



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant
DATE: January 23, 2007
RE: Anchor Glass Container Corporation / 029-18871-00007
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-6-1(b) or IC 13-15-6-1(a) require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204.

For an **initial Title V Operating Permit**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **thirty (30)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(b).

For a **Title V Operating Permit renewal**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **fifteen (15)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(a).

The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of an initial Title V operating permit, permit renewal, or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impracticable to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency
401 M Street
Washington, D.C. 20406

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.



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Indianapolis, Indiana 46204-2251
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PART 70 OPERATING PERMIT RENEWAL OFFICE OF AIR QUALITY

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

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

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

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.

Operation Permit No.: T029-18871-00007	
Issued by: Origin signed by Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: January 23, 2007 Expiration Date: January 23, 2012
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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(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates stationary glass container manufacturing operation.

Responsible Official:	General Manager
Source Address:	200 West Belleview Drive, Lawrenceburg, Indiana 47025
Mailing Address:	200 West Belleview Drive, Lawrenceburg, Indiana 47025
General Source Phone Number:	(812) 537-1655
SIC Code:	3221
County Location:	Dearborn
Source Status:	Source Location Status: Nonattainment for Ozone and PM _{2.5} Attainment for all other criteria pollutants Part 70 Permit Program Major Source, under PSD and Emission Offset Rules;

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

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;
- (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.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

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

- (a) Cullet crushing operations [326 IAC 6.5-1-2];
- (b) Mold swabbing operations, including multiple forming machines [326 IAC 6.5-1-2];

- (c) Hot end treatment operations, including multiple coating hoods [326 IAC 6.5-1-2];
- (d) Six (6) parts washing stations used for maintenance purposes [326 IAC 8-3-2];
- (e) Mold shop operations [326 IAC 6.5-1-2];
- (f) One (1) cardboard baler [326 IAC 6.5-1-2]; and
- (g) 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].

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, T029-18871-00007, 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]

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. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). 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) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) The "Responsible Official" is defined at 326 IAC 2-7-1(34).

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 Branch, Office of Air Quality
100 North Senate Avenue
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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)]
[326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) 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.
- (b) 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 or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) 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, 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 Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

- (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 Branch, Office of Air Quality
100 North Senate Avenue
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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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)(9) 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.
 - (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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 T029-18871-00007 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, except for permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).

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 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. 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.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (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)]

B.17 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(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
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 in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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.19 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 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.20 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),(c), or (e) 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:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) 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),(c), or (e). 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), (c)(1), and (e)(2).

- (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(36)) 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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at in 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.
- (e) 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.21 Source Modification Requirement [326 IAC 2-7-10.5] [326 IAC 2-2-2] and/or [326 IAC 2-3-2]

- (a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.
- (b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2-2 and/or 326 IAC 2-3-2.

B.22 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.23 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (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.24 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.25 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 OPERATION CONDITIONS

Entire Source

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 5-1-3 (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. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

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

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

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 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. 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.6 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
Asbestos Section, Office of Air Quality
100 North Senate Avenue
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 by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 Accredited 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 Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.7 Performance Testing [326 IAC 3-6]

-
- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
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 certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (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.8 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.9 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, 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 Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.10 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

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.
- (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 prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on June 3, 1996.
- (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(12)] [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]

- (a) Upon detecting an excursion or exceedance, the Permittee shall 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 emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned 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 within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

- (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;
 - (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 maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions 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 take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) 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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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]

- (a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year 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 (32) ("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
Indianapolis, Indiana 46204-2251

The emission statement does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

- (b) The emission statement 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.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. 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, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.
- (c) If there is a reasonable possibility that a “project” (as defined in 326 IAC 2-2-1 (qq)) and 326 IAC 2-3-1 (ll) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a “major modification” (as defined in 326 IAC 2-2-1 (ee) and 326 IAC 2-3-1 (z)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1 (rr) or 326 IAC 2-3-1 (mm)), the Permittee shall comply with following:
 - (1) Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1 (qq) and 326 IAC 2-3-1 (ll)) 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(rr)(2)(A)(iii) and 326 IAC 2-3-1(mm)(2)(A)(3); and
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
 - (2) 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

- (3) 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. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
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) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) 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.
- (f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq) and 326 IAC 2-3-1 (ll)) 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 (xx) and 326 IAC 2-3-1 (qq), 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).
- (g) The report for a project at an existing emissions unit shall be submitted within 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 (c)(2) and (3) 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 326 IAC 2-3-2(c)(3).
- (4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

- (h) 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 the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

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.

(The information describing the process contained in this facility 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 (PM) [326 IAC 6.5-3]

Pursuant to 326 IAC 6.5-3-2 (1) & (2) (Nonattainment Area Particulate Limitations), the particulate matter emissions from the glass Furnace #2 shall not exceed 1.0 pound per ton of glass produced and 42.80 tons per year.

D.1.2 Sulfur Dioxide (SO₂) [326 IAC 7-1.1-1][326 IAC 7-2-1]

Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), when combusting number 2 fuel oil, the SO₂ emissions from the combustion of fuel oil in Furnace #2 shall not exceed 0.5 pound per million Btu of heat input. In order to comply with this limit, the sulfur content of the number 2 fuel oil shall not exceed 0.5 weight percent.

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

Pursuant to 326 IAC 7-4 (Sulfur Dioxide Emission Limitations), when combusting number 6 fuel oil, the SO₂ emissions from the combustion of fuel oil in Furnace #2 shall not exceed 1.4 pounds per million Btu of heat input. In order to comply with this limit, the sulfur content of the number 6 fuel oil shall not exceed 1.28 weight percent.

D.1.4 Arsenic [40 CFR Part 61.160, Subpart N]

Pursuant to 40 CFR Parts 61.160, Subpart N (National Emission Standards for Inorganic Arsenic Emissions from Glass Manufacturing Plants) arsenic shall not be used as a raw material in Furnace #2. Therefore, the requirements of this rule shall not apply.

Compliance Determination Requirements

D.1.5 Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options:

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the #2 fuel oil sulfur content does not exceed five-tenths percent (0.5%) by weight and that the #6 fuel oil sulfur content 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.1.6 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.1.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Within 180 days of permit issuance, the Permittee shall conduct a performance test to determine particulate matter (PM) emission rate from Furnace #2 utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

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

D.1.8 Visible Emissions Notations

- (a) Daily visible emission notations of the Furnace #2 stack 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 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.

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

D.1.9 Record Keeping Requirements

- (a) To document compliance 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 compliance with Condition D.1.8, the Permittee shall maintain records of visible emission notations of the Furnace #2 stack exhaust once per day.
- (c) To document compliance with Condition D.1.1, the Permittee shall maintain glass throughput of the Furnace #2.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.10 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

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 facility 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 [326 IAC 6.5-3]

Pursuant to 326 IAC 6.5-3 (Nonattainment Area Particulate Matter Limitations), 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.

Compliance Determination Requirements

D.2.2 Baghouses [326 IAC 2-7-6(1)]

The baghouse 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.

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

D.2.3 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 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.2.4 Broken or Failed Bag Detection

- (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.

D.2.5 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.2.6 Record Keeping Requirements

- (a) To document compliance with Condition D.2.3, the Permittee shall maintain records of daily visible emission notations of the raw materials batch storage process stack exhaust.
- (b) To document compliance with Condition D.2.5, the Permittee shall maintain the following:
 - (1) Daily records of the pressure drop during normal operation when venting to the atmosphere.
 - (2) Documentation of the dates vents are redirected.
- (c) All records shall be maintained in accordance with Section C – General Record Keeping Requirements, of this permit.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

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 facility 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 [326 IAC 6.5-3]

Pursuant to 326 IAC 6.5-3 (Nonattainment Area Particulate Matter Limitations), 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.

Compliance Determination Requirements

D.3.2 Baghouses [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.

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

D.3.3 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.3.4 Broken or Failed Bag Detection

- (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.

D.3.5 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.3.6 Record Keeping Requirements

- (a) To document compliance with Condition D.3.3, the Permittee shall maintain records of daily visible emission notations of the raw materials batch weighing and mixing process stack exhaust.
- (b) To document compliance with Condition D.3.5, the Permittee shall maintain the following:
- (1) Daily records of the pressure drop during normal operation when venting to the atmosphere.
 - (2) Documentation of the dates vents are redirected.
- (c) All records shall be maintained in accordance with Section C – General Record Keeping Requirements, of this permit.

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

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.

(The information describing the process contained in this facility 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 [326 IAC 6.5-3]

Pursuant to 326 IAC 6.5-3 (Nonattainment Area Particulate Matter Limitations), the particulate matter emissions from the raw materials batch silo shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

Compliance Determination Requirements

D.4.2 Baghouses [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.

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

D.4.3 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 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.4.4 Broken or Failed Bag Detection

- (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.

D.4.5 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.4.6 Record Keeping Requirements

- (a) To document compliance with Condition D.4.3, the Permittee shall maintain records of daily visible emission notations of the raw materials batch silo stack exhaust.
- (b) To document compliance with Condition D.4.5, the Permittee shall maintain the following:
 - (1) Daily records of the pressure drop during normal operation when venting to the atmosphere.
 - (2) Documentation of the dates vents are redirected.
- (c) All records shall be maintained in accordance with Section C – General Record Keeping Requirements, of this permit.

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

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

(The information describing the process contained in this facility 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 [326 IAC 6.5-3]

Pursuant to 326 IAC 6.5-3 (Nonattainment Area Particulate Matter Limitations), the particulate matter emissions from the raw materials underground conveyor shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

Compliance Determination Requirements

D.5.2 Baghouse [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.

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

D.5.3 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 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.5.4 Broken or Failed Bag Detection

- (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.

D.5.5 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 compliance with Condition D.5.3, the Permittee shall maintain records of daily visible emission notations of the underground conveyor stack exhaust.
- (b) To document compliance with Condition D.5.5, the Permittee shall maintain the following:
- (1) Daily records of the pressure drop during normal operation when venting to the atmosphere.
 - (2) Documentation of the dates vents are redirected.
- (c) All records shall be maintained in accordance with Section C – General Record Keeping Requirements, of this permit.

SECTION D.6 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Insignificant Activities:

- (a) Cullet crushing operation;
- (b) Mold swabbing operations, including multiple forming machines;
- (c) Hot end treatment process, including multiple coating hoods;
- (d) Mold shop operations;
- (e) One (1) cardboard baler;
- (f) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment;

(The information describing the process contained in this facility 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 [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (Nonattainment Area Particulate Matter Limitations), the particulate matter emissions from the above emission units shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

SECTION D.7 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

six (6) parts washing stations used for maintenance purposes

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

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

D.7.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the owner or operator shall:

- (a) Equip the cleaners with a cover;
- (b) Equip the cleaners with a facility for draining cleaned parts;
- (c) Close the degreaser covers whenever parts are not being handled in the cleaner;
- (d) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.7.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:
 - (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
 - (B) The solvent is agitated; or
 - (C) The solvent is heated.
 - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

- (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate..

D.7.3 Hazardous Air Pollutants (HAPs)

Pursuant to the 40 CFR Part 63 National Emission Standards for Hazardous Air Pollutants: Halogenated Solvent Cleaning, Subpart T, the solvent used in the parts washers shall not contain any of the following halogenated solvents in concentrations greater than five percent by weight: methylene chloride, 1,1,1-trichloroethane, trichloroethylene, perchloroethylene, carbon tetrachloride, or chloroform. Therefore, the requirements of this NESHAP shall not apply.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY**

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Anchor Glass Container Corporation
Source Address: 200 West Belleview Drive, Lawrenceburg, Indiana 47025
Mailing Address: 200 West Belleview Drive, Lawrenceburg, Indiana 47025
Part 70 Permit No.: T029-18871-00007

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:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Phone: 317-233-0178
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Anchor Glass Container Corporation
Source Address: 200 West Belleview Drive, Lawrenceburg, Indiana 47025
Mailing Address: 200 West Belleview Drive, Lawrenceburg, Indiana 47025
Part 70 Permit No.: T029-18871-00007

This form consists of 2 pages

Page 1 of 2

- | |
|--|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none">C The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); andC 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:

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

Page 2 of 2

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, SO ₂ , VOC, NO _x , 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:

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION**

Part 70 Quarterly Report

Source Name: Anchor Glass Container Corporation
 Source Address: 200 West Belleview Drive, Indiana 47025
 Mailing Address: 200 West Belleview Drive, Indiana 47025
 Part 70 Permit No.: T029-18871-00007
 Facility: Glass Furnace #2
 Parameter: PM
 Limit: Furnace #2: 42.80 tons per 12 consecutive month period.

Compliance to be determined by 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.

YEAR:

Facility	Month	Column 1	Column 2	P = Column 1 + Column 2	PM emission factor	PM = (EF* P)/2000
		Glass Produced This Month	Glass Produced Previous 11 Months	12 Month Total Glass Produced	(lbs PM / ton glass produced	Emissions from furnace
Furnace #2	Month 1					
Furnace #2	Month 2					
Furnace #2	Month 3					

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.
 Deviation has been reported on:

Submitted by:
 Title / Position:
 Signature:
 Date:
 Phone:

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Anchor Glass Container Corporation
Source Address: 200 West Belleview Drive, Indiana 47025
Mailing Address: 200 West Belleview Drive, Indiana 47025
Part 70 Permit No.: T029-18871-00007

Months: _____ to _____ Year: _____

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, 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".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

**Indiana Department of Environmental Management
Office of Air Quality**

**Addendum to the
Technical Support Document (TSD) for a Part 70 Permit Renewal**

Source Background and Description

Source Name:	Anchor Glass Container Corporation
Source Location:	200 West Belleview Drive, Lawrenceburg, Indiana 47025
County:	Dearborn
SIC Code:	3221
Operation Permit No.:	T029-18871-00007
Permit Reviewer:	Surya Ramaswamy / EVP

On September 26, 2006, the Office of Air Quality (OAQ) had a notice published in the Journal Press, Lawrenceburg, Indiana, stating that Anchor Glass Container Corporation had applied for a Part 70 permit renewal for the operation of a glass containers manufacturing operation. The notice also stated that OAQ proposed to issue a Part 70 Permit for this operation and provided information on how the public could review the proposed Part 70 Permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this Part 70 Permit should be issued as proposed.

On October 26, 2006, Joseph M. VanCamp, at Cornerstone Environmental Group, LLC submitted comments on the proposed Title V permit. The summary of the comments and corresponding responses is as follows (bolded language has been added and the language with a line through it has been deleted):

Comment 1

Anchor Glass requests that original emission unit Furnace # 1 be left in the Title V permit renewal for clarity and historical purposes since it has not been dismantled or removed. It should be described exactly the same as it appears in the current Title V permit. This furnace, although it has not been operated in some time, is still capable of being operated if a new refractory lining was added inside the furnace. The furnace foundation, stack, and flue are still assembled and present at the facility. The decision of what type of permit modification would be required to renew operation of Furnace #1 should be left to such time as when the exact physical modifications are assessed. IDEM has no legal authority to remove Furnace #1 from the equipment listings without a permit denial determination or by source request. Neither has occurred in this case.

Response 1

Based on the source inspection, it was determined that in order for the Furnace #1 to be operational, the source would have to replace the furnace or perform major repairs. This would trigger a Significant Permit Modification. The renewal is supposed to reflect only the operational equipment at the source at the time of issuance. Since the Furnace #1 is not in operational condition, it is not included in the Title V permit.

Comment 2

The glass tonnage throughput limit for existing Furnace # 2 identified in Section D.1.1 is not correct. The throughput should be based upon the most recent OAQ approved stack test. The most recent approved stack test was performed in December 2003 and was documented as 0.59 pounds of PM per ton of glass produced. The correct glass tonnage throughput limit for this furnace based upon the documented 0.59 pounds per ton emission factor is 145,084 tons per consecutive 12-month period. This issue had been discussed extensively with Femi Ogunsola of Enviroplan Consulting in November 2004 during the Title V permit renewal application review process, and he verified that IDEM had agreed to accept this new emission factor and glass tonnage limit. Copies of this correspondence are attached for your reference. The facility requests that the 85,593 tons of glass throughput limit in Section D.1.1 and on the Part 70 Quarterly Report Form (Page 45 of 47) of the renewal permit be corrected to 145,084 tons of glass. The throughput limit should also be corrected on the TSD Page 10 of 18 under State Rule Applicability for Furnace #2.

Response 2

Based on the last PM test conducted on Furnace#2 in December 2003, the Condition D.1 and Part 70 Quarterly Report Form for the Furnace#2 have been revised. Two (2) new conditions have been added to the title V permit to provide an equation for Permittee to use to show compliance with 42.80 tons of PM per year and the PM testing requirement for Furnace #2. Condition D.1.7 (now D.1.9) and the reporting form have also been revised to reflect this change.

D.1.1 Particulate Matter (PM) [326 IAC 6.5-3]

Pursuant to 326 IAC 6.5-3-2 (1) & (2) (Nonattainment Area Particulate Limitations), the particulate matter emissions from the glass Furnace #2 shall not exceed 1.0 pound per ton of glass produced and 42.80 tons per year. ~~The throughput to furnace #2 shall not exceed 85,593 tons per 12 consecutive month period with compliance demonstrated at the end of each month. This throughput limit is required to limit the particulate emissions to 42.80 tons per year.~~

D.1.6 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:

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

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

D.1.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Within 180 days of permit issuance, the Permittee shall conduct a performance test to determine particulate matter (PM) emission rate from Furnace #2 utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.79 Record Keeping Requirements

- ...
- (b) To document compliance with Condition ~~D.1.6~~ **D.1.8**, the Permittee shall maintain records of visible emission notations of the Furnace #2 stack exhaust once per ~~shift~~ **day**.
 - (c) To document compliance with Condition D.1.1, the Permittee shall maintain glass throughput of the Furnace #2.

(e)(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION**

Part 70 Quarterly Report

Source Name: Anchor Glass Container Corporation
 Source Address: 200 West Belleview Drive, Indiana 47025
 Mailing Address: 200 West Belleview Drive, Indiana 47025
 Part 70 Permit No.: T029-18871-00007
 Facility: Glass Furnace #2
 Parameter: ~~Throughput~~ **PM**
 Limit: Furnace #2: ~~85,593~~ **42.80** tons per 12 consecutive month period.

Compliance to be determined by the following equation:

Glass Produced by Furnace #2 (tons/year) x EF x $\frac{1 \text{ ton}}{2000 \text{ lb}}$ ≤ 42.80 tons/year of PM.

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

YEAR:

Facility	Month	Column 1	Column 2	P = Column 1 + Column 2	PM emission factor	PM = (EF* P)/2000
		Glass Produced This Month	Glass Produced Previous 11 Months	12 Month Total Glass Produced	(lbs PM / ton glass produced)	Emissions from furnace
Furnace #2	Month 1					
Furnace #2	Month 2					
Furnace #2	Month 3					

Comment 3

We request confirmation that the daily visible emission notation requirement for Furnace #2 in Section D.1.6 (a) only pertains to when the furnace is burning fuel oil as is stated.

Response 3

Condition D.1.6(a) clearly states that daily visible emission notation is only required only when burning fuel oil.

Comment 4

The natural gas-fired boiler certification language in Section D.1.8 should be removed since there is no requirement applicable to Furnace #2. The Certification form on Page 43 of 47 should also be removed from the permit renewal.

Response 4

The Part 70 quarterly report and natural gas-fired boiler certification requirement are not applicable to Furnace#2. The Condition D.1.8 (now D.1.10) has been revised as follows:

D.1.810 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.1, ~~D.1.2 and D.1.3~~ in any compliance period when fuel oil was combusted, and the natural gas fired boiler certification, shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. **The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).**

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION**

Part 70 Quarterly Report

Source Name: _____ Anchor Glass Container Corporation
 Source Address: _____ 200 West Belleview Drive, Lawrenceburg, Indiana 47025
 Mailing Address: _____ 200 West Belleview Drive, Lawrenceburg, Indiana 47025
 Part 70 Permit No.: _____ T029-18871-00007
 Facility: _____ Furnace #2
 Parameter: _____ Sulfur content and heat content of fuel oil used, amount of fuel oil used, and SO₂ emissions
 Limits: _____ SO₂ emissions of 0.5 lb/MMBTU of heat input when combusting #2 or #4 fuel oil
 _____ and 1.4 lb/MMBTU of heat input when combusting #6 fuel oil

Month: _____ Year: _____

Month	Type of Fuel Used (#2 or #6)	Sulfur Content (%)	Heat Content	Fuel usage (gal/month)	SO ₂ Emissions (lb/MMBTU)
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

— Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT
SEMI-ANNUAL NATURAL GAS FIRED BOILER CERTIFICATION**

Source Name: _____ Anchor Glass Container Corporation
Source Address: _____ 200 West Belleview Drive, Lawrenceburg, Indiana 47025
Mailing Address: _____ 200 West Belleview Drive, Lawrenceburg, Indiana 47025
Part 70 Permit No.: _____ T029-18871-00007

Natural Gas Only
 Alternate Fuel burned
From: _____ To: _____

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:

A certification by the responsible official as defined by 326 IAC 2-7-1(34) is required for this report.

Comment 5

We request confirmation that a Preventive Maintenance Plan will not be required for the glass furnaces, raw material batch storage and handling processes controlled with baghouses as provided in Sections D.1 through D.5.

Response 5

The Preventive Maintenance Plan requirements are still applicable for the glass furnaces, raw material batch storage and handling processes, however, each individual PMP requirement is not listed in the D section but listed only once as a general PMP condition (Condition B.10) in Section B of the permit.

Comment 6

The term "batch storage" should be removed from Condition D.3.2 as not applicable to the condition. Paragraph (b) pertaining to the Raw Materials Batch Weighing and Mixing Process should be corrected to state that the baghouses "control emissions from the batch weighing and mixing process at all times that the process is in operation". The "batch storage" references are incorrect.

Response 6

The Condition D.3.2 has been revised as follows:

D.3.2 Baghouses [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 ~~batch storage~~ process is in operation, in order to comply with the limit in condition D.3.1.

Comment 7

The term "batch storage" should be removed from Condition D.4.2 as not applicable to the condition. Paragraph (c) pertaining to the Raw Materials Batch Silo should be corrected to state that the baghouses "control emissions from the batch silo process at all times that the process is in operation". The "batch storage" references are incorrect.

Response 7

The Condition D.4.2 has been revised as follows:

D.4.2 Baghouses [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 ~~batch storage~~ process is in operation, in order to comply with the limit in condition D.4.1.

Comment 8

The term "batch storage" should be removed from Condition D.5.2 as not applicable to the condition. Paragraph (d) pertaining to the Underground Conveyor should be corrected to state that the baghouses "control emissions from the underground conveyor process at all times that the process is in operation". The "batch storage" references are incorrect.

Response 8

The Condition D.5.2 has been revised as follows:

D.5.2 Baghouse [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 ~~batch storage~~ process is in operation, in order to comply with the limit in condition D.5.1.

Comment 9

The Enforcement Issue section of the TSD on Page 4 of 18 is incorrect and out of date. IDEM is not reviewing the matter. The matter identified was formally and completely resolved with a Consent Agreement and Final Order filed with the Regional Hearing Clerk, Region 5, U.S. EPA on January 26, 2006. The Addendum to the TSD should clarify this matter as resolved.

Response 9

The Enforcement issue listed in the TSD has been resolved as indicated. These revisions will not affect any conditions in the permit. The OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the technical support document that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision. The TSD should have read as follows:

Enforcement Issue

~~IDEM is aware that there is a pending enforcement action for Notice of Violation/ Finding of Violation (EPA-05-05-07-IN) issued by EPA based on February 08, 2005. This Notice of Violation/Finding of Violation was issued to source for violating the following list of conditions in permit T029-6043-00007 and the Indiana State Implementation Plan (SIP). IDEM is reviewing this matter and will take the appropriate action.~~

- ~~1. During the November 4, 2004 inspection, U.S. EPA reviewed records of visual emissions and baghouse pressure drop measurements from July 1, 2004 through November 3, 2004. Numerous violations were discovered from these records for this time period.~~
- ~~2. Anchor Glass maintained incomplete visible emission notation for units ST3, ST4, ST5, ST10, ST11, and ST12 and no visible emission notations for units ST6, ST7, ST8, ST9, and ST2, in violation of Permit conditions D.6.5 (a), D.5.5 (a), D.4.5 (a), D.3.5 (a), and D.2.8 (a).~~
- ~~3. Anchor Glass maintained incomplete daily static pressure drop records for units ST3, ST5, ST11, and ST12 and no static pressure drop records for units ST4, ST6, ST7, ST8, and ST9, in violation of these permit conditions, recorded pressure drop readings were above the allowable maximum of 5.0 inches of water.~~
- ~~4. Anchor Glass maintained incomplete daily visible emissions records for units ST3, ST5, ST10, ST11, and ST12 and no daily visible emissions records for units ST2, ST4, ST6, ST7, ST8, and ST9, in violation of Permit conditions D.6.9 (a), D.5.9 (a), D.4.9 (a), D.3.9 (a), and D.2.9 (b).~~
- ~~5. Anchor Glass maintained incomplete daily differential static pressure records for units ST3, ST5, ST10, ST11, and ST12 and no daily differential static pressure records for units conditions D.6.9 (b)(1)(A), D.5.9 (b)(1)(A), D.4.9 (b)(1)(A), and D.3.9 (b)(1)(A).~~
- ~~6. Anchor Glass is not operating the baghouses ST6, ST7, ST8, and ST9 for the raw materials batch storage process and baghouse ST4 associated with the raw materials batch silo as a means of complying with its PM emission limitation of 0.03 grains per dry standard cubic foot of exhaust air (Condition D.3.4 and D.5.4), in violation of Permit conditions D.3.1 and D.5.1 and SIP violations at 326 IAC 6-1-2.~~
- ~~7. Anchor Glass is not operating the baghouses ST4, ST6, ST7, ST8, and ST9, and therefore is violating Permit conditions D.3.4 and D.5.4.~~

- ~~8. Anchor Glass's operation in violation of its Part 70 operating permit as listed above constitutes violations of Section 502 of the Act, 40 C.F.R § 70.7 (b) and the Indiana SIP at 326 IAC 6-1-2.~~

There are no enforcement actions pending.

Upon further review IDEM, OAQ has made the following changes to the Title V (additions in bold, deletions in ~~strikeout~~): The wrong emission unit has been addressed in the Condition D.6.1. This error has been corrected by inserting the correct emission units. The following changes have been incorporated into the permit as a result:

SECTION D.6 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: **Insignificant Activities:**

- (a) Cullet crushing operation;
- (b) Mold swabbing operations, including multiple forming machines;
- (c) Hot end treatment process, including multiple coating hoods;
- (d) Mold shop operations;
- (e) One (1) cardboard baler;
- (f) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment;

(The information describing the process contained in this facility 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 [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (Nonattainment Area Particulate Matter Limitations), the particulate matter emissions from the ~~raw materials batch weighing and mixing process~~ **above emission units** shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

**Addendum to Appendix A: Emission Calculations
Glass Furnace # 2**

Company Name: Anchor Glass container Corporation
 Address City IN Zip: 200 West Belleview Drive, Lawrenceburg, Indiana 47025
 Part 70 Permit: T029-18871-00007
 Reviewer: Surya Ramaswamy/EVP
 Date: 10/27/2006

Emissions from Glass Furnace # 2

Capacity (tons / day)	350.00
rate (tons glass / hr)	14.58

Pollutant	Ef (lb/ ton produced)	Ebc (ton/yr)	Eac (ton/yr)	Type of control	Control Efficiency (%)
PM	0.59	37.69	37.69	none	
PM ₁₀	0.59	37.69	37.69		
SO ₂	3.40	217.18	217.18		
NO _x	6.20	396.03	396.03		
VOC	0.20	12.78	12.78		
CO	0.20	12.78	12.78		

Notes:

SCC# 3-05-014-02
 Ef = Emission Factors;
 Ebc = Emissions Before Controls = Rate (units/hr) x Ef(lbs/unit) x 8760 hrs/yr / 2000 lbs/hr
 Eac = Emissions After Controls = (1-efficiency/100) x Ebc
 Emission factors are taken from AP-42 Ch. 11.15
 Emission factors for PM/PM10 is based on stack testing performed on Furnace #2.

Compliance Calculations

Allowable Emissions:	
The following calculations determine PM compliance with 326 IAC 6-3-2 for process weight rates less than 30 tons per hour:	
P=	14.58 tons/hr
Limit : E = (4.1*	14.58 ^0.67) = 24.69 lb/hr (allowable)
with potential:	
37.69 tons/yr x	2000 lb/ton / 8760 hr/yr = 8.60 lb/hr (will comply)

Emissions Limitation based on 326 IAC 6.5-3-2 (1) & (2)

Capacity (tons / day)	397.49
rate (tons glass / hr)	16.56

Pollutant	Ef (lb/ ton produced)	Ebc (ton/yr)	Eac (ton/yr)	Type of control	Control Efficiency (%)
PM	1.00	42.80	42.80	none	
PM ₁₀	1.00	42.80	42.80		

Maximum Capacity (tons/year)	145,084
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**Indiana Department of Environmental Management
Office of Air Quality**

Technical Support Document (TSD) for a Part 70 Operating Permit Renewal

Source Background and Description

Source Name:	Anchor Glass Container Corporation
Source Location:	200 West Belleview Drive, Lawrenceburg, Indiana 47025
County:	Dearborn
SIC Code:	3221
Operation Permit No.:	029-6043-00007
Operation Permit Issuance Date:	December 29, 1999
Permit Renewal No.:	029-18871
Permit Reviewer:	Surya Ramaswamy/EVP

The Office of Air Quality (OAQ) has reviewed a Part 70 Operating Permit Renewal application from Anchor Glass Container Corporation relating to the operation of glass containers manufacturing operation.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted 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;
- (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.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted emission units operating at this source during this review process.

Emission Units and Pollution Control Equipment Removed From This Source

The following permitted emission units have been removed from this source:

- (a) one (1) natural gas, propane, or numbers 2, 4, or 6 fuel oil-fired glass furnace, identified as Furnace #1, constructed in 1951, with a maximum design capacity of 421 tons of glass per day, with no abatement equipment present and emissions exhausting to stack ST1;

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) cullet crushing operations [326 IAC 6.5-1-2];
- (b) mold swabbing operations, including multiple forming machines [326 IAC 6.5-1-2];
- (c) hot end treatment operations, including multiple coating hoods [326 IAC 6.5-1-2];
- (d) six (6) parts washing stations used for maintenance purposes [326 IAC 8-3-2] [326 IAC 8-3-5];
- (e) mold shop operations [326 IAC 6.5-1-2];
- (f) one (1) cardboard baler [326 IAC 6.5-1-2];
- (g) 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];
- (h) one (1) bottle internal treatment operation;
- (i) eight (8) natural gas-fired annealing lehrs;
- (j) cold end container coating operation including multiple spray coaters;
- (k) one (1) video jet printing system;
- (l) storage tanks emitting less than one (1) ton per year of a single HAP and less than fifteen (15) pounds per day of VOC;
- (m) natural gas-fired combustion sources with heat input equal to or less than ten million Btu per hour;
- (n) equipment powered by internal combustion engines of capacity equal to or less than 500,000 Btu/hour, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 Btu/hour;
- (o) a gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons;
- (p) a petroleum fuel, other than gasoline, having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month;
- (q) storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons;
- (r) vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids;
- (s) refractory storage not requiring air pollution control equipment;
- (t) filling drums, pails or other packaging containers with lubricating oils, waxes, and greases;

- (u) application of oils, greases, lubricants, or other nonvolatile materials applied as temporary protective coatings;
- (v) Cleaners and solvents having a vapor pressure equal to or less than 2 kPa; 15 mm Hg; or 0.3 psi measured at 38 degrees C or having a vapor pressure equal to or less than 0.7 kPa; 5 mm Hg; or 0.1 psi measured at 20 degrees C; the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months;
- (w) closed loop heating and cooling systems;
- (x) activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume;
- (y) any operation using aqueous solutions containing less than 1% by weight of VOCs, excluding HAPs;
- (z) water based adhesives that are less than or equal to 5% by volume of VOCs, excluding HAPs;
- (aa) forced and induced draft cooling tower system not regulated under a NESHAP;
- (bb) replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment;
- (cc) heat exchanger cleaning and repair;
- (dd) paved and unpaved roads and parking lots with public access;
- (ee) covered conveyors for limestone conveying of less than or equal to 7,200 tons per day for sources other than mineral processing plants constructed after August 31, 1983;
- (ff) underground conveyors;
- (gg) asbestos abatement projects regulated by 326 IAC 14-10;
- (hh) equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks and fluid handling equipment;
- (ii) blowdown for any of the following: sight glass, boiler, compressors, pumps and cooling tower;
- (jj) diesel generators not exceeding 1600 horsepower;
- (kk) stationary fire pumps;
- (ll) grinding and machining operations;
- (mm) mold release agents using low volatile products (vapor pressure less than or equal to 2 kilopascals measured at 38 degrees C); and
- (nn) a laboratory as defined in 326 IAC 2-7-1(21)(D).

Existing Approvals

The source has constructed or has been operating under the following previous approvals:

- (a) Title V Permit No. 029-6043-00007, issued on December 29, 1999;

- (b) First Reopening 029-13173-00007, issued on October 30, 2001;
- (c) First Administrative Amendment 029-15165-00007, issued on January 18, 2002;
- (d) Second Administrative Amendment 029-20287-00007, issued on January 25, 2005; and
- (e) Third Administrative Amendment 029-20840-00007, issued on March 31, 2005.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

Enforcement Issue

IDEM is aware that there is a pending enforcement action for Notice of Violation/ Finding of Violation (EPA -05-05-07-IN) issued by EPA based on February 08, 2005. This Notice of Violation/Finding of Violation was issued to source for violating the following list of conditions in permit T029-6043-00007 and the Indiana State Implementation Plan (SIP). IDEM is reviewing this matter and will take the appropriate action.

1. During the November 4, 2004 inspection, U.S. EPA reviewed records of visual emissions and baghouse pressure drop measurements from July 1, 2004 through November 3, 2004. Numerous violations were discovered from these records for this time period.
2. Anchor Glass maintained incomplete visible emission notation for units ST3, ST4, ST5, ST10, ST11, and ST12 and no visible emission notations for units ST6, ST7, ST8, ST9, and ST2, in violation of Permit conditions D.6.5 (a), D.5.5 (a), D.4.5 (a), D.3.5 (a), and D.2.8 (a).
3. Anchor Glass maintained incomplete daily static pressure drop records for units ST3, ST5, ST11, and ST12 and no static pressure drop records for units ST4, ST6, ST7, ST8, and ST9, in violation of these permit conditions, recorded pressure drop readings were above the allowable maximum of 5.0 inches of water.
4. Anchor Glass maintained incomplete daily visible emissions records for units ST3, ST5, ST10, ST11, and ST12 and no daily visible emissions records for units ST2, ST4, ST6, ST7, ST8, and ST9, in violation of Permit conditions D.6.9 (a), D.5.9 (a), D.4.9 (a), D.3.9 (a), and D.2.9 (b).
5. Anchor Glass maintained incomplete daily differential static pressure records for units ST3, ST5, ST10, ST11, and ST10 and no daily differential static pressure records for units conditions D.6.9 (b)(1)(A), D.5.9 (b)(1)(A), D.4.9 (b)(1)(A), and D.3.9 (b)(1)(A).
6. Anchor Glass is not operating the baghouses ST6, ST7, ST8, and ST9 for the raw materials batch storage process and baghouse ST4 associated with the raw materials batch silo as a means of complying with its PM emission limitation of 0.03 grains per dry standard cubic foot of exhaust air (Condition D.3.4 and D.5.4), in violation of Permit conditions D.3.1 and D.5.1 and SIP violations at 326 IAC 6-1-2.
7. Anchor Glass is not operating the baghouses ST4, ST6, ST7, ST8, and ST9, and therefore is violating Permit conditions D.3.4 and D.5.4.
8. Anchor Glass's operation in violation of its Part 70 operating permit as listed above constitutes violations of Section 502 of the Act, 40 C.F.R § 70.7 (b) and the Indiana SIP at 326 IAC 6-1-2.

Recommendation

The staff recommends to the Commissioner that the Part 70 permit be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete Part 70 permit renewal application for the purposes of this review was received on March 24, 2004.

There was no notice of completeness letter mailed to the Permittee.

Emission Calculations

See Appendix A of this document for detailed emission calculations (pages 1 through 6 of TSD Appendix A)

Potential to Emit of the Source

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA.”

The source was issued a Part 70 Operating Permit on December 29, 1999. The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered enforceable only after issuance of the original Part 70 operating Permit and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/emission unit	Potential to Emit (tons/year)							
	PM	PM ₁₀	SO ₂	VOC	CO	NO _x	HAPs	
							Single Worst Case	Total Combined
Glass Furnace #2	37.69	37.69	217.18	12.78	12.78	396.03	0.00	0.00
Raw Materials Batch Storage	0.58*	0.58*	0.00	0.00	0.00	0.00	0.00	0.00
Raw Materials Batch Weighing and Mixing	0.58*	0.58*	0.00	0.00	0.00	0.00	0.00	0.00
Raw Material Batch Silo	0.58*	0.58*	0.00	0.00	0.00	0.00	0.00	0.00
Underground Conveyor	0.58*	0.58*	0.00	0.00	0.00	0.00	0.00	0.00
Total PTE	40.01	40.01	217.18	12.78	12.78	396.03	<10.00	<25.00

* The PM/PM₁₀ emissions are controlled by baghouse with control efficiency of 99%.
 Note: The uncontrolled potential to emit of PM/PM₁₀ is greater than 100 tons per year.

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of SO₂ and NO_x are equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) Fugitive Emissions
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2003 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	no data
PM ₁₀	50.00
SO ₂	157.00
VOC	10.00
CO	17.00
NO _x	470.00
HAP (specify)	no data

County Attainment Status

The source is located in Dearborn County (Lawrenceburg Township).

Pollutant	Status
PM ₁₀	Attainment
PM _{2.5}	Non-Attainment
SO ₂	Attainment
NO ₂	Attainment
8-hour Ozone	Non-Attainment
CO	Attainment
Lead	Attainment

- (a) On August 7, 2006, a temporary emergency rule took effect revoking the one-hour ozone standard in Indiana. The Indiana Air Pollution Control Board has approved a permanent rule revision to incorporate these changes into 326 IAC 1-4-1. The permanent revision to 326 IAC 1-4-1 will take effect prior to the expiration of the emergency rule.
- (b) U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Dearborn County Lawrenceburg Township as nonattainment for PM_{2.5}. On March 7, 2005 the Indiana Attorney General's Office, on behalf of IDEM, filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate PM₁₀ emissions as a surrogate for PM_{2.5} emissions pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability for the source section.

- (c) Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) 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 NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. Dearborn County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.
- (d) Dearborn County (Lawrenceburg Township) has been classified as attainment or unclassifiable for all remaining criteria pollutants.

Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, pursuant to which the source has to meet the following:

- (a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.
- (b) Monitoring and related record keeping requirements which assure that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Federal Rule Applicability

- (a) The requirements of 40 CFR Part 64, Compliance Assurance Monitoring, apply to a pollutant-specific emissions unit (PSEU), as defined in 40 CFR 64.1, at a major source that is required to obtain a Part 70 or 71 permit if the PSEU meets the following criteria:
 - (1) the unit is subject to an emission limitation or standard for an applicable regulated air pollutant,
 - (2) the unit uses a control device as defined in 40 CFR 64.1 to comply with that emission limitation or standard, and
 - (3) the unit has a potential to emit (PTE) before controls equal to or greater than 100 percent of the amount (tons per year) of the pollutant required for a source to classified as a Part 70 major source.

This source was issued initial Part 70 permit no. T029-6043-00007, on December 29, 1999. The Glass Furnace # 2 as PSEU has uncontrolled PTE at greater than 100 percent of the applicable major Part 70 threshold and it also has an emissions limitation for PM₁₀, SO₂, and NO_x. However, glass furnace # 2 does not use a control device to comply with the emission limitation. Therefore Compliance Assurance Monitoring (CAM) is not applicable to glass furnace # 2.

Though there are baghouses to control the PM/PM₁₀ emissions from raw material batch storage process, raw material batch weighing and mixing process, raw material silos and underground conveyor the uncontrolled PTE emission from each of these units are less than 100 tons per year. Therefore Compliance Assurance Monitoring (CAM) is not applicable to the raw material batch storage process, raw material batch weighing and mixing process, the raw material silos and the underground conveyor.

Therefore, the requirements of 40 CFR Part 64, Compliance Assurance Monitoring, are not applicable to this Part 70 Permit Renewal.

- (b) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) incorporated into this permit.

The requirement of the New Source Performance Standard, 326 IAC 12 (40 CFR 60.290, Subpart CC, Standards of Performance for Municipal Solid Waste Landfills), is not included in this permit for the furnace #2, due to date of construction. The furnace #2 was constructed prior to June 15, 1979, the applicability date of this rule.

- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP)(326 IAC 14, 20 and 40 CFR Part 61, 63) incorporated into this permit.

The requirements of the National Emission Standards for Hazardous Air Pollutants: Parts washer Operation, (326 IAC 20, 40 CFR 63, Subpart T), is not included in this permit for the degreaser operation. The solvent used in the degreasing operation does not contain any of the following halogenated solvents in concentrations greater than five percent by weight: methylene chloride, 1,1,1-trichloroethane, trichloroethylene, perchloroethylene, carbon tetrachloride, or chloroform

The requirement of the National Emission Standards for Hazardous Air Pollutants: Inorganic Arsenic Emissions from Glass Manufacturing Plants (40 CFR 61.160, Subpart N), is not included in this permit for the furnace #2 because arsenic compounds are not used as raw materials in the furnace.

State Rule Applicability – Entire Source

326 IAC 1-5-2 (Emergency Reduction Plans)

The source has submitted an Emergency Reduction Plan (ERP) on June 3, 1996. The ERP has been verified to fulfill the requirements of 326 IAC 1-5-2 (Emergency Reduction Plans).

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

This existing source is a major stationary source under 326 IAC 2-2 (PSD) with potential to emit SO₂, and NO_x greater than 250 tons per year. The source has always been major for PSD ever since it was constructed in 1951 which was prior to the PSD applicability date of August 7, 1977. Since 1977, there has not been any modification to this source. This source is not subject to the requirements of 326 IAC 2-2 (PSD).

326 IAC 2-3 Emission Offset

Dearborn County (Lawrenceburg Township) has been designated as nonattainment for PM 2.5 in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled "Implementation of New Source Review Requirements in PM2.5 Nonattainment Areas" authored by Steve Page, Director of OAQPS, until EPA promulgates the PM2.5 major NSR regulations, states should assume that a major stationary source's PM10 emissions represent PM2.5 emissions. IDEM will use the PM10 nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM2.5 NAAQS. A major source in a nonattainment area is a source that emits or has the potential to emit one hundred (100) tons per year of any nonattainment regulated pollutant. Anchor Glass Container Corporation is a major source and has a potential to emit of PM10 less than one hundred (100) tons per year. Therefore, assuming that PM10 emissions represent PM2.5 emissions, 326 IAC 2-3 does not apply for PM2.5.

326 IAC 2-3 Emission Offset

This source was constructed in 1951 and located in Dearborn County. Effective June 15, 2004, Dearborn County has become basic non-attainment area for Ozone. Volatile organic compounds (VOC) and nitrogen oxides (NO_x) are precursors for the formation of ozone. The source has potential to emit NO_x greater than 100 tons per year. Therefore, the source is major for Emission Offset.

326 IAC 2-6 (Emission Reporting)

Since this source is required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program, this source is subject to 326 IAC 2-6 (Emission Reporting). The source also has potential to emit greater than or equal to 250 tons per year of NO_x; therefore, an emission statement covering the previous calendar year must be submitted by July 1 annually. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 5-1 (Opacity Limitations)

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

326 IAC 2-4.1-1 (New Source Toxics Control)

Pursuant to 326 IAC 2-4.1 (New Source Toxics Control), any new process or production unit, which in and of itself emits or has the potential to emit (PTE) 10 tons per year of any HAP or 25 tons per year of any combination of HAPs, must be controlled using technologies consistent with Maximum Achievable Control Technology (MACT). All current operations at this plant were constructed before the rule applicability date of July 27, 1997. Therefore, these facilities are not subject to the requirements of 326 IAC 2-4.1-1.

326 IAC 6.5-1-2 (Particulate Emission Limitations)

Pursuant to 326 IAC 6.5-1-2 (Applicability), specifically listed sources or facilities, or sources or facilities not specifically listed but located in a listed county and having either a potential to emit (PTE) one hundred (100) tons per year (tpy) or more or actual emissions of ten (10) tpy or more of particulate matter (PM), are subject to the applicable limitation(s) of this rule.

This source is located in Dearborn County and listed in 326 IAC 6.5-3-2. This notwithstanding, since potential PM emissions from the source are greater than 10 tons per year, the requirements of 326 IAC 6.5-1-2 are applicable as discussed below:

(a) Raw Materials Batch Storage and Conveying Process

Pursuant to 326 IAC 6.5-1-2(a), particulate matter (PM) emissions from the raw materials batch storage and conveying process shall be limited to three-hundredths (0.03) grain per dry standard cubic foot (gr/dscf) of exhaust air.

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

(b) Raw Materials Batch Weighing and Mixing Process

Pursuant to 326 IAC 6.5-1-2(a), particulate matter (PM) emissions from the raw materials batch weighing and mixing process shall be limited to three-hundredths (0.03) grain per dry standard cubic foot (gr/dscf) of exhaust air.

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

(c) Raw Materials Batch Silo

Pursuant to 326 IAC 6.5-1-2(a), particulate matter (PM) emissions from the raw materials batch silo shall be limited to three-hundredths (0.03) grain per dry standard cubic foot (gr/dscf) of exhaust air.

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

(d) Underground Conveyor

Pursuant to 326 IAC 6.5-1-2(a), particulate matter (PM) emissions from underground conveyor shall be limited to three-hundredths (0.03) grain per dry standard cubic foot (gr/dscf) of exhaust air.

The baghouses ST3 shall be in operation and control emissions from the batch storage process at all times that the batch storage process is in operation, in order to comply with this limit.

(e) Cullet Crushing Operations, Mold Swabbing Operations, Hot End Treatment Process, Mold Shop Operations, Cardboard Baler, and Welding Operations

Pursuant to 326 IAC 6.5-1-2(a), particulate matter (PM) emissions from these insignificant activities shall be limited to three-hundredths (0.03) grain per dry standard cubic foot (gr/dscf) of exhaust air.

State Rule Applicability – Individual Facilities

State Rule Applicability - Furnace #2, constructed in 1959

326 IAC 6.5-3 (Nonattainment Area Particulate Limitations)

Furnace #2 is a specifically regulated facility in 326 IAC 6.5-3. The particulate matter (PM) from the glass furnace #2 shall not exceed 1.0 pound per ton and 42.8 tons per year. In order to comply with the limit of 42.8 tons per year, the throughput to furnace #2 shall not exceed 85,593 tons per 12 consecutive month period (See page 2 of 6 of TSD Appendix A for calculations).

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The furnace #2 is subject to this rule because the potential to emit SO₂ is greater than 25 tons per year or 10 pounds per hour. Pursuant to this rule, when combusting number 2 fuel oil, the SO₂ emissions from the furnace #2 shall not exceed 0.5 pound per million Btu of heat input. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a thirty (30) day rolling weighted average. Also, shall comply with SO₂ emission limits under 326 IAC 7-4.

326 IAC 7-4 (Sulfur Dioxide Emission Limitations)

Pursuant to 326 IAC 7-4-13(Dearborn County sulfur dioxide emission limitations) , when combusting No. 6 fuel oil, the SO₂ emissions from the combustion of fuel oil in Furnace #2 shall not exceed 1.4 pounds per million Btu of heat input.

326 IAC 7-2-1 (Sulfur Dioxide Compliance Reporting)

Pursuant to this rule, a quarterly report shall be submitted including the average sulfur content, heat content, the sulfur dioxide emission rate in pounds per million Btu, and the fuel oil consumptions. Fuel sampling and analysis data shall be collected pursuant to the procedures specified in 326 IAC 3-7-4 for oil combustion.

326 IAC 8-1-6 (Best Available Control Technology (BACT))

Furnace #2 is not subject to the requirements of 326 IAC 8-1-6 (BACT) because it was constructed prior to 1980. There are no other 326 IAC 8 rules that apply.

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

The manufacturing processes at this source are subject to the requirements of 326 IAC 6.5-1-2, as discussed above. Since PM emissions from emission units are subject to the requirements of 326 IAC 6.5-1 (Formerly 326 IAC 6-1 (Nonattainment Area Particulate Limitations)), and 326 IAC 6-1 remains in effect under 40 CFR 52, Subpart P, the emission units are exempt from the requirements of 326 IAC 6-3-2, pursuant to 326 IAC 6-3-1 (c)(3).

State Rule Applicability – Parts Washing Station

326 IAC 8-3-2 (Cold Cleaner Operations)

The Parts Washing Station is subject to this rule because it was constructed after July 1, 1990. Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the owner or operator of the cold cleaning facility shall:

- (a) equip the cleaner with a cover;
- (b) equip the cleaner with a facility for draining cleaned parts;
- (c) close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) provide a permanent, conspicuous label summarizing the operation requirements;
- (f) store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

326 IAC 8-3-5 (Cold Cleaner Operations)

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:
 - (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38^oC) (one hundred degrees Fahrenheit (100^oF));

- (B) The solvent is agitated; or
 - (C) The solvent is heated.
- (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38^oC) (one hundred degrees Fahrenheit (100^oF)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
 - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38^oC) (one hundred degrees Fahrenheit (100^oF)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^oC) (one hundred twenty degrees Fahrenheit (120^oF)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less 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 requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also 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 monitoring requirements applicable to this source are as follows:

- (1) The furnace #2 has applicable compliance monitoring conditions as specified below:
 - (a) A quarterly report shall be submitted including the average sulfur content, heat content, the sulfur dioxide emission rate in pounds per million Btu, and the fuel oil consumptions. Fuel sampling and analysis data shall be collected pursuant to the procedures specified in 326 IAC 3-7-4 for oil combustion.
 - (b) Daily visible emission notations of the furnace #2 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.
 - (c) 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.
 - (d) 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.
 - (e) 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.
 - (f) 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.
 - (g) Records shall be kept of the monthly throughput to the furnace and a quarterly report shall be submitted using the forms included with the permit.
- (2) The raw materials batch storage process has applicable compliance monitoring conditions as specified below:

- (a) Daily visible emission notations of the baghouses ST6, ST7, ST8, and ST9 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) 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.

- (f) In the event that bag failure has been observed:
 - (1) 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).
 - (2) 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).
- (g) 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.

- (h) The permittee shall maintain the records of daily visible emission notations of the baghouse exhausts.
- (3) The raw materials batch weighing and mixing process has applicable compliance monitoring conditions as specified below:
- (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) 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.

- (f) In the event that bag failure has been observed:
 - (1) 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).
 - (2) 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).

- (g) 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.
 - (h) The permittee shall maintain the records of daily visible emission notations of the baghouse exhausts.
- (4) The raw materials batch silo has applicable compliance monitoring conditions as specified below:
- (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) 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 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.

- (f) In the event that bag failure has been observed:
 - (1) 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).

- (2) 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).
- (g) 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.
- (h) The permittee shall maintain the records of daily visible emission notations of the baghouse exhausts.
- (5) The underground conveyor has applicable compliance monitoring conditions as specified below:
 - (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) 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 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.
 - (f) In the event that bag failure has been observed:

- (1) 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).
- (2) 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).
- (g) 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.
- (h) The permittee shall maintain the records of daily visible emission notations of the baghouse exhausts.

These monitoring conditions are required to ensure compliance with 326 IAC 6.5-3 and 326 IAC 2-7.

Conclusion

The operation of this glass container manufacturing plant shall be subject to the conditions of the attached proposed Part 70 Permit No.T029-18871-00007.

Appendix A: Emission Calculations

Company Name: Anchor Glass Container Corporation
Address City IN Zip: 200 West Belleview Drive, Lawrenceburg, Indiana 47025
Permit No: T029-18871-00007
Reviewer: Surya Ramaswamy/EVP
Date: 1/20/2006

Uncontrolled Potential Emissions (tons/year)						
Emissions Generating Activity						
Pollutant	Glass Furnance #2	Raw Material Batch Storage process	Raw Material Batch Weighing and Mixing Process	Raw Material Batch Silo Process	Raw Material Underground Conveyor Process	TOTAL
PM	37.69	57.85	57.85	57.85	57.85	269.09
PM10	37.69	57.85	57.85	57.85	57.85	269.09
SO2	217.18	0.00	0.00	0.00	0.00	217.18
NOx	396.03	0.00	0.00	0.00	0.00	396.03
VOC	12.78	0.00	0.00	0.00	0.00	12.78
CO	12.78	0.00	0.00	0.00	0.00	12.78
total HAPs	0.00	0.00	0.00	0.00	0.00	0.00
worst case single HAP	0.00	0.00	0.00	0.00	0.00	0.00
Total emissions based on rated capacity at 8,760 hours/year.						
Controlled Potential Emissions (tons/year)						
Emissions Generating Activity						
Pollutant	Glass Furnance #2	Raw Material Batch Storage process	Raw Material Batch Weighing and Mixing Process	Raw Material Batch Silo Process	Raw Material Underground Conveyor Process	TOTAL
PM	37.69	0.58	0.58	0.58	0.58	40.01
PM10	37.69	0.58	0.58	0.58	0.58	40.01
SO2	217.18	0.00	0.00	0.00	0.00	217.18
NOx	396.03	0.00	0.00	0.00	0.00	396.03
VOC	12.78	0.00	0.00	0.00	0.00	12.78
CO	12.78	0.00	0.00	0.00	0.00	12.78
total HAPs	0.00	0.00	0.00	0.00	0.00	0.00
worst case single HAP	0.00	0.00	0.00	0.00	0.00	0.00
Total emissions based on rated capacity at 8,760 hours/year, after control.						

**Appendix A: Emission Calculations
Glas Furnace # 2**

Company Name: Anchor Glass container Corporation
 Address City IN Zip: 200 West Belleview Drive, Lawrenceburg, Indiana 47025
 Part 70 Permit: T029-18871-00007
 Reviewer: Surya Ramaswamy/EVP
 Date: 1/20/2006

Emissions from Glass Furnace # 2

Capacity (tons / day)	350.00
rate (tons glass / hr)	14.58

Pollutant	Ef (lb/ ton produced)	Ebc (ton/yr)	Eac (ton/yr)	Type of control	Control Efficiency (%)
PM	0.59	37.69	37.69	none	
PM ₁₀	0.59	37.69	37.69		
SO ₂	3.40	217.18	217.18		
NO _x	6.20	396.03	396.03		
VOC	0.20	12.78	12.78		
CO	0.20	12.78	12.78		

Notes:

SCC# 3-05-014-02

Ef = Emission Factors;

Ebc = Emissions Before Controls = Rate (units/hr) x Ef(lbs/unit) x 8760 hrs/yr / 2000 lbs/hr

Eac = Emissions After Controls = (1-efficiency/100) x Ebc

Emission factors are taken from AP-42 Ch. 11.15

Emission factors for PM/PM10 is based on stack testing performed on Furnace #2.

Compliance Calculations

Allowable Emissions:

The following calculations determine PM compliance with 326 IAC 6-3-2 for process weight rates less than 30 tons per hour:

$$P = 14.58 \text{ tons/hr}$$

$$\text{Limit: } E = (4.1 * 14.58^{0.67}) = 24.69 \text{ lb/hr (allowable)}$$

$$\text{with potential: } 37.69 \text{ tons/yr} \times 2000 \text{ lb/ton} / 8760 \text{ hr/yr} = 8.60 \text{ lb/hr (will comply)}$$

Emissions Limitation based on 326 IAC 6-1-8-1(e)

Capacity (tons / day)	234.50
rate (tons glass / hr)	9.77

Pollutant	Ef (lb/ ton produced)	Ebc (ton/yr)	Eac (ton/yr)	Type of control	Control Efficiency (%)
PM	1.00	42.80	42.80	none	
PM ₁₀	1.00	42.80	42.80		

Maximum Capacity (tons/year)	85,593
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**Appendix A: Emission Calculations
Batch Handling**

**Company Name: Anchor Glass container Corporation
Address City IN Zip: 200 West Belleview Drive, Lawrenceburg, Indiana 47025
Part 70 Permit: T029-18871-00007
Reviewer: Surya Ramaswamy/EVP
Date: 1/20/2006**

Emissions from Raw Material Batch Storage Process

Capacity (tons / day) 1000.00
Rate (tons glass / hr) 41.67

Pollutant	Ef (lb/ ton produced)	Ebc (ton/yr)	Eac (ton/yr)	Type of control	Control Efficiency (%)
PM	0.317	57.85	0.58	Baghouse	0.99
PM-10	0.317	57.85	0.58	Baghouse	0.99
SO2	0.000	0.00	0.00		
NOx	0.000	0.00	0.00		
VOC	0.000	0.00	0.00		
CO	0.000	0.00	0.00		

Notes:

Ef = Emission Factors;
Ebc = Emissions Before Controls
Eac = Emissions After Controls
Emission factors are taken from AP-42 Ch. 8.19.1-1

Compliance Calculations

Allowable Emissions:					
The following calculations determine PM compliance with 326 IAC 6-3-2 for process weight rates greater than 30 tons per hour:					
P=	41.67 tons/hr				
Limit : E =	55*(41.67 ^0.11) - 40	=	42.90 lb/hr (allowable)
Potential Emission:					
57.85 tons/yr x	2000 lb/ton /		8760 hr/yr =		13.21 lb/hr (will comply)

**Appendix A: Emission Calculations
Batch Handling**

Company Name: Anchor Glass container Corporation
Address City IN Zip: 200 West Belleview Drive, Lawrenceburg, Indiana 47025
Part 70 Permit: T029-18871-00007
Reviewer: Surya Ramaswamy/EVP
Date: 1/20/2006

Emissions from Raw Material Batch Weighing and Mixing Process

Capacity (tons / day) 1000.00
Rate (tons glass / hr) 41.67

Pollutant	Ef (lb/ ton produced)	Ebc (ton/yr)	Eac (ton/yr)	Type of control	Control Efficiency (%)
PM	0.317	57.85	0.58	Baghouse	0.99
PM-10	0.317	57.85	0.58	Baghouse	0.99
SO2	0.000	0.00	0.00		
NOx	0.000	0.00	0.00		
VOC	0.000	0.00	0.00		
CO	0.000	0.00	0.00		

Notes:

Ef = Emission Factors;

Ebc = Emissions Before Controls

Eac = Emissions After Controls

Emission factors are taken from AP-42 Ch. 8.19.1-1

Compliance Calculations

Allowable Emissions:

The following calculations determine PM compliance with 326 IAC 6-3-2 for process weight rates greater than 30 tons per hour:

$$P = 41.67 \text{ tons/hr}$$

$$\text{Limit : } E = 55 * (41.67^{0.11}) - 40 = 42.90 \text{ lb/hr (allowable)}$$

$$\text{Potential Emission: } 57.85 \text{ tons/yr} \times 2000 \text{ lb/ton} / 8760 \text{ hr/yr} = 13.21 \text{ lb/hr (will comply)}$$

**Appendix A: Emission Calculations
Batch Handling**

Company Name: Anchor Glass container Corporation
Address City IN Zip: 200 West Belleview Drive, Lawrenceburg, Indiana 47025
Part 70 Permit: T029-18871-00007
Reviewer: Surya Ramaswamy/EVP
Date: 1/20/2006

Emissions from Raw Material Batch Silo Process

Capacity (tons / day) 1000.00
Rate (tons glass / hr) 41.67

Pollutant	Ef (lb/ ton produced)	Ebc (ton/yr)	Eac (ton/yr)	Type of control	Control Efficiency (%)
PM	0.317	57.85	0.58	Baghouse	0.99
PM-10	0.317	57.85	0.58	Baghouse	0.99
SO2	0.000	0.00	0.00		
NOx	0.000	0.00	0.00		
VOC	0.000	0.00	0.00		
CO	0.000	0.00	0.00		

Notes:

Ef = Emission Factors;
Ebc = Emissions Before Controls
Eac = Emissions After Controls
 Emission factors are taken from AP-42 Ch. 8.19.1-1

Compliance Calculations

Allowable Emissions:					
The following calculations determine PM compliance with 326 IAC 6-3-2 for process weight rates greater than 30 tons per hour:					
P=	41.67 tons/hr				
Limit : E =	55*(41.67 ^0.11) - 40	=	42.90 lb/hr (allowable)
Potential Emission:					
57.85 tons/yr x	2000 lb/ton /		8760 hr/yr =		13.21 lb/hr (will comply)

