.5 Emission Credit Generation [Consent Decree, Civil Action No. 18cv-943] [326 IAC 2-7-10.5(b)]

Pursuant to the consent decree (CD ¶108-111), the Permittee shall neither generate nor use any CD emissions reductions: as netting reductions; as emissions offsets; or to apply for, obtain, trade, or sell any emission reduction credits. For projects achieving CD emissions reductions, and projects implemented concurrently with or after either projects, controls, or actions achieving CD emissions reductions or the deadline for implementing such projects, controls or actions achieving CD emissions reductions, whichever comes first, baseline actual emissions during any 24-month period selected by the Permittee shall be adjusted downward to exclude any portion of the baseline emissions that would have exceeded the limits specified in Section IV (Compliance Requirements) had the Permittee been complying with this Consent Decree during that 24-month period. Any plant-wide applicability limits (PALs) or other multi-emission unit applicability limits that apply to Furnace #2 must be adjusted downward, in conjunction with projects achieving CD emissions reductions, to exclude any portion of the baseline emissions used in establishing such limit(s) that would have been eliminated as CD emissions reductions had the Permittee been complying with this Consent Decree during such baseline period.

The Permittee may use past actual emissions from Furnace #2 as baseline actual emissions in the actual –to-projected-actual applicability test for the following projects: First, for an increase in production rate achieved in conjunction with the first cold tank repair at Furnace #2 following entry of this Decree; second, for an increase in production rate achieved in conjunction with the installation of a scrubber system and ESP. Utilization of this exception is subject to each of the following conditions:

a. If use of past actual emissions from Furnace #2 as baseline actual emissions in the actual-to-projected-actual applicability test leads to the calculation of a negative (below zero) emissions increase at that emissions unit, the emissions increase at that emissions unit shall be considered equal to zero in determining whether the project will result in a significant emissions increase;

b. Use of past actual emissions under this exception to the prohibition does not extend to any use of past actual emissions in determining the net emissions increase from the major stationary source. However, if past actual emissions are used under this exception to the prohibition, then baseline actual emissions for that furnace in any subsequent netting analysis shall be based upon a rate no greater than the projected actual emissions determined as a result of the use of this exception to the prohibition;

c. The Permittee shall still be subject to all federal and state regulations applicable to the PSD, Non-attainment NSR, and/or Minor NSR permitting process; and

d. The Permittee shall provide notice of such project(s) to EPA (including copies of all permit applications and other relevant documentation submitted to the permitting authority) upon submission of a permit application for the projects(s) to the permitting authority, or thirty (30) days prior to implementing a project, control or action using this exception to the prohibition, whichever comes first.

Nothing in the Consent Decree shall preclude the Permittee from using, selling, or transferring emission credits of NOX, SO2, and PM, that may be generated as a result of achieving and maintaining emission rates (including by permanently shutting down Furnace #2) that are more
stringent than the emission limits required by Section IV (Compliance Requirements) so long as the Permittee: (i) timely reports the generation of such surplus emissions credits in accordance with Section IX (Reporting Requirements) of the Consent Decree and (ii) accepts the more stringent emission rate(s) in a federally enforceable permit for the applicable covered facility.

Nothing in this Section VIII (Emission Credit Generation) is intended to prohibit the Permittee from seeking to:

a. Use or generate emission reductions from emissions units that are covered by this Consent Decree to the extent that the proposed emission reductions represent the difference between CD emissions reductions and more stringent control requirements that the Permittee may elect to accept for those emissions units in a permitting process, so long as the Permittee: (i) timely reports the generation of any resulting emissions credits in accordance with Section IX (Reporting Requirements) of the Consent Decree and (ii) accepts the more stringent emission rate(s) in a federally enforceable permit for the applicable covered facility;

b. Use or generate emission reductions from emissions units that are not subject to an emission limitation or control requirement pursuant to this Consent Decree; or

c. Use CD emissions reductions for compliance with any rules or regulations designed to address regional haze or the non-attainment status of any area (excluding PSD and non-attainment NSR rules, but including, for example, RACT rules) that apply to the facility; provided, however, that the Permittee shall not be allowed to trade or sell any CD Emissions Reductions.

D.1.6 Preventive Maintenance Plan [326 IAC 2-7-5(12)] [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities and all control devices. Section B - Preventive Maintenance Plan contains the Permittee’s obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements [326 IAC 2-7-5(1)]

D.1.7 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Conditions D.1.2 and D.1.3 shall be determined utilizing one of the following options:

(a) Pursuant to 326 IAC 3-7-4 (Fuel Oil Sampling; Analysis Methods), the Permittee shall demonstrate that the sulfur content of #2 fuel oil does not exceed five-tenths percent (0.5%) by weight and that the sulfur content of #6 fuel oil does not exceed 1.28 percent by weight by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a certification;

(2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the boiler using 40 CFR 60, Appendix A, Method 6 in accordance with the
procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

D.1.8 Particulate Matter (PM)

In order to demonstrate compliance with the tons per year limit in Condition D.1.1, the Permittee shall use the following equation:

\[
\text{Glass Produced by Furnace #2 (tons/year)} \times \text{EF} \times \frac{1 \text{ ton}}{2000 \text{lb}} \leq 42.80 \text{ tons/year of PM.}
\]

Where EF = PM lb per ton of glass produced established by the most recent IDEM approved test.

D.1.9 Testing Requirements [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11] [Consent Decree, Civil Action No. 18cv-943]

(a) In order to demonstrate compliance with Condition D.1.1, the Permittee shall perform PM testing of the Furnace #2 utilizing methods as approved by the Commissioner at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C – Performance Testing contains the Permittee’s obligation with regard to the performance testing required by this condition.

(b) In order to demonstrate compliance with Condition D.1.1(b), the Permittee shall comply with the emission limit specified through annual stack tests and using EPA Test Method 5 (40 CFR 60, Appendix A-3) and EPA Test Method 202 (40 CFR 60, Appendix M). The Permittee shall conduct an initial stack test on Furnace #2 no later than six (6) months after September 26, 2018 and once each calendar year thereafter. (CD ¶70)

(c) If the Permittee chooses to operate SCR after the next cold tank repair, but no later than July 31, 2020, ammonia stack testing shall be conducted as part of each of the annual PM-10 stack tests that are required. All ammonia stack testing conducted during the life of this Consent Decree shall be conducted in accordance with a test protocol approved by EPA. After termination of this Consent Decree, all ammonia stack testing shall be conducted in accordance with a test protocol approved by IDEM. (CD ¶24)

D.1.10 Consent Decree Requirements [Consent Decree, Civil Action No. 18cv-943]

(a) At all times, including during abnormally low production rate days, a furnace startup, a control device startup, malfunction of Furnace #2, malfunction of any control device, maintenance of Furnace #2, maintenance of any control device, and color transition, the Permittee shall in accordance with 40 CFR 60.11(d), maintain and operate Furnace #2 and maintain and continuously operate all control devices and any other associated air pollution control equipment. (CD ¶81)

(b) Any operating day that is excluded from the applicable 30-day rolling average emission rate because of maintenance being performed on a control device or Furnace #2 is subject to the following restrictions and must comply with the following requirements: (CD ¶82)

(i) Scheduled or preventive furnace maintenance, including checker raking and burning, shall not exceed ninety-six (96) operating hours annually and shall be conducted only when all downstream control devices required by this Consent Decree, if applicable, are operating.

(ii) Scheduled or preventive maintenance of control devices shall occur and shall be completed only while Furnace #2 connected to the control device(s) is not
operating, unless the furnace connected to the control device is scheduled to have a continuous operating year. During a continuous operating year, scheduled or preventive maintenance on control devices may be conducted while Furnace #2 connected to the control device(s) is operating. All control device maintenance occurring during a continuous operating year must also be performed in accordance with the following requirements:

1. Maintenance lasting greater than twenty-four (24) consecutive hours shall occur only during abnormally low production rate days.

2. Bypassing of any control device for the purpose of preventive maintenance shall not exceed one hundred forty-four (144) total hours per calendar year, for NOx and SO2, or six (6) days per calendar year, for PM (in accordance with NSPS Subpart CC).

3. If an ESP is bypassed, the associated scrubber system must be bypassed as well.

(c) The facility entered into a Consent Decree with the United States Environmental Protection Agency, United States District Court for the Middle District of Florida Jacksonville Division. Civil Action No. 3:18-cv-943-J-39JBT and Anchor Glass Container Corporation, Inc. In the event of any conflict between the conditions contained in this permit pursuant to the Consent Decree and terms of the Consent Decree, the Consent Decree shall control.

### Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

#### D.1.11 Visible Emissions Notations

(a) Daily visible emission notations of the Furnace #2 stack, identified as ST2, exhaust shall be performed during normal daylight operations when burning fuel oil, when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take a reasonable response. Section C – Response to Excursions and Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

#### D.1.12 Continuous Emissions Monitoring System (CEMS) for SO2 and NOx [Consent Decree, Civil Action No. 18cv-943]

(a) SO2 CEMS (CD ¶74-80)

The Permittee shall install, calibrate, certify, maintain, and operate SO2 CEMS at Furnace #2 in accordance with the requirements specified in Consent Decree Section IV.D (CEMS Installation, Calibration, Certification, Maintenance, and Operation), 40 CFR 60.13, (including but not limited
to the 40CFR 60.13(h) provisions regarding data reduction, and the provisions for validating partial operating hours which shall apply), 40 CFR Part 60 Appendix B (Performance Specification 2), and 40 CFR Part 60 Appendix F (Quality Assurance Procedures) by no later than twelve (12) months from September 26, 2018. The SO2 CEMS must monitor and record the hourly SO2 emission concentrations (in parts per million (ppm)) during each operating day. Provided further, that in the event Furnace #2 is not in operation at the time it is otherwise required to meet the requirements, Furnace #2 shall not resume operation unless and until such SO2 CEMS has been installed on such Furnace; and such Furnace shall meet all other requirements within ninety (90) days following the date on which it resumes operation. On and after the date by which a CEMS is required to be installed, the Permittee shall use CEMS to demonstrate compliance with the relevant SO2 limits in Condition D.1.2.

When determining compliance using a certified SO2 CEMS, calculation of the 30-day rolling average emission rate may exclude emissions during the following periods: furnace startup, abnormally low production rate days; malfunction of the Furnace; maintenance of the furnace; and color transition.

(b) NOx CEMS (CD ¶74-80)
The Permittee shall install, calibrate, certify, maintain, and operate NOX CEMS at Furnace #2 in accordance with the requirements specified in Consent Decree Section IV.D (CEMS Installation, Calibration, Certification, Maintenance, and Operation) by no later than twelve (12) months from September 26, 2018 for Furnace #2. Provided further, that in the event Furnace #2 is not in operation at the time it is otherwise required to meet the requirements, such furnace shall not resume operation unless, and until such NOx CEMS has been installed on such furnace; and such furnace shall meet all other requirements within ninety (90) days following the date on which it resumes operation. On and after the date by which a CEMS is required to be installed, the Permittee shall use CEMS to demonstrate compliance with the relevant NOX limits in Condition D.1.4.

Option 1: Oxyfuel Technology Furnace
When determining compliance using a certified NOx CEMS, calculation of the 30-day rolling average emission rate may exclude emissions during the following periods: abnormally low production rate days; furnace startup; malfunction of the furnace; and maintenance of the furnace.

Option 2: SCR
When determining compliance using a certified NOx CEMS, calculation of the 30-day rolling average emission rate may exclude emissions during the following periods: abnormally low production rate days; up to the first ten (10) days of a furnace startup; control device startup; malfunction of the SCR, scrubber system, or ESP; and maintenance of the SCR, scrubber system, or ESP.

Record Keeping and Reporting Requirements  [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.13 Record Keeping Requirements

(a) To document the compliance status with Condition D.1.2 and D.1.3, the Permittee shall maintain records in accordance with (1) through (6) below.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions from the combustion of fuel oil pounds per million Btu of heat input;

(3) The calendar month average heat content of the fuel oil used;
(4) The calendar month average sulfur content of the fuel oil used;

(5) A certification, signed by the owner or operator, that the records of the fuel oil supplier certifications represent all of the fuel oil combusted during the period; and

(6) Fuel oil supplier certifications, which shall contain, as a minimum, the following:

(i) The name of the fuel oil supplier; and

(ii) A statement from fuel oil supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

(b) To document the compliance status with Condition D.1.8 – Visible Emission Notation, the Permittee shall maintain records once per day of visible emission notations of the Furnace #2 stack, identified as ST2, exhaust during normal operation. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the process did not operate that day).

(c) To document the compliance status with Condition D.1.1, the Permittee shall maintain glass throughput of the Furnace #2.

(d) To document the compliance status with the consent decree in Conditions D.1.2 and D.1.4, the Permittee shall maintain records on the hourly NOx and SO2 emissions as calculated using CEMs data, the daily production rate, the 30-day rolling average emissions rate as applicable, and all results from source tests conducted pursuant to the consent decree. For any operating days that the Permittee excludes from the 30 day rolling average emissions rate for NOx and SO2, the Permittee shall record the date, the relevant exception pursuant to which the Permittee is excluding emissions generated during that operating day, a calculation of the applicable emission limit, the 24-hour block emission rate calculated using data recorded by the CEMs, an explanation and corrective actions taken in the event of a malfunction, and the total number of hours in the event that maintenance occurred.

During furnace startup, the Permittee shall maintain records of the amount of salt cake added to the batch materials, the total natural gas usage in the furnace, the excess oxygen percentage, hot spot temperature measured once per shift, and a description of whether thermal blankets or similar techniques were used during this period.

(e) Section C- General Record Keeping Requirements contains the Permittee’s obligations with regard to the records required by this condition.

D.1.14 Reporting Requirements

A quarterly summary of the information required to document the compliance status with Condition D.1.1 shall be submitted using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting Requirements contains the Permittee’s obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a
certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official,” as defined by 326 IAC 2-7-1(35).
SECTION D.2  EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(b) One (1) raw materials batch storage process, constructed in 1951, with a maximum capacity of 1000 tons per day, with emissions controlled by baghouses ST6, ST7, ST8, and ST9, constructed in 2005;

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Particulate Matter Limitations (PM) Except Lake County [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (Particulate Emission Limitations (PM) Except Lake County), the particulate matter emissions from the raw materials batch storage process shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

D.2.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)] [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities and all control devices. Section B - Preventive Maintenance Plan contains the Permittee’s obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements [326 IAC 2-7-5(1)]

D.2.3 Particulate (PM) Control [326 IAC 2-7-6(1)]

The baghouses identified as ST6, ST7, ST8, and ST9 shall be in operation and control emissions from the batch storage process at all times that the process is in operation, in order to comply with the limit in condition D.2.1.

D.2.4 Broken or Failed Bag Detection [326 IAC 2-7-6(1)]

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

D.2.5 Visible Emissions Notations

(a) Daily visible emission notations of the baghouses ST6, ST7, ST8, and ST9 stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take a reasonable response. Section C – Response to Excursions and Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.2.6 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouses ST6, ST7, ST8, and ST9 used in conjunction with the raw materials batch storage process, at least once per day when the process is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouses ST6, ST7, ST8, and ST9 is outside the normal range of 2.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.7 Record Keeping Requirements

(a) To document the compliance status with Condition D.2.4, the Permittee shall maintain records of daily visible emission notations of the raw materials batch storage process stack exhaust. The Permittee shall include in its record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the process did not operate that day).

(b) To document the compliance status with Condition D.2.6, the Permittee shall maintain the following:

Daily records of the pressure drop across the baghouses during normal operation when venting to the atmosphere. The Permittee shall include in its record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g., the process did not operate that day).

(C) Section C- General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.
SECTION D.3  EMISSIONS UNIT OPERATION CONDITIONS

**Emissions Unit Description:**

(c) One (1) raw materials batch weighing and mixing process, constructed in 1951, with a maximum capacity of 1000 tons per day, with emissions controlled by baghouses ST10, ST11, and ST12, constructed in 2005;

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

D.3.1 Particulate Matter Limitations (PM) Except Lake County [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (Particulate Emission Limitations (PM) Except Lake County), the particulate matter emissions from the raw materials batch weighing and mixing process shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

D.3.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)] [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities and all control devices. Section B - Preventive Maintenance Plan contains the Permittee’s obligation with regard to the preventive maintenance plan required by this condition.

**Compliance Determination Requirements [326 IAC 2-7-5(1)]**

D.3.3 Particulate (PM) Control [326 IAC 2-7-6(1)]

The baghouses ST10, ST11, and ST12 shall be in operation and control emissions from the batch weighing and mixing process at all times that the process is in operation, in order to comply with the limit in condition D.3.1.

D.3.4 Broken or Failed Bag Detection [326 IAC 2-7-6(1)]

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse’s pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

**Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]**

D.3.5 Visible Emissions Notations

(a) Daily visible emission notations of the baghouses ST10, ST11, and ST12 stack exhausts shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.3.6 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouses ST10, ST11, and ST12 used in conjunction with the raw materials batch weighing and mixing process, at least once per day when the process is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouses ST10, ST11, and ST12 is outside the normal range of 2.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.3.7 Record Keeping Requirements

(a) To document the compliance status with Condition D.3.4, the Permittee shall maintain records once per day of visible emission notations of the raw materials batch weighing and mixing process stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the process did not operate that day).

(b) To document the compliance status with Condition D.3.6, the Permittee shall maintain the following:

Daily records of the pressure drop across the baghouses during normal operation when venting to the atmosphere. The Permittee shall include in its record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g., the process did not operate that day).

(c) Section C- General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.
SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(d) One (1) raw materials batch silo, constructed in 1951, with a maximum capacity of 1000 tons per day, with emissions controlled by baghouses ST4 and ST5, constructed in 2005; and

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.4.1 Particulate Matter Limitations (PM) Except Lake County [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (Particulate Emission Limitations (PM) Except Lake County), the particulate matter emissions from the raw materials batch silo shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

D.4.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)] [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities and all control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements [326 IAC 2-7-5(1)]

D.4.3 Particulate (PM) Control [326 IAC 2-7-6(1)]

The baghouses ST4 and ST5 shall be in operation and control emissions from the batch silo at all times that the process is in operation, in order to comply with the limit in condition D.4.1.

D.4.4 Broken or Failed Bag Detection [326 IAC 2-7-6(1)]

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

D.4.5 Visible Emissions Notations

(a) Daily visible emission notations of the baghouses ST4 and ST5 stack exhausts shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or
expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take a reasonable response. Section C – Response to Excursions and Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.4.6 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouses ST4, and ST5 used in conjunction with the raw materials batch silo, at least once per day when the process is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouses ST4, and ST5 is outside the normal range of 2.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Condition C.14 – Instrument Specifications, of this permit, shall be subject to approved by IDEM, OAQ and shall be calibrated at least once every six (6) months.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.4.7 Record Keeping Requirements

(a) To document the compliance status with Condition D.4.4, the Permittee shall maintain records once per day of visible emission notations of the raw materials batch silo stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the process did not operate that day).

(b) To document the compliance status with Condition D.4.6, the Permittee shall maintain the following:

Daily records of the pressure drop across the baghouses during normal operation when venting to the atmosphere. The Permittee shall include in its record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g., the process did not operate that day).

(c) Section C- General Record Keeping Requirements contains the Permittee’s obligations with regard to the records required by this condition.
SECTION D.5  EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(e) One (1) underground conveyor, constructed in 1951, with a maximum capacity of 1000 tons per day, controlled by a baghouse ST3, constructed in 2005.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.5.1 Particulate Matter Limitations (PM) Except Lake County [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (Particulate Emission Limitations (PM) Except Lake County), the particulate matter emissions from the underground conveyor shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

D.5.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)] [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities and all control devices. Section B - Preventive Maintenance Plan contains the Permittee’s obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements [326 IAC 2-7-5(1)]

D.5.3 Particulate (PM) Control [326 IAC 2-7-6(1)]

The baghouse ST3 shall be in operation and control emissions from the underground conveyor at all times that the process is in operation, in order to comply with the limit in condition D.5.1.

D.5.4 Broken or Failed Bag Detection [326 IAC 2-7-6(1)]

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse’s pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

D.5.5 Visible Emissions Notations

(a) Daily visible emission notations of the baghouse ST3 stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or
expected to prevail, eighty percent (80%) of the time the process is in operation, not
counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part
of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month
and has been trained in the appearance and characteristics of normal visible emissions
for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take a reasonable response.
Section C – Response to Excursions and Exceedances contains the Permittee’s
obligation with regard to the reasonable response steps required by this condition.
Failure to take response steps shall be considered a deviation from this permit.

D.5.6 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouse ST3 used in conjunction with
the underground conveyor, at least once per day when the process is in operation when venting
to the atmosphere. When for any one reading, the pressure drop across the baghouse ST3 is
outside the normal range of 2.0 and 8.0 inches of water or a range established during the latest
stack test, the Permittee shall take reasonable response steps in accordance with Section C -
Response to Excursions or Exceedances. A pressure reading that is outside the above
mentioned range is not a deviation from this permit. Failure to take response steps in accordance
with Section C - Response to Excursions or Exceedances shall be considered a deviation from
this permit.

The instrument used for determining the pressure shall comply with Condition C.14 – Instrument
Specifications, of this permit, shall be subject to approved by IDEM, OAQ and shall be calibrated
at least once every six (6) months.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.5.7 Record Keeping Requirements

(a) To document the compliance status with Condition D.5.4, the Permittee shall maintain
records of daily visible emission notations of the underground conveyor stack exhaust.
The Permittee shall include in its record when a visible emission notation is not taken and
the reason for the lack of visible emission notation (e.g., the process did not operate that
day).

(b) To document the compliance status with Condition D.5.6, the Permittee shall maintain the
following:

Daily records of the pressure drop across the baghouses during normal operation
when venting to the atmosphere. The Permittee shall include in its record when a
pressure drop reading is not taken and the reason for the lack of pressure drop
reading (e.g., the process did not operate that day).

(c) Section C- General Record Keeping Requirements contains the Permittee’s obligations
with regard to the records required by this condition.
SECTION D.6  EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(f) One (1) mold swabbing operation, consisting of four (4) individual treatment locations (identified as Shop #21, Shop #22, Shop #23, and Shop #24) servicing melting furnace #2, constructed in 1959, with a maximum combined capacity of 8.5 pounds of swabbing material per hour and exhausting through the building ventilation system.

(h) One (1) hot end treatment operation, consisting of four (4) individual treatment locations (identified as Shop #21, Shop #22, Shop #23, and Shop #24) servicing melting furnace #2, constructed in 1959, with a maximum combined throughput of 1.5 pounds per hour and exhausting through the building ventilation system.

Insignificant Activities

(a) Cullet crushing operation with a throughput of 24,000 tons per year [326 IAC 6.5-1-2];

(c) Mold shop operations consisting of two (2) sandblasters and two (2) rotary table shot blast machines [326 IAC 6.5-1-2];

(d) One (1) cardboard baler with a throughput of less than 2,000 tons per year [326 IAC 6.5-1-2];

(e) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment [326 IAC 6.5-1-2];

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.6.1 Particulate Matter Limitations (PM) Except Lake County [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (Particulate Matter Limitations (PM) Except Lake County), the particulate matter emissions from each of the above emission units shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.
SECTION D.7 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(b) Four (4) parts washing stations used for maintenance purposes [326 IAC 8-3-2];

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.7.1 Cold Cleaner Degreaser Control Equipment and Operating Requirements [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Degreaser Control Equipment and Operating Requirements), the Permittee shall:

(a) 

Ensure the following control equipment and operating requirements are met:

(1) Equip the degreaser with a cover.

(2) Equip the degreaser with a device for draining cleaned parts.

(3) Close the degreaser cover whenever parts are not being handled in the degreaser.

(4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(5) Provide a permanent, conspicuous label that lists the operating requirements in subdivisions (3), (4), (6), and (7).

(6) Store waste solvent only in closed containers.

(7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.

(b) 

Ensure the following additional control equipment and operating requirements are met:

(1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent used is insoluble in, and heavier than, water.

(C) A refrigerated chiller.

(D) Carbon adsorption.

(E) An alternative system of demonstrated equivalent or better control as those outlined in clauses (A) through (D) that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.

(2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.
(3) If used, solvent spray:
   (A) must be a solid, fluid stream; and
   (B) shall be applied at a pressure that does not cause excessive splashing.

D.7.2 Material Requirements for Cold Cleaner Degreasers [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers), the Permittee shall not operate a cold cleaning degreaser with a solvent that has a VOC composite partial vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

D.7.3 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for the six (6) parts washer stations. Section B - Preventive Maintenance Plan contains the Permittee’s obligation with regard to the preventive maintenance plan required by this condition.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.7.4 Record Keeping Requirements

(a) To document the compliance status with Condition D.7.2, the Permittee shall maintain the following records for each purchase of solvent used in the cold cleaner degreasing operations. These records shall be retained on-site or accessible electronically for the most recent three (3) year period and shall be reasonably accessible for an additional two (2) year period.

   (1) The name and address of the solvent supplier.
   (2) The date of purchase.
   (3) The type of solvent purchased.
   (4) The total volume of the solvent purchased.
   (5) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

(b) Section C - General Record Keeping Requirements contains the Permittee’s obligations with regard to the records required by this condition.
SECTION E.1 NSPS

Emissions Unit Description:

(h) One (1) four stroke diesel-fired backup fire pump engine, approved in 2015 for construction, identified as FP-02, with a maximum capacity of 110 hp (80kw), and exhausting outside.

[Under 40 CFR 63, Subpart ZZZZ, this unit is considered an affected unit.]
[Under 40 CFR 60, Subpart III, this unit is considered an affected unit.]

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.1.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1, for the emission unit listed above, except as otherwise specified in 40 CFR Part 60, Subpart III.

(b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

E.1.2 Standards of Performance for Stationary Compression Ignition Internal Combustion Engines NSPS [326 IAC 12] [40 CFR Part 60, Subpart III]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart III (included as Attachment A to the operating permit), which are incorporated by reference as 326 IAC 12, for the emission unit listed above:

(1) 40 CFR 60.4200(a)(1)
(2) 40 CFR 60.4200(a)(2)
(3) 40 CFR 60.4200(a)(4)
(4) 40 CFR 60.4205
(5) 40 CFR 60.4206
(6) 40 CFR 60.4207
(7) 40 CFR 60.4209
(8) 40 CFR 60.7211
(9) 40 CFR 60.4212
(10) 40 CFR 60.4214(b)
(11) 40 CFR 60.4214(c)
(12) 40 CFR 60.4214(d)
(13) 40 CFR 60.4219
(14) Table 3 to Subpart III (applicable portions)
(15) Table 4 to Subpart III (applicable portions)
(16) Table 5 to Subpart III (applicable portions)
(17) Table 6 to Subpart III (applicable portions)
SECTION E.2  NESHAP

Emissions Unit Description:

(h) One (1) four stroke diesel-fired backup fire pump engine, approved in 2015 for construction, identified as FP-02, with a maximum capacity of 110 hp (80kw), and exhausting outside.

[Under 40 CFR 63, Subpart ZZZZ, this unit is considered an affected unit.]
[Under 40 CFR 60, Subpart IIII, this unit is considered an affected unit.]

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]


(a) Pursuant to 40 CFR 63.1 the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1, for the emission unit listed above, except as otherwise specified in 40 CFR Part 63, Subpart ZZZZ.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

E.2.2 National Emission Standards for Hazardous Air Pollutants NESHAP [40 CFR Part 63, Subpart ZZZZ] [326 IAC 20-82-1]

The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ (included as Attachment B to the operating permit), which are incorporated by reference as 326 IAC 20-82-1, for the emission unit listed above:

(1) 40 CFR 63.6585(a)
(2) 40 CFR 63.6585(c)
(3) 40 CFR 63.6585(d)
(4) 40 CFR 63.6590(a)(2)(iii)
(5) 40 CFR 63.6590(c)(1)
(6) 40 CFR 63.6670
(7) 40 CFR 63.6675
SECTION E.3 NSPS

Emissions Unit Description:

(a) One (1) natural gas, propane, or numbers 2, 4, or 6 fuel oil-fired glass furnace, identified as Furnace #2, constructed in 1959, with a maximum design capacity of 350 tons of glass per day, with no abatement equipment present and emissions exhausting to stack ST2; Stack ST2 has continuous emissions monitors (CEMs) for nitrogen oxides (NOX) and sulfur dioxide (SO2).

Under 40 CFR 60, Subpart CC, this unit is considered an affected facility.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.3.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1, for the emission unit listed above, except as otherwise specified in 40 CFR Part 60, Subpart CC.

(b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

E.3.2 Standards of Performance for Glass Manufacturing Plants NSPS [326 IAC 12] [40 CFR Part 60, Subpart CC]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart CC (included as Attachment C to the operating permit), which are incorporated by reference as 326 IAC 12, for the emission unit listed above:

(1) 40 CFR 60.290
(2) 40 CFR 60.291
(3) 40 CFR 60.292
(4) 40 CFR 60.293
(5) 40 CFR 60.296
This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

☐ Annual Compliance Certification Letter
☐ Test Result (specify)
☐ Report (specify)
☐ Notification (specify)
☐ Affidavit (specify)
☐ Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:
Printed Name:
Title/Position:
Phone:
Date:
PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Anchor Glass Container Corporation
Source Address: 200 W Belleview Dr., Lawrenceburg, Indiana 47025
Part 70 Permit No.: T029-36867-00007

This is an emergency as defined in 326 IAC 2-7-1(12)
• The Permittee must notify the Office of Air Quality (OAQ), within four (4) daytime business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:

Control Equipment:

Permit Condition or Operation Limitation in Permit:

Description of the Emergency:

Describe the cause of the Emergency:
Date/Time Emergency started:

Date/Time Emergency was corrected:

Was the facility being properly operated at the time of the emergency? Y  N

Type of Pollutants Emitted: TSP, PM-10, SO₂, VOC, NOₓ, CO, Pb, other:

Estimated amount of pollutant(s) emitted during emergency:

Describe the steps taken to mitigate the problem:

Describe the corrective actions/response steps taken:

Describe the measures taken to minimize emissions:

If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:___________________________
Title / Position: ____________________________
Date:_____________________________________
Phone:____________________________________
Part 70 Quarterly Report

Source Name: Anchor Glass Container Corporation
Source Address: 200 W Belleview Dr., Lawrenceburg, Indiana 47025
Part 70 Permit No.: T029-36867-00007
Facility: Furnace #2
Parameter: Particulate Matter (PM) Emissions
Limit: PM shall not exceed forty-two and eight-tenths (42.80) tons per twelve (12) consecutive month period.

| QUARTER : ____________ | YEAR: ______________ |

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- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
  Deviation has been reported on:

Submitted by: ________________________________
Title / Position: ______________________________
Signature: ________________________________
Date: ________________________________
Phone: ________________________________
This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C-General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

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<td>Number of Deviations:</td>
<td></td>
</tr>
<tr>
<td>Probable Cause of Deviation:</td>
<td></td>
</tr>
<tr>
<td>Response Steps Taken:</td>
<td></td>
</tr>
</tbody>
</table>

Form Completed by: ________________________________
Title / Position: ________________________________
Date: ________________________________
Phone: ________________________________
Attachment C

Part 70 Operating Permit No: T029-41972-00007

Electronic Code of Federal Regulations

Title 40: Protection of Environment

Part 60—STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES

Subpart CC—Standards of Performance for Glass Manufacturing Plants

§ 60.290 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 4.55 Mg (5 tons) of glass per day and all-electric melters.


§ 60.291 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.

All-electric melter means a glass melting furnace in which all the heat required for melting is provided by electric current from electrodes submerged in the molten glass, although some fossil fuel may be charged to the furnace as raw material only.

Borosilicate recipe means glass product composition of the following approximate ranges of weight proportions: 60 to 80 percent silicon dioxide, 4 to 10 percent total R2O (e.g., Na2O and K2O), 5 to 35 percent boric oxides, and 0 to 13 percent other oxides.

Container glass means glass made of soda-lime recipe, clear or colored, which is pressed and/or blown into bottles, jars, ampoules, and other products listed in Standard Industrial Classification 3221 (SIC 3221).

Experimental furnace means a glass melting furnace with the sole purpose of operating to evaluate glass melting processes, technologies, or glass products. An experimental furnace does not produce glass that is sold (except for further research and development purposes) or that is used as a raw material for nonexperimental furnaces.

Flat glass means glass made of soda-lime recipe and produced into continuous flat sheets and other products listed in SIC 3211.

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
appendages 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.

*Glass produced* means the weight of the glass pulled from the glass melting furnace.

*Hand glass melting furnace* means a glass melting furnace where the molten glass is removed from the furnace by a glassworker using a blowpipe or a pontil.

*Lead recipe* means glass product composition of the following ranges of weight proportions: 50 to 60 percent silicon dioxide, 18 to 35 percent lead oxides, 5 to 20 percent total R₂O (e.g., Na₂O and K₂O), 0 to 8 percent total R₂O₃ (e.g., Al₂O₃), 0 to 15 percent total RO (e.g., CaO, MgO), other than lead oxide, and 5 to 10 percent other oxides.

*Pressed and blown glass* means glass which is pressed, blown, or both, including textile fiberglass, noncontinuous flat glass, noncontainer glass, and other products listed in SIC 3229. It is separated into:

(1) Glass of borosilicate recipe.

(2) Glass of soda-lime and lead recipes.

(3) Glass of opal, fluoride, and other recipes.

*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; replacement of refractory portions of the glass conditioning and distribution system.

*Soda-lime recipe* means glass product composition of the following ranges of weight proportions: 60 to 75 percent silicon dioxide, 10 to 17 percent total R₂O (e.g., Na₂O and K₂O), 8 to 20 percent total RO but not to include any PbO (e.g., CaO, and MgO), 0 to 8 percent total R₂O₃ (e.g., Al₂O₃), and 1 to 5 percent other oxides.

*Textile fiberglass* means fibrous glass in the form of continuous strands having uniform thickness.

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

*Wool fiberglass* means fibrous glass of random texture, including fiberglass insulation, and other products listed in SIC 3296.


§ 60.292 Standards for particulate matter.

(a) 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 subject to the provisions of this subpart shall cause to be discharged into the atmosphere—

(1) From any glass melting furnace fired exclusively with either a gaseous fuel or a liquid fuel, particulate matter at emission rates exceeding those specified in table CC–1, Column 2 and Column 3, respectively, or

(2) From any glass melting furnace, fired simultaneously with gaseous and liquid fuels, particulate matter at emission rates exceeding STD as specified by the following equation:

\[
\text{STD} = X \times [1.3(Y) + (Z)]
\]
Where:

STD=Particulate matter emission limit, g of particulate/kg (lb of particulate/ton) of glass produced.

X=Emission rate specified in table CC–1 for furnaces fired with gaseous fuel (Column 2).

Y=Decimal fraction of liquid fuel heating value to total (gaseous and liquid) fuel heating value fired in the glass melting furnaces as determined in §60.296(b). (joules/joules).

Z=(1–Y).

(b) Conversion of a glass melting furnace to the use of liquid fuel is not considered a modification for the purposes of §60.14.

(c) Rebricking and the cost of rebricking is not considered a reconstruction for the purposes of §60.15.

(d) An owner or operator of an experimental furnace is not subject to the requirements of this section.

(e) During routine maintenance of add-on pollution controls, an owner or operator of a glass melting furnace subject to the provisions of paragraph (a) of this section is exempt from the provisions of paragraph (a) of this section if:

1) Routine maintenance in each calendar year does not exceed 6 days;

2) Routine maintenance is conducted in a manner consistent with good air pollution control practices for minimizing emissions; and

3) A report is submitted to the Administrator 10 days before the start of the routine maintenance (if 10 days cannot be provided, the report must be submitted as soon as practicable) and the report contains an explanation of the schedule of the maintenance.

### Table CC–1— Emission Rates

[g of particulate/kg of glass produced]

<table>
<thead>
<tr>
<th>Col. 1—Glass manufacturing plant industry segment</th>
<th>Col. 2—Furnace fired with gaseous fuel</th>
<th>Col. 3—Furnace fired with liquid fuel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Container glass</td>
<td>0.1</td>
<td>0.13</td>
</tr>
<tr>
<td>Pressed and blown glass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(a) Borosilicate Recipes</td>
<td>0.5</td>
<td>0.65</td>
</tr>
<tr>
<td>(b) Soda-Lime and Lead Recipes</td>
<td>0.1</td>
<td>0.13</td>
</tr>
<tr>
<td>(c) Other-Than Borosilicate, Soda-Lime, and Lead Recipes including opal, fluoride, and other recipes</td>
<td>0.25</td>
<td>0.325</td>
</tr>
<tr>
<td>Wool fiberglass</td>
<td>0.25</td>
<td>0.325</td>
</tr>
<tr>
<td>Flat glass</td>
<td>0.225</td>
<td>0.225</td>
</tr>
</tbody>
</table>

§ 60.293 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. Particulate matter at emission rates exceeding 1.0 g/kg as measured according to paragraph (e) of this section for pressed and blown glass with a borosilicate recipe melting furnace.

3. Particulate matter at emission rates exceeding 0.5 g/kg as measured according to paragraph (e) of this section for textile fiberglass and wool fiberglass melting furnaces.

(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. 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)(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.

(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) 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).


§§ 60.294-60.295 [Reserved]

§ 60.296  Test methods and procedures.

(a) If a glass melting furnace with modified processes is changed to one without modified processes or if a glass melting furnace without modified processes is changed to one with modified processes, the owner or operator shall notify the Administrator at least 60 days before the change is scheduled to occur.

(b) When gaseous and liquid fuels are fired simultaneously in a glass melting furnace, the owner or operator shall determine the applicable standard under §60.292(a)(2) as follows:

(1) The ratio (Y) of liquid fuel heating value to total (gaseous and liquid) fuel heating value fired in the glass melting furnaces shall be computed for each run using the following equation:

\[ Y = \frac{H_l L}{H_l L + H_g G} \]

where:

\( Y \) = decimal fraction of liquid fuel heating value to total fuel heating value.

\( H_l \) = gross calorific value of liquid fuel, J/kg.

\( H_g \) = gross calorific value of gaseous fuel, J/kg.

\( L \) = liquid flow rate, kg/hr.

\( G \) = gaseous flow rate, kg/hr.

(2) Suitable methods shall be used to determine the rates (L and G) of fuels burned during each test period and a material balance over the glass melting furnace shall be used to confirm the rates.

(3) ASTM Method D240–76 or 92 (liquid fuels) and D1826–77 or 94 (gaseous fuels) (incorporated by reference—see §60.17), as applicable, shall be used to determine the gross calorific values.

(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:

\[ E = \frac{(c_o Q_{sd} - A)}{P} \]
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.

Attachment D: III. Consent Decree Definitions

Terms used in this Consent Decree that are defined in the CAA or in regulations promulgated pursuant to or authorized by the CAA shall have the meanings assigned to them in the CAA or such regulations, unless otherwise provided in this Decree. Whenever the terms set forth below are used in this Consent Decree, the following definitions shall apply:

a. “24-hour Block Emission Rate” shall be calculated by averaging all valid one-hour emissions data outputs (pounds per hour) for a given Operating Day, multiplying that average by the number of minutes the relevant furnace Operated that Operating Day, and then dividing by 60.

b. “30-day Rolling Average Emission Limit” shall be expressed as pounds of pollutant emitted per Ton of glass produced and shall mean, with respect to any Furnace, the maximum allowable rate of emission of a specified air pollutant for that Furnace under this Consent Decree. Compliance with the 30-day Rolling Average Emission Limit shall be determined by calculating the 30-day Rolling Average Emission Rate and comparing that with the 30-day Rolling Average Emission Limit.

c. “30-day Rolling Average Emission Rate” shall be expressed as pounds of pollutant emitted per Ton of glass produced and calculated at a Furnace in accordance with the following formula and subparagraphs i and ii below:

\[
30 - \text{day average} \frac{lb E}{Ton} = \frac{\text{COD}_E(lbs) + P29D_E(lbs)}{\text{COD}_{Prod}(lbs\ Tons) + \text{Prod}(Tons)}
\]

Where: 30-day average (lb E/Ton) = The 30-day Rolling Average Emission Rate.
E = Emissions of NOX or SO2.
COD = Current Operating Day where the CEMS measures at least one (1) full hour of emissions data.
CODE = The daily emissions as measured by a CEMS on the COD, in pounds, in accordance with Paragraph 78.
CODProd = Daily Glass Production on the COD in Tons of glass.
P29D = The Previous twenty-nine (29) Operating Days where the 30-day Rolling Average Emission Rate is the applicable limit and the CEMS measures at least one (1) full hour of emissions data.
P29DE = The sum of the daily NOX or SO2 emissions as measured by a CEMS during the P29D, in pounds, in accordance with Paragraph 78.
P29DProd = The sum of the Daily Glass Production during the P29D, in Tons of glass.

i. A new 30-day Rolling Average Emission Rate shall be calculated for each new Operating Day where the 30-day Rolling Average Emission Rate is the applicable limit and the CEMS measures at least one (1) full hour of emissions data; and
ii. As noted throughout this Consent Decree, certain Abnormally Low Production Rate Days, and Days with Furnace and/or Control Device Startup, Malfunction of the Furnace and/or Control Device, Maintenance of the Furnace and/or Control Device, and/or Color Transition may be excluded from the 30-day Rolling Average Emission Rate.

d. “Abnormally Low Production Rate” shall mean a glass production rate for a Furnace that is at or below the production rate set forth in Table 9, which reflects thirty-five (35) percent of the lower of the permitted or maximum production rate.

e. “Abnormally Low Production Rate Day” shall mean any Operating Day where glass production at a Furnace occurs at or below the applicable Abnormally Low Production Rate for at least one continuous hour.

f. “Anchor” or “Anchor Glass” shall mean Anchor Glass Container Corporation.
g. “Applicable State(s)” shall mean the state, commonwealth, or local authority that has jurisdiction over a Covered Facility.

h. “Batch Optimization” means such technologies and methods that Anchor currently undertakes or will undertake to reduce SO2 and PM emissions, including reduction in the amount of sulfur in the batch formulas, to remain in compliance with the requirements of this Consent Decree.

i. “Calendar Year” shall mean the period commencing on January 1 and ending on December 31 of the same year.

j. “CD Emission Reductions” shall mean any emission reductions that are generated or result from any projects, controls, or any other actions utilized to comply with this Consent Decree, including, but not limited to, installing and using any Control Devices or control techniques required by the Consent Decree.

k. “CEMS” shall mean Continuous Emission Monitoring System.

l. “CEMS Certification” or “CEMS re-Certification” shall mean the certification of a CEMS as required by 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).

m. “CEMS Certification Event” shall mean any event that triggers the requirement to complete a first CEMS Certification or subsequent CEMS re-Certification.

n. “Cold Tank Repair” shall refer to the process of stopping glass production, stopping the flow of fuel, fully cooling down a Furnace, replacing some or all of the refractory in the Furnace, the crown and/or the regenerators (if applicable), and beginning a new campaign by starting up the Furnace again by firing fuel again and starting the production of glass. Cold Tank Repair, for the purposes of this Consent Decree, does not include any refractory repairs conducted when the Furnace is still hot nor repairs solely required for restart of a Furnace which has temporarily ceased Operation due to economic reasons.

o. “Color Transition” shall mean the period from the time when a glass color of an oxidation state that differs from that previously melted in the Furnace, is introduced to the Furnace, to the time when saleable glass bottles are being produced in the new color. The Color Transition period shall not last more than seven Days.

p. “Complaint” shall mean the complaint filed by the United States and Co-Plaintiffs in this action.

q. “COMS” shall mean a Continuous Opacity Monitoring System.

r. “Consent Decree” and “Decree” shall mean this Consent Decree and all Appendices attached hereto (as listed in Section XXV (Appendices)). In the event of any conflict between the text of this Consent Decree and any Appendix, the text of this Consent Decree shall control.

s. “Continuous Operating Year” shall mean a Calendar Year during which a Furnace that is connected to a Control Device Operates on every Day of that Calendar Year.

t. “Control Device” shall mean a Scrubber System, SCR, ESP or similar add-on air pollution control device.

u. “Control Device Startup” shall mean the period of time from the initial commencement of operation of a Control Device until operation of the device is stable and the device has achieved normal operating conditions. A Control Device Startup shall not exceed thirty (30) Days. Control Device Startup does not include subsequent startups of the Control Device, unless the subsequent startup of the Control Device occurs during a restart after a downtime of more than six months.
v. “Control Method” shall mean a method used to reduce the generation of emissions from a Furnace, such as Oxyfuel, OEAS, Batch Optimization, or other process changes.

w. “Covered Facility” and “Covered Facilities” shall mean one or more of the following container glass manufacturing facilities owned and operated by Anchor:
   i. “Elmira Facility” shall mean the container glass manufacturing facility located at 151 East McCanns Boulevard, Elmira, New York, which has two container glass production Furnaces: “Elmira 1” and “Elmira 2”;
   ii. “Henryetta Facility” shall mean the container glass manufacturing facility located at 601 E. Bollinger Road, Henryetta, Oklahoma, which has two container glass production Furnaces: “Henryetta 1” and “Henryetta 2”;
   iii. “Jacksonville Facility” shall mean the container glass manufacturing facility located at 2121 Huron Street, Jacksonville, Florida, which has two container glass production Furnaces: “Jacksonville 3” and “Jacksonville 4”;
   iv. “Lawrenceburg Facility” shall mean the container glass manufacturing facility located at 200 West Bellevue Drive, Lawrenceburg, Indiana (“Lawrenceburg plant”), which has one container glass production Furnace: “Lawrenceburg 2”;
   v. “Shakopee Facility” shall mean the container glass manufacturing facility located at 4108 Valley Industrial Drive, Shakopee, Minnesota, which has 10 two container glass production Furnaces: “Shakopee 1” and “Shakopee 2”;
   vi. “Warner Robins Facility” shall mean the container glass manufacturing facility located at 1044 Booth Road, Warner Robins, Georgia, which has two container glass production Furnaces: “Warner Robins 1” and “Warner Robins 2”.

x. “Daily Glass Production” shall mean the Tons of glass produced per Day from the Furnace (commonly known as “pulled”) as measured by the measurement method or the weight method. It will be the composite of approximately eighteen (18) samples at approximately eighty (80) minute intervals which are averaged to give a daily production rate.

y. “Date of Entry,” “DOE,” or “Effective Date” means the date this Consent Decree is entered by the Court or a motion to enter the Consent Decree is granted, whichever occurs first, as recorded on the Court’s docket.

z. “Date of Lodging” means the date this Consent Decree is filed for lodging with the Clerk of the Court for the United States District Court for the Middle District of Florida.

aa. “Day” shall mean a calendar day unless expressly stated to be a business day. In computing any period of time for determining reporting deadlines under this Consent Decree, where the last day would fall on a Saturday, Sunday, or federal holiday, the period shall run until the close of business of the next business day. A Day starts at 12:00 a.m. and ends at 11:59 p.m.

bb. “Defendant” shall mean Anchor Glass Container Corporation.

cc. “Electrostatic Precipitator” or “ESP” shall mean a control device for removing particulate matter from flue gases by imparting an electric charge to the particles and then attracting them to a metal plate or screen of opposite charge before the flue gases are exhausted to the atmosphere.

dd. “Emission Credit(s)” shall mean an authorization or credit to emit a specified amount of the pollutants NOX, SO2, PM, PM10 and/or PM2.5 that is authorized by, allocated, or issued under an emissions trading or marketable permit program of any kind established under the CAA or a SIP.

ee. “Environmental Mitigation Project(s)” shall mean one or both of the projects outlined in Section V (Environmental Mitigation) and Appendix A (Environmental Mitigation Projects).

ff. “EPA” or “the Agency” shall mean the United States Environmental Protection Agency and any of its successor departments or agencies.
gg. “Furnace” shall mean a unit comprised of a refractory-lined vessel in which raw materials are charged and melted at high temperature to produce molten glass. For the purposes of NSPS only, “Furnace” shall mean a refractory vessel in which raw materials are charged, melted at high temperature, refined, and conditioned to produce molten glass which 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 appendages for conditioning and distributing molten glass to forming apparatuses.

hh. “Furnace Startup” shall mean the period of time during which a Furnace's refractory is heated from ambient temperature to operating temperature. A Furnace Startup shall last no more than thirty (30) Days and includes the slow heating of the Furnace refractory, initially with portable burners and transitioning to main burners once the Furnace reaches a temperature at which it can commence operation. Furnace Startup also includes the initial filling of the Furnace, following the heat-up, with cullet and/or raw materials, to a level at which production launch can commence.

ii. “Hot Spot Temperature” shall mean the highest temperature of the Furnace breastwall refractory. Breastwall refractory is the refractory sidewall between the tuck stone (about 18” above glass line) and the crown skew (where the Furnace crown meets the Furnace sidewall).

jj. “Maintenance” shall mean activities necessary to keep a Furnace or Control Device in normal operating condition, as described in Paragraph 82.

kk. “Malfunction” shall mean, consistent with 40 C.F.R. § 60.2, any sudden, infrequent, and not reasonably preventable failure of a Control Device, process equipment, or process to operate in a normal or usual manner, but shall not include failures that are caused in part by poor Maintenance or careless operation.

ll. “NOX” shall mean the sum of oxides of nitrogen in the flue gas, collectively expressed as NO2.

mm. “New Source Performance Standards” or “NSPS” shall mean the standards of performance for new stationary sources codified at 40 C.F.R. Part 60. General NSPS requirements are codified at 40 C.F.R. Part 60, Subpart A. NSPS requirements specifically for glass manufacturing plants are codified at 40 C.F.R. Part 60, Subpart CC.


oo. “Nonattainment New Source Review” or “NNSR” shall mean the nonattainment new source review program within the meaning of Part D of Subchapter I of the CAA, 42 U.S.C. §§ 7501–7515, implementing regulations, and analogous provisions of federally-enforceable SIPs.

pp. “Operate,” “Operation,” “Operating” and “Operated” shall mean any time when fuel is fired in a Furnace.

qq. “Operating Day” shall mean any Day where any fuel is fired in a Furnace.

rr. “Oxyfuel Furnace” shall mean a Furnace in which the gas that provides the oxidant for combustion of the fuel is composed of greater than or equal to ninety (90) percent oxygen.

ss. “Oxygen Enriched Air Staging” and “OEAS” shall mean the method of combustion air staging to control NOX formation by reducing the amount of combustion air delivered to the firing ports, thereby decreasing the oxygen available in the flame's high temperature zone in the first combustion stage, and injecting oxygen-enriched air into the Furnace near the exit port(s) to complete combustion in the second stage within the Furnace.
tt. “Paragraph” shall mean a portion of this Consent Decree identified by an Arabic numeral.

uu. “Particulate Matter” and “PM” shall mean any finely divided solid or liquid material, other than uncombined water, as measured using the reference methods specified below:
   i. Filterable particulate is the particulate measured using EPA Test Method 5 (40 C.F.R. Part 60 Appendix A-3).
   ii. Total particulate is the combination of filterable plus condensable PM and is measured using Method 5 (40 C.F.R. Part 60 Appendix A) and EPA Test Method 202 (40 C.F.R. Part 51 Appendix M).

vv. “Party” and “Parties” shall mean one or more of the following: the United States, State of Indiana, State of Oklahoma, and Anchor.

ww. “Permit” shall include any and all interim and final authorizations issued pursuant to federal, state, or local law that is necessary: 1) to construct, modify, or operate a Furnace, or 2) to construct, install, and operate a Control Device, Control Method or monitoring device required by this Consent Decree or other applicable law.

xx. “Plaintiff States” or “Co-Plaintiffs” shall mean the State of Indiana and the State of Oklahoma.

yy. “Prevention of Significant Deterioration” and “PSD” shall mean the attainment area New Source Review program within the meaning of Part C of Subchapter I of the CAA, 42 U.S.C. §§ 7470–7492, implementing regulations, and analogous provisions of federally-enforceable SIPs.

zz. “Section” shall mean a portion of this Consent Decree identified by a Roman numeral.

aaa. “Selective Catalytic Reduction” and “SCR” shall mean a pollution control device that reacts ammonia (NH3) with NOX to form nitrogen (N2) and water (H2O) using a catalyst to speed the reaction.

bbb. “Scrubber System” shall mean a type of pollution control system, sometimes known as a sorbent injection system, which involves the addition of an alkaline material into the gas stream to react with acid gases. The acid gases react with the alkaline sorbents to form solid salts. For purposes of this Consent Decree, a Scrubber System may be either a (i) Semi-Dry Scrubber System – the system described above with the sorbent in an aqueous phase which improves collection efficiency; or (ii) Dry Scrubber System – the system described above with no moisture added in the reaction chamber or reaction area.

ccc. “SO2” shall mean the pollutant sulfur dioxide.

ddd. “State” or “States” shall mean those States or Commonwealths and local authorities that have jurisdiction over a Facility covered by this action.

eee. “Title V Permit” shall mean a Permit required by or issued pursuant to the requirements of 42 U.S.C. § 7661–7661f, implementing regulations, and analogous provisions of federally approved state permit programs.

fff. “Ton” or “Tons” shall mean a short ton (equal to 2000 pounds) or short tons.

ggg. “United States” shall mean the United States of America, acting on behalf of EPA.
Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Part 70 Significant Source Modification and Significant Permit Modification

<table>
<thead>
<tr>
<th>Source Description and Location</th>
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</thead>
<tbody>
<tr>
<td><strong>Source Name:</strong></td>
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<tr>
<td><strong>Source Location:</strong></td>
</tr>
<tr>
<td><strong>County:</strong></td>
</tr>
<tr>
<td><strong>SIC Code:</strong></td>
</tr>
<tr>
<td><strong>Operation Permit No.:</strong></td>
</tr>
<tr>
<td><strong>Operation Permit Issuance Date:</strong></td>
</tr>
<tr>
<td><strong>Significant Source Modification No.:</strong></td>
</tr>
<tr>
<td><strong>Significant Permit Modification No.:</strong></td>
</tr>
<tr>
<td><strong>Permit Reviewer:</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Existing Approvals</th>
</tr>
</thead>
<tbody>
<tr>
<td>The source was issued Part 70 Operating Permit Renewal No. 029-36867-00007 on September 14, 2016. There have been no subsequent approvals issued.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>County Attainment Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>The source is located in Dearborn County.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO₂</td>
<td>Cannot be classified.</td>
</tr>
<tr>
<td>CO</td>
<td>Unclassifiable or attainment effective April 7, 2017, for the 2008 8-hour ozone standard for Lawrenceburg Township. Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard for the remainder of the county.¹</td>
</tr>
<tr>
<td>O₃</td>
<td>Unclassifiable or attainment effective April 15, 2015, for the 2012 annual PM₂.₅ standard.</td>
</tr>
<tr>
<td>PM₂.₅</td>
<td>Unclassifiable or attainment effective December 13, 2009, for the 2006 24-hour PM₂.₅ standard.</td>
</tr>
<tr>
<td>PM₁₀</td>
<td>Unclassifiable effective November 15, 1990.</td>
</tr>
<tr>
<td>NO₂</td>
<td>Unclassifiable or attainment effective January 29, 2012, for the 2010 NO₂ standard.</td>
</tr>
<tr>
<td>Pb</td>
<td>Unclassifiable or attainment effective December 31, 2011, for the 2008 lead standard.</td>
</tr>
</tbody>
</table>

¹Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.

(a) Ozone Standards
Volatile organic compounds (VOC) and Nitrogen Oxides (NOₓ) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOₓ emissions are considered when evaluating the rule applicability relating to ozone. Dearborn County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOₓ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) PM₂.₅
Dearborn County has been classified as attainment for PM₂.₅. Therefore, direct PM₂.₅, SO₂, and NOₓ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
(c) Other Criteria Pollutants

Dearborn County has been classified as attainment or unclassifiable in Indiana for all the other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

### Fugitive Emissions

Since this type of operation is not one (1) of the twenty-eight (28) listed source categories under 326 IAC 2-2-1(ff)(1), 326 IAC 2-3-2(g), or 326 IAC 2-7-1(22)(B), and there is no applicable New Source Performance Standard or National Emission Standard for Hazardous Air Pollutants that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

The fugitive emissions of hazardous air pollutants (HAP) are counted toward the determination of Part 70 Permit applicability and source status under Section 112 of the Clean Air Act (CAA).

### Greenhouse Gas (GHG) Emissions

On June 23, 2014, in the case of Utility Air Regulatory Group v. EPA, cause no. 12-1146, (available at http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court's decision. U.S. EPA's guidance states that U.S. EPA will no longer require PSD or Title V permits for sources "previously classified as 'Major' based solely on greenhouse gas emissions."

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

### Source Status - Existing Source

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

<table>
<thead>
<tr>
<th>Source-Wide Emissions Prior to Modification (ton/year)</th>
<th>PM</th>
<th>PM_{10}^{1}</th>
<th>PM_{2.5}^{1,2}</th>
<th>SO_2</th>
<th>NO_X</th>
<th>VOC</th>
<th>CO</th>
<th>Total HAPs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total PTE of Entire Source Excluding Fugitive Emissions*</td>
<td>171.50</td>
<td>172.37</td>
<td>172.37</td>
<td>217.27</td>
<td>411.36</td>
<td>47.13</td>
<td>25.65</td>
<td>2.85</td>
</tr>
<tr>
<td>Title V Major Source Thresholds</td>
<td>NA</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>25</td>
</tr>
<tr>
<td>PSD Major Source Thresholds</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>--</td>
</tr>
</tbody>
</table>

1Under the Part 70 Permit program (40 CFR 70), PM_{10} and PM_{2.5}, not particulate matter (PM), are each considered as a "regulated air pollutant."

2PM_{2.5} listed is direct PM_{2.5}.

*Fugitive HAP emissions are always included in the source-wide emissions.
(a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a PSD regulated pollutant(s), NOx, is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).

(b) This existing source is not a major source of HAP, as defined in 40 CFR 63.2, because HAP emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.

(c) These emissions are based on the TSD of TV Renewal No. 029-36867-00007, issued on September 14, 2016.

**Description of Proposed Modification**

The Office of Air Quality (OAQ) has reviewed an application, submitted by Anchor Glass Container Corporation on September 26, 2019. Anchor Glass Container Corporation is subject to a Federal Court Consent Decree issued by the United State, State of Indiana and Oklahoma Department of Environmental Quality ("ODEQ") issued against Anchor Glass Container Corporation, Inc ("Anchor Glass"), Civil Action No. 3:18-cv-943 (Consent Decree) entered by the court on September 18, 2018. This Consent Decree, Paragraph 102, requires Anchor Glass Container Corporation to submit an application to incorporate the requirements of this decree within the stated deadlines.

EPA recently approved Indiana rule to incorporate terms from Federal Consent Decrees and Federal District Court Orders into construction permits. These changes to 326 IAC 2-7-10.5(b) became effective on February 18, 2014.

**Enforcement Issues**

There are no pending enforcement actions related to this modification.

**Permit Level Determination – Part 70 Modification to an Existing Source**

There are no new emission units or modifications to existing emission units (i.e., no physical change or change in the method of operation occurring at the source) as a result of this modification. This modification is subject to 326 IAC 2-7-10.5 because the federal consent decree that is entered into is for the purpose of resolving alleged violations which is subject to a Significant Source Modification. See the "Description of Proposed Modification" section above for more detail.

Pursuant to 326 IAC 2-7-10.5(b)(2) and (k), a Significant Source Modification is required because this modification incorporates the control requirements and emission limitations that are set forth in federal consent decree that is entered into for the purpose of resolving alleged violations.

Pursuant to 326 IAC 2-7-12(d), this modification is considered a Significant Permit Modification because the permit modification involves significant changes to the existing permit terms or conditions of the part 70 Operating Permit.

**Permit Level Determination – PSD**

This modification does not cause any emission increases. Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable.

**Federal Rule Applicability Determination**

Due to the modification at this source, federal rule applicability has been reviewed as follows:
New Source Performance Standards (NSPS):

(a) This source is subject to the New Source Performance Standards for Glass Manufacturing Plants, 40 CFR 60, Subpart CC and 326 IAC 12, because Furnace #2 is a glass melting furnace. Although the furnace was constructed prior to June 15, 1979, it is subject to this NSPS pursuant to Consent Decree 18cv-943. The unit subject to this rule includes the following:

(1) One (1) natural gas, propane, or numbers 2, 4, or 6 fuel oil-fired glass furnace, identified as Furnace #2, constructed in 1959, with a maximum design capacity of 350 tons of glass per day, with no abatement equipment present and emissions exhausting to stack ST2; Stack ST2 has continuous emissions monitors (CEMs) for nitrogen oxides (NOx) and sulfur dioxide (SO2).

Under 40 CFR 60, Subpart CC, this unit is considered an affected facility.

The natural gas, propane, or numbers 2, 4, or 6 fuel oil-fired glass furnace, identified as Furnace #2 is subject to the following portions of 40 CFR 60, Subpart CC.

(1) 40 CFR 60.290
(2) 40 CFR 60.291
(3) 40 CFR 60.292
(4) 40 CFR 60.293
(5) 40 CFR 60.296

The requirements of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated as 326 IAC 12-1, apply to Furnace #2 except as otherwise specified in 40 CFR 60, Subpart CC.

(b) There are no other New Source Performance Standards (40 CFR Part 60) and 326 IAC 12 included in the permit for this proposed modification.

National Emission Standards for Hazardous Air Pollutants (NESHAP):

(a) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (40 CFR Part 63, 326 IAC 14, and 326 IAC 20) included in the permit for this proposed modification.

State Rule Applicability – Entire Source

There have been no changes to state rule applicability as part of this modification.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to assure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source’s failure to take the appropriate corrective actions within a specific time period.
The Compliance Determination Requirements applicable to this modification are as follows:

**Testing Requirements:**

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Control Device</th>
<th>Timeframe for Testing or Date of Initial Valid Demonstration</th>
<th>Pollutant/Parameter</th>
<th>Frequency of Testing</th>
<th>Authority</th>
</tr>
</thead>
<tbody>
<tr>
<td>Furnace #2</td>
<td>-</td>
<td>No later than six months after September 26, 2018</td>
<td>PM</td>
<td>Annual</td>
<td>Consent Decree, 18CV-943</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>Beginning after the next cold tank repair but no later than July 31, 2020</td>
<td>Ammonia*</td>
<td>Annual</td>
<td>Consent Decree, 18CV-943</td>
</tr>
</tbody>
</table>

* If Anchor chooses to use SCR by the next cold tank repair, or no later than July 31, 2020, whichever comes first, ammonia stack testing shall be conducted as part of the annual PM10 stack tests that are required pursuant to Consent Decree, 18cv943.

**Continuous Emissions Monitoring System (CEMS) and Continuous Opacity Monitoring (COM) Requirements:**

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Type of Continuous Monitor (Pollutant Monitored)</th>
<th>Applicable Rule or Authority</th>
</tr>
</thead>
<tbody>
<tr>
<td>Furnace #2</td>
<td>CEMS (NOx)</td>
<td>Consent Decree, 18cv-943</td>
</tr>
<tr>
<td></td>
<td>CEMS (SO2)</td>
<td></td>
</tr>
</tbody>
</table>

There are no new or modified compliance monitoring requirements included with this modification.

**Proposed Changes**

As part of this permit approval, the permit may contain new or different permit conditions and some conditions from previously issued permits/approvals may have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes.

The following changes listed below are due to the proposed modification. Deleted language appears as *strikethrough* text and new language appears as **bold** text (these changes may include Title I changes):

1. A.2 Emission Units and Pollution Control Equipment Summary

   [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

   This stationary source consists of the following emission units and pollution control devices:

   (a) One (1) natural gas, propane, or numbers 2, 4, or 6 fuel oil-fired glass furnace, identified as Furnace #2, constructed in 1959, with a maximum design capacity of 350 tons of glass per day, with no abatement equipment present and emissions exhausting to stack ST2;

   **Under 40 CFR 60, Subpart CC, this unit is considered an affected facility.**

2. **SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS**
Emissions Unit Description:

(a) One (1) natural gas, propane, or numbers 2, 4, or 6 fuel oil-fired glass furnace, identified as Furnace #2, constructed in 1959, with a maximum design capacity of 350 tons of glass per day, with no abatement equipment present and emissions exhausting to stack ST2; Stack ST2 has continuous emissions monitors (CEMs) for nitrogen oxides (NOX) and sulfur dioxide (SO2).

Under 40 CFR 60, Subpart CC, this unit is considered an affected facility.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Particulate Matter Limitations (PM) Except Lake County [326 IAC 6.5-3-2] [Consent Decree, Civil Action No. 18cv-943] [326 IAC 2-7-10.5(b)]

(a) Pursuant to 326 IAC 6.5-3-2(2) (Dearborn County Particulate Matter Limitations), the particulate matter emissions from Glass Furnace #2 shall not exceed 1.0 pound per ton and 42.80 tons per year.

(b) By no later than September 26, 2018, the Permittee shall only operate Furnace #2 using batch optimization. Furnace #2 shall comply with the emission limit of 1.00 lb per ton total PM. (CD ¶69)

(c) The abnormally low production rate day threshold for Furnace #2 is 105.8 tons per day. If increased production capacity is authorized by a revised permit limit, the abnormally low production rate day threshold will be thirty-five (35) percent of the new permitted production limit (or design production rate, where there is no permitted production limit) as determined on a daily basis. (CD ¶88-89)

The definitions of terms used in this consent decree are included as Attachment D of the operating permit. (CD ¶6)

D.1.2 Sulfur Dioxide (SO2) [326 IAC 7-1.1-1][326 IAC 7-2-1] [Consent Decree, Civil Action No. 18cv-943] [326 IAC 2-7-10.5(b)]

(a) Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), the SO2 emissions from Furnace #2, when combusting no.2 fuel oil, shall not exceed 0.5 pound per million Btu of heat input. In order to comply with this limit, the sulfur content of the no. 2 fuel oil shall not exceed 0.5 weight percent.

(b) No later than September 26, 2018, the 30-day rolling average emission rate for Furnace #2 shall not exceed the 30-day rolling average emission limit of 1.20 lbs SO2 per ton of glass produced. (CD ¶41)

(c) During the first seven (7) days of the furnace startup period, the Permittee shall limit the amount of sulfur added to the batch materials to 2.6 pounds per ton of total batch material (including cullet) or less. (CD ¶52)

(d) For any abnormally low production rate days, the Permittee may elect to exclude that day and the emissions generated during that day from the 30-day rolling average emission rate for Furnace #2. For any day excluded from the 30-day rolling average emission rate as an abnormally low production rate day, the 24-hour block emission rate from the relevant furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: (CD ¶53)
SO2 BOAbn = \frac{1.2 \text{lb SO2}}{\text{ton}} \times \frac{P}{0.35}

Where: SO2 BO Abn = SO2 emission limit for Furnace #2 with batch optimization during an abnormally low production rate day, in pounds per day.
P = Furnace-specific production threshold, in tons of glass produced per day as defined in D.1.1(c).

(e) For any operating day during which a malfunction of the furnace system occurs for any period of time, the Permittee may elect to exclude that day and the emissions generated during that operating day from the 30-day rolling average emission rate for Furnace #2. For any day excluded from the 30-day rolling average emission rate for such a malfunction, the 24-hour block emission rate from the relevant furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: (CD ¶54)

SO2BOMalf = 1.25 \times SO2BOAbn

Where: SO2 BO Malf = SO2 emission limit for Furnace #2 with batch optimization during a malfunction day, in pounds per day
SO2 BO Abn = SO2 emission limit for Furnace #2 with batch optimization during an abnormally low production rate day, in pounds per day.

(f) For any operating day during which maintenance activities on the furnace are performed, the Permittee may elect to exclude that day and the emissions generated during that operating day from the 30-day rolling average emission rate for Furnace #2. For any day which is excluded from the 30-day rolling average emission rate for such maintenance, the 24-hour block emission rate from the furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: (CD ¶55)

\[
SO2 BOMaint = \frac{MH \times [1.25 \times SO2BOAbn]}{24} + \frac{NH \times [SO2BOAbn]}{24}
\]

Where: SO2 BO Maint = SO2 emission limit for Furnace #2 with batch optimization during a maintenance day, in pounds per day.
SO2 BO Abn = SO2 emission limit for Furnace #2 with batch optimization during an abnormally low production rate day, in pounds per day.
MH = Hours of maintenance
NH = Normal Hours = 24 - MH

(g) For any operating days during which a color transition is occurring, the Permittee may elect to exclude the emissions on such days from the 30-day rolling average emission rate for Furnace #2. For any day excluded from the 30-day rolling average emission rate for color transition, the 24-hour block emission rate from the furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: (CD ¶56)

SO2ColTran = 2 \times SO2BOAbn

Where: SO2 Col Tran = SO2 emission limit for Furnace #2 during a color transition, in pounds per day.
SO2 BO Abn = SO2 emission limit for Furnace #2 with batch optimization during an abnormally low production rate day, in pounds per day.

D.1.3 Sulfur Dioxide (SO2) [326 IAC 7-4]

Pursuant to 326 IAC 7-4 (Dearborn County Sulfur Dioxide Emission Limitations), the SO2 emissions from Furnace #2, when combusting no. 6 fuel oil, shall not exceed 1.4 pounds per million Btu of heat input. In order to comply with this limit, the sulfur content of the no. 6 fuel oil shall not exceed 1.28 weight percent.

D.1.4 NOx Emission Limitations [Consent Decree, Civil Action No. 18cv-943] [326 IAC 2-7-10.5(b)]

After the next cold tank repair, but no later than July 31, 2020, the permittee shall install, maintain, and operate Furnace #2 using Oxyfuel technology such that the gas that provides the oxidant for combustion of the fuel is at least ninety (90) percent oxygen. (CD ¶7-8)

In lieu of installing an Oxyfuel furnace, the permittee may elect to install, maintain and continuously operate SCR during the operation of Furnace #2.

Option 1: Oxyfuel Technology Furnace

Commencing on the first operating day after completion of the furnace startup period and CEMS certification, but no later than July 31, 2020, Furnace #2 shall not exceed the 30-day rolling average emission limit of 1.20 pounds of NOx per ton of glass produced, as measured using a certified NOx CEMS. (CD ¶7,12)

For any abnormally low production rate days, the Permittee may elect to exclude that day and the emissions generated during that day from the 30-day rolling average emission rate for Furnace #2. For any day excluded from the 30-day rolling average emission rate as an abnormally low production rate day, the 24-hour block emission rate from the furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: (CD ¶13)

\[
\text{NOx oxyAbn} = 1.2 \times \frac{\text{lb NOx}}{\text{ton}} \times \frac{P}{0.35}
\]

Where: NOX Oxy Abn = NOX emission limit for an Oxyfuel Furnace during an abnormally low production rate day, in pounds per day.

P = Furnace-specific production threshold, in tons of glass produced per day as defined in D.1.1(c).

NOX Limits for Oxyfuel Furnaces during furnace startup are as follows: (CD ¶14)

a. The Permittee shall burn no more than 6.5 million standard cubic feet of natural gas in Furnace #2 during the initial heating phase of the furnace startup.

b. The Permittee shall comply with the following operational limits to limit NOX emissions during the refractory soak and seal phase of the furnace startup:

i. Burn no more than 75 million standard cubic feet of natural gas in Furnace #2;

ii. Limit excess oxygen below 5.0 percent at the furnace exhaust flue, as determined by handheld monitor, once per shift;

iii. Limit hot spot temperature to 2900 degrees F; and
iv. Use thermal blankets or similar techniques to minimize air infiltration until expansion joints are sufficiently closed.

c. The Permittee shall comply with the following operational limits to limit NOX emissions during the furnace stabilization phase of the furnace startup:

i. Burn no more than 50 million standard cubic feet of natural gas in Furnace #2;

ii. Limit excess oxygen below 5.0 percent at the furnace exhaust flue, as determined by handheld monitor, once per shift; and

iii. Limit hot spot temperature to 2900 degrees F.

For any operating day during which a malfunction of the furnace occurs for any period of time, the Permittee may elect to exclude that day and the emissions generated during that operating day from the 30-day rolling average emission rate for Furnace #2. For any day excluded from the 30-day rolling average emission rate for such a malfunction, the 24-hour block emission rate from the relevant furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: (CD ¶15)

\[
\text{NOx oxyMal} = 4 \times \text{NOx oxy Abn}
\]

Where: NOX Oxy Mal = NOX emission limit for an Oxyfuel Furnace during a malfunction day, in pounds per day.

NOX Oxy Abn = NOX emission limit for an Oxyfuel Furnace during an abnormally low production rate day, in pounds per day.

For any operating day during which maintenance activities on the furnace are performed, the Permittee may elect to exclude that day and the emissions generated during that operating day from the 30-day rolling average emission rate for Furnace #2. For any day excluded from the 30-day rolling average emission rate for such Maintenance, the 24-hour block emission rate from the furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: (CD ¶16)

\[
\text{NOx oxy Maint} = \frac{MH \times [4 \times \text{NOx oxy Abn}]}{24} + \frac{NH \times [\text{NOx oxy Abn}]}{24}
\]

Where: NOX Oxy Maint = NOX emission limit for an Oxyfuel Furnace during a maintenance day, in pounds per day.

NOX Oxy Abn = NOX emission limit for an Oxyfuel Furnace during an abnormally low production rate day, in pounds per day as defined in D.1.1(c).

MH = Hours of maintenance

NH = Normal Hours = 24 – MH

Option 2: SCR
If the Permittee chooses to operate SCR, the first operating day after the next cold tank repair, but no later than July 31, 2020, the Permittee shall operate Furnace #2 passing all stack gases through an SCR (except during up to the first ten (10) days of a furnace startup; during a malfunction of the SCR, scrubber system, or ESP; or during maintenance of the SCR, scrubber system, or ESP) in compliance with the following requirements: (CD ¶18-24)

a. Each SCR must be designed to achieve a NOx removal efficiency of at least 90 percent; and
b. While each SCR is operating, the Permittee shall continuously operate and maintain the SCR, including the SCR catalyst, according to all applicable manufacturer's specification and with good air pollution control practices for minimizing emissions consistent with 40 C.F.R. § 60.11(d) in order to minimize NOx emissions to the extent practicable taking into consideration ammonia slip.

Commencing on the first operating day after completion of the furnace startup period and CEMS certification, but no later than July 31, 2020, Furnace #2 shall not exceed the 30-day rolling average emission limit of 1.20 pounds of NOX per ton of glass produced, as measured using a certified NOX CEMS.

For any abnormally low production rate days, the Permittee may elect to exclude that day and the emissions generated during that day from Furnace #2 connected to that SCR from the 30-day rolling average emission rate. For any day excluded from the 30-day rolling average emission rate as an abnormally low production rate day, the 24-hour block emission rate from the furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS:

\[
\text{NOx scrAbn} = 1.2 \frac{\text{lb NOx}}{\text{ton}} \times \frac{P}{0.35}
\]

Where: NOX SCR Abn = NOX emission limit for Furnace #2 with SCR during an abnormally low production rate day, in pounds per day.

\[P = \text{Furnace-specific production threshold, in tons of glass produced per day as defined in D.1.1(c).}\]

For no more than the first ten (10) days of a furnace startup, the exhaust for Furnace #2 with SCR may bypass the SCR to avoid having the operating inlet temperature of the SCR fall below its operational range. During the days that furnace exhaust bypasses the SCR, the Permittee shall burn no more than 14 million standard cubic feet of natural gas in Furnace #2.

For any operating day during a SCR control device startup or where a malfunction of the SCR, scrubber system, or ESP occurs, the Permittee may elect to exclude the emissions generated during that day from Furnace #2 connected to the SCR from the 30-day rolling average emission rate. For any day excluded from the 30-day rolling average emission rate pursuant to this paragraph, the 24-hour block emission rate from the relevant furnace(s) shall not exceed the following 24-hour block limit, as demonstrated using a CEMS:

\[
\text{NOx SCR Malf CD start} = 5 \times \text{NOxSCRAbn}
\]

Where: NOX SCR Malf CD start = NOX emission limit for Furnace #2 with SCR during a day when a control device malfunction or SCR control device startup is occurring, in pounds per day.

\[\text{NOX Oxy Abn} = \text{NOX emission limit for Furnace #2 with SCR during an abnormally low production rate day, in pounds per day as defined in D.1.1(c).}\]

For any operating day during which maintenance activities on the SCR, scrubber system, or ESP are performed, the Permittee may elect to exclude the emissions generated during that maintenance day from Furnace #2 connected to the SCR from the 30-day rolling average emission rate. For any day excluded from the 30-day rolling average emission rate pursuant to this paragraph, the 24-hour block emission rate from the relevant furnace(s) shall not exceed the following 24-hour block limit, as demonstrated using a CEMS:
\[
\text{NOx SCR Maint} = \frac{MH \times [5 \times \text{NOxSCR Abn}]}{24} + \frac{NH \times [\text{NOxSCR Abn}]}{24}
\]

Where: NOX SCR Maint = NOX emission limit for Furnace #2 with SCR during a maintenance day, in pounds per day.
NOX Oxy Abn = NOX emission limit for Furnace #2 with SCR during an abnormally low production rate day, in pounds per day.
MH = Hours of maintenance
NH = Normal Hours = 24 – MH

Commencing on the first operating day for each Furnace with an SCR, and during all times when an SCR control device is operated, the Permittee shall limit the ammonia slip from the SCR to 10 parts per million volume dry basis (“ppmvd”) or less, corrected to 15 percent oxygen (“O2”).

D.1.5 Emission Credit Generation [Consent Decree, Civil Action No. 18cv-943] [326 IAC 2-7-10.5(b)]

Pursuant to the consent decree (CD ¶108-111), the Permittee shall neither generate nor use any CD emissions reductions: as netting reductions; as emissions offsets; or to apply for, obtain, trade, or sell any emission reduction credits. For projects achieving CD emissions reductions, and projects implemented concurrently with or after either projects, controls, or actions achieving CD emissions reductions or the deadline for implementing such projects, controls or actions achieving CD emissions reductions, whichever comes first, baseline actual emissions during any 24-month period selected by the Permittee shall be adjusted downward to exclude any portion of the baseline emissions that would have exceeded the limits specified in Section IV (Compliance Requirements) had the Permittee been complying with this Consent Decree during that 24-month period. Any plant-wide applicability limits (PALs) or other multi-emission unit applicability limits that apply to Furnace #2 must be adjusted downward, in conjunction with projects achieving CD emissions reductions, to exclude any portion of the baseline emissions used in establishing such limit(s) that would have been eliminated as CD emissions reductions had the Permittee been complying with this Consent Decree during such baseline period.

The Permittee may use past actual emissions from Furnace #2 as baseline actual emissions in the actual –to-projected-actual applicability test for the following projects: First, for an increase in production rate achieved in conjunction with the first cold tank repair at Furnace #2 following entry of this Decree; second, for an increase in production rate achieved in conjunction with the installation of a scrubber system and ESP. Utilization of this exception is subject to each of the following conditions:

a. If use of past actual emissions from Furnace #2 as baseline actual emissions in the actual-to-projected-actual applicability test leads to the calculation of a negative (below zero) emissions increase at that emissions unit, the emissions increase at that emissions unit shall be considered equal to zero in determining whether the project will result in a significant emissions increase;

b. Use of past actual emissions under this exception to the prohibition does not extend to any use of past actual emissions in determining the net emissions increase from the major stationary source. However, if past actual emissions are used under this exception to the prohibition, then baseline actual emissions for that furnace in any subsequent netting analysis shall be based upon a rate no greater than the projected actual emissions determined as a result of the use of this exception to the prohibition;
c. The Permittee shall still be subject to all federal and state regulations applicable to the PSD, Non-attainment NSR, and/or Minor NSR permitting process; and

d. The Permittee shall provide notice of such project(s) to EPA (including copies of all permit applications and other relevant documentation submitted to the permitting authority) upon submission of a permit application for the projects(s) to the permitting authority, or thirty (30) days prior to implementing a project, control or action using this exception to the prohibition, whichever comes first.

Nothing in the Consent Decree shall preclude the Permittee from using, selling, or transferring emission credits of NOX, SO2, and PM, that may be generated as a result of achieving and maintaining emission rates (including by permanently shutting down Furnace #2) that are more stringent than the emission limits required by Section IV (Compliance Requirements) so long as the Permittee: (i) timely reports the generation of such surplus emissions credits in accordance with Section IX (Reporting Requirements) of the Consent Decree and (ii) accepts the more stringent emission rate(s) in a federally enforceable permit for the applicable covered facility.

Nothing in this Section VIII (Emission Credit Generation) is intended to prohibit the Permittee from seeking to:

a. Use or generate emission reductions from emissions units that are covered by this Consent Decree to the extent that the proposed emission reductions represent the difference between CD emissions reductions and more stringent control requirements that the Permittee may elect to accept for those emissions units in a permitting process, so long as the Permittee: (i) timely reports the generation of any resulting emissions credits in accordance with Section IX (Reporting Requirements) of the Consent Decree and (ii) accepts the more stringent emission rate(s) in a federally enforceable permit for the applicable covered facility;

b. Use or generate emission reductions from emissions units that are not subject to an emission limitation or control requirement pursuant to this Consent Decree; or

c. Use CD emissions reductions for compliance with any rules or regulations designed to address regional haze or the non-attainment status of any area (excluding PSD and non-attainment NSR rules, but including, for example, RACT rules) that apply to the facility; provided, however, that the Permittee shall not be allowed to trade or sell any CD Emissions Reductions.

D.1.64 Preventive Maintenance Plan [326 IAC 2-7-5(12)] [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities and all control devices. Section B - Preventive Maintenance Plan contains the Permittee’s obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements [326 IAC 2-7-5(1)]

D.1.75 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Conditions D.1.2 and D.1.3 shall be determined utilizing one of the following options:

(a) Pursuant to 326 IAC 3-7-4 (Fuel Oil Sampling; Analysis Methods), the Permittee shall demonstrate that the sulfur content of #2 fuel oil does not exceed five-tenths percent
(0.5%) by weight and that the sulfur content of #6 fuel oil does not exceed 1.28 percent by weight by:

1. Providing vendor analysis of fuel delivered, if accompanied by a certification;

2. Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the boiler using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

D.1.86 Particulate Matter (PM)

In order to demonstrate compliance with the tons per year limit in Condition D.1.1, the Permittee shall use the following equation:

\[
\text{Glass Produced by Furnace #2 (tons/year)} \times \text{EF} \times \frac{1 \text{ ton}}{2000 \text{ lb}} \leq 42.80 \text{ tons/year of PM.}
\]

Where EF = PM lb per ton of glass produced established by the most recent IDEM approved test.

D.1.92 Testing Requirements [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11] [Consent Decree, Civil Action No. 18cv-943]

(a) In order to demonstrate compliance with Condition D.1.1, the Permittee shall perform PM testing of the Furnace #2 utilizing methods as approved by the Commissioner at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C – Performance Testing contains the Permittee’s obligation with regard to the performance testing required by this condition.

(b) In order to demonstrate compliance with Condition D.1.1(b), the Permittee shall comply with the emission limit specified through annual stack tests and using EPA Test Method 5 (40 CFR 60, Appendix A-3) and EPA Test Method 202 (40 CFR 60, Appendix M). The Permittee shall conduct an initial stack test on Furnace #2 no later than six (6) months after September 26, 2018 and once each calendar year thereafter. (CD ¶70)

(c) If the Permittee chooses to operate SCR after the next cold tank repair, but no later than July 31, 2020, ammonia stack testing shall be conducted as part of each of the annual PM-10 stack tests that are required. All ammonia stack testing conducted during the life of this Consent Decree shall be conducted in accordance with a test protocol approved by EPA. After termination of this Consent Decree, all ammonia stack testing shall be conducted in accordance with a test protocol approved by IDEM. (CD ¶24)

D.1.10 Consent Decree Requirements [Consent Decree, Civil Action No. 18cv-943]

(a) At all times, including during abnormally low production rate days, a furnace startup, a control device startup, malfunction of Furnace #2, malfunction of any control device, maintenance of Furnace #2, maintenance of any control device, and
color transition, the Permittee shall in accordance with 40 CFR 60.11(d), maintain and operate Furnace #2 and maintain and continuously operate all control devices and any other associated air pollution control equipment. (CD ¶81)

(b) Any operating day that is excluded from the applicable 30-day rolling average emission rate because of maintenance being performed on a control device or Furnace #2 is subject to the following restrictions and must comply with the following requirements: (CD ¶82)

(i) Scheduled or preventive furnace maintenance, including checker raking and burning, shall not exceed ninety-six (96) operating hours annually and shall be conducted only when all downstream control devices required by this Consent Decree, if applicable, are operating.

(ii) Scheduled or preventive maintenance of control devices shall occur and shall be completed only while Furnace #2 connected to the control device(s) is not operating, unless the furnace connected to the control device is scheduled to have a continuous operating year. During a continuous operating year, scheduled or preventive maintenance on control devices may be conducted while Furnace #2 connected to the control device(s) is operating. All control device maintenance occurring during a continuous operating year must also be performed in accordance with the following requirements:

(1) Maintenance lasting greater than twenty-four (24) consecutive hours shall occur only during abnormally low production rate days.

(2) Bypassing of any control device for the purpose of preventive maintenance shall not exceed one hundred forty-four (144) total hours per calendar year, for NOx and SO2, or six (6) days per calendar year, for PM (in accordance with NSPS Subpart CC).

(3) If an ESP is bypassed, the associated scrubber system must be bypassed as well.

(c) The facility entered into a Consent Decree with the United States Environmental Protection Agency, United States District Court for the Middle District of Florida Jacksonville Division. Civil Action No. 3:18-cv-943-J-39JBT and Anchor Glass Container Corporation, Inc. In the event of any conflict between the conditions contained in this permit pursuant to the Consent Decree and terms of the Consent Decree, the Consent Decree shall control.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

D.1.118 Visible Emissions Notations

(a) Daily visible emission notations of the Furnace #2 stack, identified as ST2, exhaust shall be performed during normal daylight operations when burning fuel oil, when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take a reasonable response. Section C – Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.1.12 Continuous Emissions Monitoring System (CEMS) for SO2 and NOx [Consent Decree, Civil Action No. 18cv-943]

(a) SO2 CEMS (CD ¶74-80)
The Permittee shall install, calibrate, certify, maintain, and operate SO2 CEMS at Furnace #2 in accordance with the requirements specified in Consent Decree Section IV.D (CEMS Installation, Calibration, Certification, Maintenance, and Operation), 40 CFR 60.13, (including but not limited to the 40CFR 60.13(h) provisions regarding data reduction, and the provisions for validating partial operating hours which shall apply), 40 CFR Part 60 Appendix B (Performance Specification 2), and 40 CFR Part 60 Appendix F (Quality Assurance Procedures) by no later than twelve (12) months from September 26, 2018. The SO2 CEMS must monitor and record the hourly SO2 emission concentrations (in parts per million (ppm)) during each operating day. Provided further, that in the event Furnace #2 is not in operation at the time it is otherwise required to meet the requirements, Furnace #2 shall not resume operation unless and until such SO2 CEMS has been installed on such Furnace; and such Furnace shall meet all other requirements within ninety (90) days following the date on which it resumes operation. On and after the date by which a CEMS is required to be installed, the Permittee shall use CEMS to demonstrate compliance with the relevant SO2 limits in Condition D.1.2.

When determining compliance using a certified SO2 CEMS, calculation of the 30-day rolling average emission rate may exclude emissions during the following periods: furnace startup, abnormally low production rate days; malfunction of the Furnace; maintenance of the furnace; and color transition.

(b) NOx CEMS (CD ¶74-80)
The Permittee shall install, calibrate, certify, maintain, and operate NOX CEMS at Furnace #2 in accordance with the requirements specified in Consent Decree Section IV.D (CEMS Installation, Calibration, Certification, Maintenance, and Operation) by no later than twelve (12) months from September 26, 2018 for Furnace #2. Provided further, that in the event Furnace #2 is not in operation at the time it is otherwise required to meet the requirements, such furnace shall not resume operation unless, and until such NOx CEMS has been installed on such furnace; and such furnace shall meet all other requirements within ninety (90) days following the date on which it resumes operation. On and after the date by which a CEMS is required to be installed, the Permittee shall use CEMS to demonstrate compliance with the relevant NOX limits in Condition D.1.4.

Option 1: Oxyfuel Technology Furnace
When determining compliance using a certified NOx CEMS, calculation of the 30-day rolling average emission rate may exclude emissions during the following periods: abnormally low production rate days; furnace startup; malfunction of the furnace; and maintenance of the furnace.

Option 2: SCR
When determining compliance using a certified NOx CEMS, calculation of the 30-day rolling average emission rate may exclude emissions during the following periods: abnormally low production rate days; up to the first ten (10) days of a furnace startup; control device startup; malfunction of the SCR, scrubber system, or ESP; and maintenance of the SCR, scrubber system, or ESP.
Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.139 Record Keeping Requirements

(a) To document the compliance status with Condition D.1.2 and D.1.3, the Permittee shall maintain records in accordance with (1) through (6) below.

1. Calendar dates covered in the compliance determination period;
2. Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions from the combustion of fuel oil pounds per million Btu of heat input;
3. The calendar month average heat content of the fuel oil used;
4. The calendar month average sulfur content of the fuel oil used;
5. A certification, signed by the owner or operator, that the records of the fuel oil supplier certifications represent all of the fuel oil combusted during the period; and
6. Fuel oil supplier certifications, which shall contain, as a minimum, the following:
   i. The name of the fuel oil supplier; and
   ii. A statement from fuel oil supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

(b) To document the compliance status with Condition D.1.8 – Visible Emission Notation, the Permittee shall maintain records once per day of visible emission notations of the Furnace #2 stack, identified as ST2, exhaust during normal operation. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the process did not operate that day).

(c) To document the compliance status with Condition D.1.1, the Permittee shall maintain glass throughput of the Furnace #2.

(d) To document the compliance status with the consent decree in Conditions D.1.2 and D.1.4, the Permittee shall maintain records on the hourly NOx and SO2 emissions as calculated using CEMs data, the daily production rate, the 30-day rolling average emissions rate as applicable, and all results from source tests conducted pursuant to the consent decree. For any operating days that the Permittee excludes from the 30 day rolling average emissions rate for NOx and SO2, the Permittee shall record the date, the relevant exception pursuant to which the Permittee is excluding emissions generated during that operating day, a calculation of the applicable emission limit, the 24-hour block emission rate calculated using data recorded by the CEMs, an explanation and corrective actions taken in the event of a malfunction, and the total number of hours in the event that maintenance occurred.
During furnace startup, the Permittee shall maintain records of the amount of salt cake added to the batch materials, the total natural gas usage in the furnace, the excess oxygen percentage, hot spot temperature measured once per shift, and a description of whether thermal blankets or similar techniques were used during this period.

Section C- General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

D.1.14 Reporting Requirements

A quarterly summary of the information required to document the compliance status with Condition D.1.1 shall be submitted using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting Requirements contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official,” as defined by 326 IAC 2-7-1(35).

SECTION E.3 NSPS

Emissions Unit Description:

(a) One (1) natural gas, propane, or numbers 2, 4, or 6 fuel oil-fired glass furnace, identified as Furnace #2, constructed in 1959, with a maximum design capacity of 350 tons of glass per day, with no abatement equipment present and emissions exhausting to stack ST2; Stack ST2 has continuous emissions monitors (CEMs) for nitrogen oxides (NO\textsubscript{X}) and sulfur dioxide (SO\textsubscript{2}).

Under 40 CFR 60, Subpart CC, this unit is considered an affected facility.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.1.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1, for the emission unit listed above, except as otherwise specified in 40 CFR Part 60, Subpart CC.

(b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
E.1.2 Standards of Performance for Glass Manufacturing Plants NSPS [326 IAC 12] [40 CFR Part 60, Subpart CC]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart CC (included as Attachment C to the operating permit), which are incorporated by reference as 326 IAC 12, for the emission unit listed above:

1. 40 CFR 60.290
2. 40 CFR 60.291
3. 40 CFR 60.292
4. 40 CFR 60.293
5. 40 CFR 60.296

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on September 26, 2019.

The staff recommends to the Commissioner that the Part 70 Significant Source Modification and Significant Permit Modification be approved.

IDEM Contact

(a) If you have any questions regarding this permit, please contact Kelcy Tolliver, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 234-6679 or (800) 451-6027, and ask for Kelcy Tolliver or (317) 234-6679.

(b) A copy of the findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: http://www.in.gov/idem/airquality/2356.htm; and the Citizens’ Guide to IDEM on the Internet at: http://www.in.gov/idem/6900.htm.
November 22, 2019

Mr. Liam Curtin
Anchor Glass Container Corporation
200 West Belleview Drive
Lawrenceburg, Indiana  47025

Re: Public Notice
Anchor Glass Container Corporation
Permit Level:  Title V SSM (Minor PSD) and
Title V SPM
Permit Number: 029-41972-00007 and
029-41999-00007

Dear Mr. Curtin:

Enclosed is a copy of your draft Title V Significant Source Modification (Minor PSD) and your Title V Significant Permit Modification, Technical Support Document, emission calculations, and the Public Notice.

The Public Notice period will begin the date the Notice is published on the IDEM Official Public Notice website. Publication has been requested and is expected within 2-3 business days. You may check the exact Public Notice begins and ends date here: [https://www.in.gov/idem/5474.htm](https://www.in.gov/idem/5474.htm)

Please note that as of April 17, 2019, IDEM is no longer required to publish the notice in a newspaper.

OAQ has submitted the draft permit package to the Lawrenceburg Public Library, 820 West Sweet Street in Lawrenceburg, Indiana. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Kelcy Tolliver, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension  4-6679 or dial (317) 234-6679.

Sincerely,

John F. Jackson

John F. Jackson
Permits Branch
Office of Air Quality
November 22, 2019

To: Lawrenceburg Public Library

From: Jenny Acker, Branch Chief
Permits Branch
Office of Air Quality

Subject: Important Information to Display Regarding a Public Notice for an Air Permit

Applicant Name: Anchor Glass Container Corporation
Permit Number: 029-41972-00007 and 029-41999-00007

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. Please make this information readily available until you receive a copy of the final package.

If you have any questions concerning this public review process, please contact Joanne Smiddle-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures
PN Library updated 4/2019
Notice of Public Comment

November 22, 2019
Anchor Glass Container Corporation
029-41972-00007 and 029-41999-00007

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has posted on IDEM’s Public Notice website at https://www.in.gov/idem/5474.htm.

The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana’s Air Permitting Program.

Please Note: If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.
AFFECTED STATE NOTIFICATION OF PUBLIC COMMENT PERIOD
DRAFT INDIANA AIR PERMIT

November 22, 2019

A 30-day public comment period has been initiated for:

Permit Number: 029-41972-00007 and 029-41999-00007
Applicant Name: Anchor Glass Container Corporation
Location: Lawrenceburg, Dearborn County, Indiana

The public notice, draft permit and technical support documents can be accessed via the IDEM Air Permits Online site at:
http://www.in.gov/ai/appfiles/idem-caats/

Questions or comments on this draft permit should be directed to the person identified in the public notice by telephone or in writing to:

Indiana Department of Environmental Management
Office of Air Quality, Permits Branch
100 North Senate Avenue
Indianapolis, IN 46204

Questions or comments regarding this email notification or access to this information from the EPA Internet site can be directed to Chris Hammack at chammack@idem.IN.gov or (317) 233-2414.

Affected States Notification 1/9/2017
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<th>Postage</th>
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<th>Act. Value (If Registered)</th>
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<td>Mr. John Teaney  P.O. Box 494  10837 Aurora IN 47001 (Affected Party)</td>
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<td>Ken &amp; Jackie Greive  4685 E. Laughery Creek Road Aurora IN 47001 (Affected Party)</td>
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<td>Marlin M. Guss, Jr.  10400 Millstone Dr, P.O. Box 272 Aurora IN 47001 (Affected Party)</td>
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<td>Mrs. Shirley Greive  4412 E. Laughery Aurora IN 47001 (Affected Party)</td>
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<td>Sam &amp; Nancy Valone  3826 E. Laughery Creek Rd Aurora IN 47001 (Affected Party)</td>
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<td>Mrs. Melanie Bushorn  4172 E. Laughery Creek Rd Aurora IN 47001 (Affected Party)</td>
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<td></td>
<td>Lawrenceburg Public Library 150 Mary Street Lawrenceburg IN 47025 (Library)</td>
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<td>Mr. John C. Evans RTP Environmental Associates, Inc. 304A West Millbrook Road Raleigh NC 27609 (Consultant)</td>
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<td>15</td>
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<td>Chandra Mattingly Rising Sun Recorder and Ohio County News 235 Main St Rising Sun IN 47040 (Affected Party)</td>
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