



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: July 9, 2007
RE: Saint - Gobain Containers, LLC / 075-17108-00004
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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100 North Senate Avenue
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www.IN.gov/idem

PART 70 OPERATING PERMIT RENEWAL OFFICE OF AIR QUALITY

**Saint-Gobain Containers
524 East Center Street
Dunkirk, Indiana 47336**

(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.: T075-17108-00004	
Issued by/Original Signed By: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: July 9, 2007 Expiration Date: July 9, 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 a stationary glass container manufacturing plant.

Source Address:	524 East Center Street, Dunkirk, Indiana 47336
Mailing Address:	P. O. Box 4200, 1509 South Macedonia Avenue, Muncie, Indiana 47307-4200
General Source Phone Number:	(765) 768-7891
SIC Code:	3221
County Location:	Jay
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD; Minor Source, Section 112 of the Clean Air Act Not in 1 of 28 Source Categories

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

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

- (a) One (1) oxy-fuel glass melting furnace (identified as Furnace No. 1), with a maximum throughput capacity of 500 tons of glass per day and a maximum heat input capacity of 80 MMBtu per hour, and exhausting at stack No. 1. This unit was constructed in 1993.
- (b) One (1) oxy-fuel glass melting furnace (identified as Furnace No. 2), with a maximum capacity of 550 tons of glass per day and a maximum heat input capacity of 84.8 MMBtu per hour, and exhausting at stack No. 2. This unit was constructed in 1998.
- (c) One (1) grinding operation, installed in 1994, located in the mold shop, controlled by a dust collector (identified as wheelabrator), and exhausting outside.
- (d) One (1) sandblaster, installed in 2001, located in the mold shop, with a maximum throughput rate of 400 pounds per hour, controlled by a dust collector (identified as Empire), and exhausting outside.
- (e) One (1) machine repair shop, installed in 1985, with a maximum throughput rate of 2,347 pounds per hour, controlled by a dust collector (identified as CM), and exhausting outside.
- (f) One (1) sandblaster, installed in 2006, located in the mold shop, controlled by a dust collector (identified as Econoline), and exhausting outside.

A.3 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) One (1) hot end treatment facility, consisting of five (5) individual treatment locations (identified as shops 11, 12, 13, 14, and 15), servicing melting furnace No. 1, and having a maximum throughput capacity of 0.90 pounds per hour and exhausting through building ventilation system. This unit was constructed in 1993. [326 IAC 6-3]

- (b) One (1) hot end treatment facility, consisting of three (3) individual treatment locations (identified as shops 21, 22, and 23), servicing melting furnace No. 2, and having a maximum throughput capacity of 0.90 pounds per hour and exhausting through building ventilation system. This unit was constructed in 1993. [326 IAC 6-3]
- (c) One (1) batch handling facility servicing melting furnace No. 1, with a maximum capacity of 22.5 tons of raw material per hour, venting inside the building. This unit was constructed in 1993. [326 IAC 6-3]
- (d) One (1) batch handling facility servicing melting furnace No. 2, with a maximum capacity of 24.8 tons of raw material per hour, venting inside the building. This unit was constructed in 1993. [326 IAC 6-3]
- (e) One (1) sand handling process consisting of one (1) raw material storage bin, with a maximum throughput rate of 560 pounds of Melite per hour, controlled by one (1) dust collector, and venting inside the building. The raw material is transferred to the storage bin using an existing pneumatic conveyance system. This process was constructed in 1998. [326 IAC 6-3]
- (f) One (1) mold swabbing facility consisting of five (5) individual treatment locations (identified as shops 11, 12, 13, 14, and 15), servicing melting furnace No. 1, and having a maximum combined capacity of 3.33 pounds of swabbing material per hour and exhausting through building ventilation system. This unit was constructed in 1993.
- (g) One (1) mold swabbing facility consisting of three (3) individual treatment locations (identified as shops 21, 22, and 23), servicing melting furnace No. 2, and having a maximum combined capacity of 3.80 pounds of swabbing material per hour and exhausting through building ventilation system. This unit was constructed in 1993.
- (h) Three (3) No. 2 fuel fired emergency generators, not exceeding 1,600 horsepower (HP) (Generator 1: 1180 HP; Generator 2: 1046 HP; and Generator 3: 241 HP). [326 IAC 2-7-21(G)(xxii)(BB)]
- (i) Natural gas-fired space heaters with a maximum heat input capacity equal to or less than 10 MMBtu per hour. [326 IAC 2-7-21(G)(i)(AA)(aa)]
- (j) Fuel dispensing activities, including one (1) 250 gallon gasoline tank, one (1) 250 gallon diesel tank, and one (1) 550 gallon kerosene tank. [326 IAC 2-7-21(G)(ii)(AA) and (BB)]
- (k) Stationary fire pump engines. [326 IAC 2-7-21(G)(xxii)(CC)]

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, T075-17108-00004, 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) A 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.

The submittal by the Permittee does require 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) The Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) for the source as described in 326 IAC 1-6-2. At a minimum, the PMPs shall include:
 - (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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require 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 T075-17108-0004 and issued pursuant to permitting programs approved into the state implementation plan have been either
 - (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

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

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

B.15 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
MC 61-52 IGCN 1003
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 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
MC 61-53 IGCN 1003

Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified 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
MC 61-53 IGCN 1003
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
MC 61-53 IGCN 1003
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 emissions 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 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]

- (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.

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
MC 61-53 IGCN 1003
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 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 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 forty percent (40%) 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.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

C.4 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.5 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).

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

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

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

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

- (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
- (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification 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.8 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
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require 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.9 Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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
MC 61-53 IGCN 1003
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.11 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

- (a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous opacity monitoring systems (COMS) and related equipment. For a boiler, the COMS shall be in operation at all times that the induced draft fan is in operation.

- (b) All COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.
- (c) In the event that a breakdown of a COMS occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (d) Whenever a COMS is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more and a backup COMS is not online within twenty-four (24) hours of shutdown or malfunction of the primary COMS, the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.
 - (1) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.
 - (2) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.
 - (3) Method 9 readings may be discontinued once a COMS is online.
 - (4) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.
- (e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5 and 40 CFR 60 Subpart CC.

C.12 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.

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

C.13 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.
- (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.14 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.15 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.16 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.17 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(b)(2), starting in 2008 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
 - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (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
MC 61-50 IGCN 1003
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.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2]

- (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 "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-3(ll) at an existing emissions unit or at a source with Plant-wide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z) and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-3(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/or 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/or 326 IAC 2-3-1(mm)(2)(A)(iii); 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.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2]

- (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
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) 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/or 326 IAC 2-3-1(II) 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/or 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 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/or 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Stratospheric Ozone Protection

C.20 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)]:

- (a) One (1) oxy-fuel glass melting furnace (identified as Furnace No. 1), with a maximum throughput capacity of 500 tons of glass per day and a maximum heat input capacity of 80 MMBtu per hour, and exhausting at stack No. 1. This unit was constructed in 1993.
- (b) One (1) oxy-fuel glass melting furnace (identified as Furnace No. 2), with a maximum capacity of 550 tons of glass per day and a maximum heat input capacity of 84.8 MMBtu per hour, and exhausting at stack No. 2. This unit was constructed in 1998.

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

Emission Limitations and Standards

D.1.1 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the two (2) oxy-fuel glass melting furnaces (identified as furnace No. 1 and 2) as described in this section except when otherwise specified in 40 CFR Part 60, Subpart CC.

D.1.2 Particulate [40 CFR 60.293, Subpart CC] [326 IAC 12]

Pursuant to 40 CFR 60.293, Subpart CC- Standards of Performance for Glass Manufacturing Plants, the particulate matter emissions from the two (2) oxy-fuel glass melting furnaces (identified as furnace No. 1 and 2) shall each not exceed 0.5 grams of particulate per kilogram (1.0 pound per ton) of glass produced for container glass, flat glass, and pressed and blown glass with soda-lime recipe melting furnaces.

D.1.3 Opacity [40 CFR 60.293, Subpart CC] [326 IAC 12]

Pursuant to 40 CFR 60.293, Subpart CC- Standards of Performance for Glass Manufacturing, the opacity from the two (2) oxy-fuel glass melting furnaces (identified as furnace No. 1 and furnace No. 2) shall not exceed the opacity value corresponding to the 99 percent upper confidence level of a normal distribution of average opacity values based on the 6-minute opacity averages.

D.1.4 Particulate [326 IAC 6-3]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emissions from the two (2) oxy-fuel glass melting furnaces (identified as furnace No. 1 and 2) shall not exceed 31.4 and 33.4 pounds per hour when operating at a process weight rate of 41,667 and 45, 834 pounds per hour, respectively.

The pounds per hour limitations were calculated with the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

D.1.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities.

Compliance Determination Requirements

D.1.6 Testing Requirements [326 IAC 2-7-6(1).(6)] [326 IAC 2-1.1-11]

Within 36 months after issuance of this Part 70 permit, in order to demonstrate compliance with Condition D.1.2, the Permittee shall perform PM testing for the two (2) oxy-fuel glass melting

furnaces (identified as furnace No. 1 and No. 2) utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this 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.1.7 Continuous Monitoring of Emissions [326 IAC 3-5][40 CFR 60.293, Subpart CC]

The Permittee shall calibrate, maintain, and operate a continuous monitoring system (COM) for the measurement of the opacity of emissions discharged into the atmosphere from the two (2) oxy-fuel glass melting furnaces (identified as furnace No. 1 and 2). The continuous monitoring system must also meet the requirements of 326 IAC 3-5 (Continuous Monitoring of Emissions).

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

D.1.8 Record Keeping Requirements

- (a) To document compliance with Condition D.1.8, the Permittee shall maintain a file of all measurements, all continuous monitoring system evaluations, calibration checks, adjustments, and maintenance performed on the system, and all other data collected by the COM, recorded in permanent form suitable for inspection. The file shall be retained for a period of five years following the date of such measurements, maintenance reports, and records.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.9 Reporting Requirements

To document compliance with Condition D.1.3, the Permittee shall report to IDEM, OAQ as excess emissions all of the 6-minute periods during which the average opacity, as measured by the COM exceeds the opacity value corresponding to the 99 percent upper confidence level.

SECTION D.2

FACILITY OPERATION CONDITIONS

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

- (a) One (1) hot end treatment facility, consisting of five (5) individual treatment locations (identified as shops 11, 12, 13, 14, and 15), servicing melting furnace No. 1, and having a maximum throughput capacity of 0.90 pounds per hour and exhausting through building ventilation system. [326 IAC 6-3]
- (b) One (1) hot end treatment facility consisting of three (3) individual treatment locations (identified as shops 21, 22, and 23), servicing melting furnace No. 2, and having a maximum throughput capacity of 0.90 pounds per hour and exhausting through building ventilation system. [326 IAC 6-3]
- (f) One (1) mold swabbing facility consisting of five (5) individual treatment locations (identified as shops 11, 12, 13, 14, and 15), servicing melting furnace No. 1, and having a maximum combined capacity of 3.33 pounds of swabbing material per hour and exhausting through building ventilation system.
- (g) One (1) mold swabbing facility consisting of three (3) individual treatment locations (identified as shops 21, 22, and 23), servicing melting furnace No. 2, and having a maximum combined capacity of 3.80 pounds of swabbing material per hour and exhausting through building ventilation system.
- (h) Three (3) No. 2 fuel fired emergency generators, not exceeding 1,600 horsepower (HP) (Generator 1: 1180 HP; Generator 2: 1046 HP; and Generator 3: 241 HP). [326 IAC 2-7-21(G)(xxii)(BB)]
- (i) Natural gas-fired space heaters with a maximum heat input capacity equal to or less than 10 MMBtu per hour. [326 IAC 2-7-21(G)(i)(AA)(aa)]
- (j) Fuel dispensing activities, including one (1) 250 gallon gasoline tank, one (1) 250 gallon diesel tank, and one (1) 550 gallon kerosene tank. [326 IAC 2-7-21(G)(ii)(AA) and (BB)]
- (k) Stationary fire pump engines. [326 IAC 2-7-21(G)(xxii)(CC)]

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

Emission Limitations and Standards

D.2.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), the particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) and which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. Therefore, each of the two (2) mold swabbing facilities and two (2) hot end treatment facilities shall not exceed 0.551 pounds per hour.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description: Insignificant Activities	
(c)	One (1) batch handling facility servicing melting furnace No. 1, with a maximum capacity of 22.5 tons of raw material per hour, venting inside the building. This unit was constructed in 1993. [326 IAC 6-3]
(d)	One (1) batch handling facility servicing melting furnace No. 2, with a maximum capacity of 24.8 tons of raw material per hour, venting inside the building. This unit was constructed in 1993. [326 IAC 6-3]
(e)	One (1) sand handling process consisting of one (1) raw material storage bin, with a maximum throughput rate of 560 pounds of Melite per hour, controlled by one (1) dust collector, and venting inside the building. The raw material is transferred to the storage bin using an existing pneumatic conveyance system. This process was constructed in 1998. [326 IAC 6-3]
(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)	

Emission Limitations and Standards

D.3.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(Particulate Emission Limitations for Manufacturing Processes), particulate emissions from the two (2) batching handling facilities, and one (1) raw storage bin shall not exceed the exceed the particulate emission limit as shown in the table below.

Emission Units	Process Weight		Particulate Emission Limit (lbs/hour)
	(lbs/hour)	(tons/hour)	
Batch handling facility servicing furnace No. 1	45,000	22.5	33.0
Batch handling facility servicing furnace No. 2	49,500	24.8	35.2
Sand handling used in conjunction with raw material storage bin	560	0.28	1.75

The pounds per hour limitation was calculated with the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour, and} \\ P = \text{process weight rate in tons per hour.}$$

D.3.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and one (1) dust collector controlling the raw storage bin.

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

D.3.3 Visible Emissions Notations

- (a) Visible emission notations of the two (2) batch handling facilities (servicing furnace No. 1 and 2) stack exhaust shall be performed once per day 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.

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

D.3.4 Record Keeping Requirements

- (a) To document compliance with Condition D.3.3, the Permittee shall maintain daily records of visible emission notations of the two (2) batch handling facilities (servicing furnace No. 1 and 2) stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).
- (b) 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)]:	
(c)	One (1) grinding operation, installed in 1994, located in the mold shop, controlled by a dust collector (identified as wheelabrator), and exhausting outside.
(d)	One (1) sandblaster, installed in 2001, located in the mold shop, with a maximum throughput rate of 400 pounds per hour, controlled by a dust collector (identified as Empire), and exhausting outside.
(e)	One (1) machine repair shop, installed in 1985, with a maximum throughput rate of 2,347 pounds per hour, controlled by a dust collector (identified as CM), and exhausting outside.
(f)	One (1) sandblaster, installed in 2006, located in the mold shop, controlled by a dust collector (identified as Econoline), and exhausting outside.
(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 PSD Minor Limit [326 IAC 2-2]

The source shall comply with the following limits:

Process/Emission Units	Year of Construction	PM (lbs/hour)	PM10 (lbs/hour)
Grinding Operation	1994	5.70	3.42
Machine Repair Shop	1985	5.70	Not applicable

Compliance with the above limits shall limit the potential to emit of PM and PM10 from the grinding operation to less than 25 and 15 tons per year, respectively, and will render the provisions of 326 IAC 2-2 (PSD) not applicable to the 1994 modification. Compliance with the above limit shall limit the potential to emit of PM from the machine repair shop to less than 25 tons per year, and will render 326 IAC 2-2 (PSD) not applicable to the 1985 modification.

D.4.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and control devices.

Compliance Determination Requirements

D.4.3 Particulate Control

- (a) In order to comply with Condition D.4.1, the dust collectors for particulate control shall be in operation and control emissions from the mold shop machine operations at all times that the mold shop machine facilities are in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

D.4.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Within 180 days of the issuance of this Part 70 permit (T075-17108-00004), in order to

demonstrate compliance with Condition D.4.1, the Permittee shall perform PM and PM10 testing for the grinding operation and the machine repair shop, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM10 includes filterable and condensable PM10. 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.4.5 Visible Emissions Notations

- (a) Daily visible emission notations of the dust collector's exhaust mold shop machine operations shall be performed during normal daylight operations. 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.4.6 Parametric Monitoring

The Permittee shall record the pressure drop across the dust collectors used in conjunction with the mold shop machine operations, at least once per day when the mold shop machine operations is in operation. When for any one reading, the pressure drop across the dust collector is outside the normal range of 3.0 and 6.0 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 and 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.

D.4.7 Broken or Failed Bag Detection

- (a) For a single compartment baghouses 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 have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in 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.

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

D.4.8 Record Keeping Requirements

- (a) To document compliance with Condition D.4.5, the Permittee shall maintain daily records of visible emission notations of the dust collector's exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).
- (b) To document compliance with Condition D.4.6, the Permittee shall maintain daily records of the pressure drop. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).
- (c) 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

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Saint-Gobain Containers
Source Address: 524 East Center Street, Dunkirk, Indiana 47336
Mailing Address: P. O. Box 4200, 1509 South Macedonia Avenue, Muncie, Indiana 47307-4200
Part 70 Permit No.: T075-17108-00004

**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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Saint-Gobain Containers
Source Address: 524 East Center Street, Dunkirk, Indiana 47336
Mailing Address: P. O. Box 4200, 1509 South Macedonia Avenue, Muncie, Indiana 47307-4200
Part 70 Permit No.: T075-17108-00004

This form consists of 2 pages

Page 1 of 2

- This is an emergency as defined in 326 IAC 2-7-1(12)
- 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); and
 - C 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 OPERATING PERMIT
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Saint-Gobain Containers
 Source Address: 524 East Center Street, Dunkirk, Indiana 47336
 Mailing Address: P. O. Box 4200, 1509 South Macedonia Avenue, Muncie, Indiana 47307-4200
 Part 70 Permit No.: T075-17108-00004

Months: _____ **to** _____ **Year:** _____

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".	
<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 Operating Permit Renewal

Source Background and Description

Source Name: Saint-Gobain Containers
Source Location: 524 East Center Street, Dunkirk, Indiana 47336
County: Jay
SIC Code: 3221
Operating Permit Renewal No.: T075-17108-00004
Permit Reviewer: ERG/SD

On September 20, 2006, the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) had a notice published in the Commercial Review, Portland, Indiana, stating that Saint-Gobain Containers had applied for a Part 70 Operating Permit (Title V) Renewal to continue to operate a stationary glass container manufacturing plant. The notice also stated that IDEM, OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed 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 permit should be issued as proposed.

On October 5, 2006 and June 14, 2007, Saint-Gobain Containers submitted comments on the proposed Title V permit renewal. The summary of the comments and responses are shown below. Deleted text is shown in ~~strikeout~~ and new text is shown in **bold**. The Table of Contents has been updated as necessary.

Comment 1:

The Permittee indicated their mailing address and phone number has changed from what was indicated in Section A.1 of the proposed permit.

Response to Comment 1:

Section A.1 was revised as shown. The mailing addresses on the forms at the end of the permit have also been corrected. In addition, IDEM, OAQ has decided to remove the information regarding the "Responsible Official" from Section A.1 of the permit. IDEM, OAQ does not deem it necessary to include this information in the permits since IDEM, OAQ maintains this information in their permit tracking system.

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 a stationary glass container manufacturing plant.

~~Responsible Official:~~ **Plant Manager**
Source Address: 524 East Center Street, Dunkirk, Indiana 47336
Mailing Address: ~~524 East Center Street, Dunkirk, Indiana 47336~~
**P.O. Box 4200, 1509 South Macedonia Avenue,
Muncie, Indiana 47307-4200**
General Source Phone Number: (765) 768-4273 **7891**
SIC Code: 3221
County Location: Jay
Source Location Status: Attainment for all criteria pollutants

Source Status: Part 70 Permit Program
 Major Source, under PSD;
 Minor Source, Section 112 of the Clean Air Act
 Not in 1 of 28 Source Categories

Comment 2:

The Permittee commented that the two (2) mold swabbing facilities currently listed under Section A.2 of the proposed permit are considered insignificant activities pursuant to 326 IAC 2-7-21(G)(xxvii) and 326 IAC 2-7-21(B) because this activity results in uncontrolled potential emissions of PM10 less than five (5) pounds per hour per facility. In addition, the mold release agents are low volatile products (i.e. vapor pressure less than or equal to two (2) kilo Pascals measured at 38 degrees Centigrade).

The Permittee also identified additional activities at the source as follows:

- (1) Three (3) No. 2 fuel fired emergency generators, not exceeding 1,600 horsepower (HP) (Generator 1: 1180 HP; Generator 2: 1046 HP; and Generator 3: 241 HP). [326 IAC 2-7-21(G)(xxii)(BB)]
- (2) Natural gas-fired space heaters with a maximum heat input capacity equal to or less than 10 MMBtu per hour. [326 IAC 2-7-21(G)(i)(AA)(aa)]
- (3) Fuel dispensing activities, including one (1) 250 gallon gasoline tank, one (1) 250 gallon diesel tank, and one (1) 550 gallon kerosene tank. [326 IAC 2-7-21(G)(ii)(AA) and (BB)]
- (4) Stationary fire pump engines. [326 IAC 2-7-21(G)(xxii)(CC)]
- (5) One (1) grinding operation, located in the outside mold shop, controlled by a dust collector (identified as wheelabrator), and exhausting outside. [326 IAC 6-3]
- (6) One (1) sandblaster, located in the outside mold shop, controlled by a dust collector (identified as Empire), and exhausting outside. [326 IAC 6-3]
- (7) One (1) machine repair shop, controlled by a dust collector (identified as CM), and exhausting outside. [326 IAC 6-3]
- (8) One (1) sandblaster, located in the inside mold shop, controlled by a dust collector (identified as Econoline), and exhausting inside the building. [326 IAC 6-3]
- (9) One (1) Laser Jet unit (identified as J-1), used for etching glass containers.

Response to Comment 2:

The grinding operation, sandblasters, and machine repair shop are not subject to the provisions of 326 IAC 6-3-2 (Particulate Matter Emissions Limitation for Manufacturing Processes) because these are not manufacturing processes but are utilized for maintenance activities only. The potential to emit of PM and PM10 from these activities is shown in the table below.

Process/Emission Units	Control ID	Airflow (acfm)	Outlet Grain Loading per Actual Cubic Foot	Control Efficiency (%)	PTE of PM and PM10 After Control (tons/year)	PTE of PM and PM10 Before Control (tons/year)
Grinding Operation	Wheelabrator	10,000	0.010	99%	3.75	375.4
Sand Blaster	Econoline	400	0.005	99%	0.15	7.51

Process/Emission Units	Control ID	Max. Throughput Rate (tons/year)	Emission Factor PM (lb/ton)	Emission Factor PM10 (lb/ton)	Before Controls		After Controls	
					PTE of PM (tons/year)	PTE of PM10 (tons/year)	PTE of PM (tons/year)	PTE of PM10 (tons/year)
Machine Repair Shop	CM	10,278	17	1.7	87.3	8.73	0.87	0.087
Sand Blaster	Empire	1,752	17	1.7	14.8	1.48	0.15	0.01

* Assume all PM emissions are equal to PM10.

This source is considered a major source under PSD because the potential SO₂ and NO_x emissions are greater than 250 tons per year. Limits were added to restrict PM and PM10 emissions to less than 25 and 15 tons per year from the grinding operation constructed in 1994 and limits were added to restrict PM emissions from the machine repair shop, constructed in 1985, as shown in the new Section D.4. A PSD minor limit is not required for PM10 from the machine repair shop, since PM10 was not a regulated pollutant under PSD until 1994. PM and PM10 emissions from the Laser Jet unit (J-1) are negligible. Therefore, this unit is not subject to 326 IAC 6-3 or any PSD minor limits under 326 IAC 2-2.

Sections A.2, D.1 and D.2 were revised and Section A.3 were updated as shown below.

No changes have been made to the TSD due to the new insignificant activities, because IDEM, OAQ prefers that the TSD reflect the permit that was on public notice. Changes to the permit that occur after the public notice are documented in this Addendum. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

**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) oxy-fuel glass melting furnace (identified as ~~furnace~~ **Furnace No. 1**), with a maximum throughput capacity of 500 tons of glass per day and a maximum heat input capacity of 80 MMBtu per hour, and exhausting at stack No. 1. This unit was constructed in 1993.
- (b) One (1) oxy-fuel glass melting furnace (identified as ~~furnace~~ **Furnace No. 2**), with a maximum capacity of 550 tons of glass per day and a maximum heat input capacity of 84.8 MMBtu per hour, and exhausting at stack No. 2. This unit was constructed in 1998.
- ~~(c) One (1) mold swabbing facility consisting of five (5) individual treatment locations (identified as shops 11, 12, 13, 14, and 15), servicing melting furnace No. 1, and having a maximum combined capacity of 3.33 pounds of swabbing material per hour and exhausting through building ventilation system. This unit was constructed in 1993.~~
- ~~(d) One (1) mold swabbing facility consisting of three (3) individual treatment locations (identified as shops 21, 22, and 23), servicing melting furnace No. 2, and having a maximum combined capacity of 3.80 pounds of swabbing material per hour and exhausting through building ventilation system. This unit was constructed in 1993.~~
- (c) **One (1) grinding operation, installed in 1994, located in the mold shop, controlled by a dust collector (identified as wheelabrator), and exhausting outside.**
- (d) **One (1) sandblaster, installed in 2001, located in the mold shop, with a maximum throughput rate of 400 pounds per hour, controlled by a dust collector (identified as Empire), and exhausting outside.**
- (e) **One (1) machine repair shop, installed in 1985, with a maximum throughput rate of 2,347 pounds per hour, controlled by a dust collector (identified as CM), and exhausting outside.**
- (f) **One (1) sandblaster, installed in 2006, located in the mold shop, controlled by a dust collector (identified as Econoline), and exhausting outside.**

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):

- ...
- (f) **One (1) mold swabbing facility consisting of five (5) individual treatment locations (identified as shops 11, 12, 13, 14, and 15), servicing melting furnace No. 1, and having a maximum combined capacity of 3.33 pounds of swabbing material per hour and exhausting through building ventilation system. This unit was constructed in 1993.**
 - (g) **One (1) mold swabbing facility consisting of three (3) individual treatment locations (identified as shops 21, 22, and 23), servicing melting furnace No. 2, and having a maximum combined capacity of 3.80 pounds of swabbing material per hour and exhausting through building ventilation system. This unit was constructed in 1993.**
 - (h) **Three (3) No. 2 fuel fired emergency generators, not exceeding 1,600 horsepower (HP) (Generator 1: 1180 HP; Generator 2: 1046 HP; and Generator 3: 241 HP). [326 IAC 2-7-21(G)(xxii)(BB)]**
 - (i) **Natural gas-fired space heaters with a maximum heat input capacity equal to or less than 10 MMBtu per hour. [326 IAC 2-7-21(G)(i)(AA)(aa)]**
 - (j) **Fuel dispensing activities, including one (1) 250 gallon gasoline tank, one (1) 250 gallon diesel tank, and one (1) 550 gallon kerosene tank. [326 IAC 2-7-21(G)(ii)(AA) and (BB)]**
 - (k) **Stationary fire pump engines. [326 IAC 2-7-21(G)(xxii)(CC)]**

SECTION D.1 FACILITY OPERATION CONDITIONS

<p>Facility Description [326 IAC 2-7-5(15)]:</p> <ul style="list-style-type: none">(a) One (1) oxy-fuel glass melting furnace (identified as furnace Furnace No. 1), with a maximum throughput capacity of 500 tons of glass per day and a maximum heat input capacity of 80 MMBtu per hour, and exhausting at stack No. 1. This unit was constructed in 1993.(b) One (1) oxy-fuel glass melting furnace (identified as furnace Furnace No. 2), with a maximum capacity of 550 tons of glass per day and a maximum heat input capacity of 84.8 MMBtu per hour, and exhausting at stack No. 2. This unit was constructed in 1998. <p>(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)</p>
--

SECTION D.2 FACILITY OPERATION CONDITIONS

<p>Facility Description [326 IAC 2-7-5(15)]:</p> <ul style="list-style-type: none">(c) One (1) mold swabbing facility consisting of five (5) individual treatment locations (identified as shops 11, 12, 13, 14, and 15), servicing melting furnace No. 1, and having a maximum combined capacity of 3.33 pounds of swabbing material per hour and exhausting through building ventilation system. This unit was constructed in 1993.(d) One (1) mold swabbing facility consisting of three (3) individual treatment locations (identified as shops 21, 22, and 23), servicing melting furnace No. 2, and having a maximum combined capacity of 3.80 pounds of swabbing material per hour and exhausting through building ventilation system. This unit was constructed in 1993.
--

Insignificant Activities

- (a) One (1) hot end treatment facility, consisting of five (5) individual treatment locations (identified as shops 11, 12, 13, 14, and 15), servicing melting furnace No. 1, and having a maximum throughput capacity of 0.90 pounds per hour and exhausting through building ventilation system. [326 IAC 6-3]
- (b) One (1) hot end treatment facility consisting of three (3) individual treatment locations (identified as shops 21, 22, and 23), servicing melting furnace No. 2, and having a maximum throughput capacity of 0.90 pounds per hour and exhausting through building ventilation system. [326 IAC 6-3]
- (f) **One (1) mold swabbing facility consisting of five (5) individual treatment locations (identified as shops 11, 12, 13, 14, and 15), servicing melting furnace No. 1, and having a maximum combined capacity of 3.33 pounds of swabbing material per hour and exhausting through building ventilation system.**
- (g) **One (1) mold swabbing facility consisting of three (3) individual treatment locations (identified as shops 21, 22, and 23), servicing melting furnace No. 2, and having a maximum combined capacity of 3.80 pounds of swabbing material per hour and exhausting through building ventilation system.**
- (h) **Three (3) No. 2 fuel fired emergency generators, not exceeding 1,600 horsepower (HP) (Generator 1: 1180 HP; Generator 2: 1046 HP; and Generator 3: 241 HP). [326 IAC 2-7-21(G)(xxii)(BB)]**
- (i) **Natural gas-fired space heaters with a maximum heat input capacity equal to or less than 10 MMBtu per hour. [326 IAC 2-7-21(G)(i)(AA)(aa)]**
- (j) **Fuel dispensing activities, including one (1) 250 gallon gasoline tank, one (1) 250 gallon diesel tank, and one (1) 550 gallon kerosene tank. [326 IAC 2-7-21(G)(ii)(AA) and (BB)]**
- (k) **Stationary fire pump engines. [326 IAC 2-7-21(G)(xxii)(CC)]**

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

Facility Description [326 IAC 2-7-5(15)]:	
(c)	One (1) grinding operation, installed in 1994, located in the mold shop, controlled by a dust collector (identified as wheelabrator), and exhausting outside.
(d)	One (1) sandblaster, installed in 2001, located in the mold shop, with a maximum throughput rate of 400 pounds per hour, controlled by a dust collector (identified as Empire), and exhausting outside.
(e)	One (1) machine repair shop, installed in 1985, with a maximum throughput rate of 2,347 pounds per hour, controlled by a dust collector (identified as CM), and exhausting outside.
(f)	One (1) sandblaster, installed in 2006, located in the mold shop, controlled by a dust collector (identified as Econoline), and exhausting outside.
(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 PSD Minor Limit [326 IAC 2-2]

The source shall comply with the following limits:

Process/Emission Units	Year of Construction	PM (lbs/hour)	PM10 (lbs/hour)
Grinding Operation	1994	5.70	3.42
Machine Repair Shop	1985	5.70	Not applicable

Compliance with the above limits shall limit the potential to emit of PM and PM10 from the grinding operation to less than 25 and 15 tons per year, respectively, and will render the provisions of 326 IAC 2-2 (PSD) not applicable to the 1994 modification. Compliance with the above limit shall limit the potential to emit of PM from the machine repair shop to less than 25 tons per year, and will render 326 IAC 2-2 (PSD) not applicable to the 1985 modification.

D.4.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and control devices.

Compliance Determination Requirements

D.4.3 Particulate Control

- (a) In order to comply with Condition D.4.1, the dust collectors for particulate control shall be in operation and control emissions from the mold shop machine operations at all times that the mold shop machine facilities are in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

D.4.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Within 180 days of the issuance of this Part 70 permit (T075-17108-00004), in order to demonstrate compliance with Condition D.4.1, the Permittee shall perform PM and PM10 testing for the grinding operation and the machine repair shop, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM10 includes filterable and condensable PM10. 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.4.5 Visible Emissions Notations

- (a) Daily visible emission notations of the dust collector's exhaust mold shop machine operations shall be performed during normal daylight operations. 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.4.6 Parametric Monitoring

The Permittee shall record the pressure drop across the dust collectors used in conjunction with the mold shop machine operations, at least once per day when the mold shop machine operations is in operation. When for any one reading, the pressure drop across the dust collector is outside the normal range of 3.0 and 6.0 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 and 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.

D.4.7 Broken or Failed Bag Detection

- (a) For a single compartment baghouses 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 have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in 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.

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

D.4.8 Record Keeping Requirements

- (a) To document compliance with Condition D.4.5, the Permittee shall maintain daily records of visible emission notations of the dust collector's exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).**
- (b) To document compliance with Condition D.4.6, the Permittee shall maintain daily records of the pressure drop. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).**
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.**

Comment 3:

The Permittee stated that it was unclear what was meant by a "backup" COMS in Condition C.11, and whether it was possible to use a trained reader rather than a certified reader when the COMS is down, because it would be less costly and less onerous for the plant. Condition C.11(d) states that a certified opacity reader must conduct Method 9 readings when the COMS are down. The Permittee believes it is excessive and costly for the few times that the COMS is down. A less onerous requirement would be to have a trained reader on hand to check the opacities.

Also, the Permittee commented on whether the NSPS quarterly COMS reports were required to be submitted in addition to the IDEM quarterly deviation and compliance monitoring reports, or could the IDEM report suffice for both purposes.

Response to Comment 3:

A backup COMS (Continuous Opacity Monitoring System) is a properly-functioning COMS that can be installed and used to replace a non-functioning COMS while it is down for maintenance or repair. The Permittee shall use a certified opacity reader as specified in Condition C.11. Such a reader is required in order to determine continuous compliance with Condition D.1.3. The normal or abnormal opacity observations from a trained, yet un-certified, opacity reader are insufficient to determine compliance with an opacity limit established under 40 CFR Part 60, Subpart CC. As a result, a certified opacity reader is required to make Method 9 readings while a COMS is inactive. The Permittee has not provided any information that indicates how the use of a certified opacity reader, as required by Condition C.11, is cost-prohibitive or economically burdensome. No changes were made to the permit as a result of this comment.

Comment 4:

The Permittee requested the requirement to record the daily visible emission notations for the batch handling facilities be changed from once per day to once per week. The Permittee believes that daily readings are costly and onerous and have limited environmental benefits.

Response to Comment 4:

IDEM, OAQ has determined that the requirements and the frequency (e.g. once per day monitoring of visible emission notations and monitoring of the control devices) is sufficient to ensure proper operation of the control devices at the source. Furthermore, the batch handling facilities at the source currently vent indoors. Therefore, the Permittee will record once per day visible emission notations only when exhausting to the atmosphere during normal daylight operations. No change was made as a result of this comment.

Comment 5:

The Permittee indicated that there is no annual compliance certification form attached with the proposed permit. The Permittee also asked whether the quarterly deviation and compliance monitoring report could be used as both the quarterly and the annual report.

Response to Comment 5:

Annual compliance certification forms are not included in the proposed permit because it is specific to each source. Details on how and when the annual report should be submitted and what it should contain are provided in Condition B.9(c) pursuant to the provisions of 326 IAC 2-7-6(5). The quarterly deviation and compliance monitoring report is a separate requirement (see Condition D.3.3 for additional information regarding this form). No changes were made as a result of this comment.

Comment 6:

The Permittee indicated that Condition D.1.4 is not needed since the source does not use Arsenic.

Response to Comment 6:

Condition D.1.4 was listed in Section D.1 of the permit to clarify that the requirements of 40 CFR 61.610, Subpart N are not applicable because the source does not utilize commercial Arsenic as defined in 40 CFR 61.161. This condition was previously listed in T075-6108-00004, issued November 11, 1998. Since the Permittee is not subject to the provisions of 40 CFR 61.610, Subpart N, Condition D.1.4 has been deleted as shown. Remaining conditions were renumbered accordingly.

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

~~Pursuant to T075-6108-00004, issued November 11, 1998, commercial Arsenic, as defined in 40 CFR 61.161, shall not be used as a raw material in the two (2) oxy-fuel glass melting furnaces (identified as furnace No. 1 and 2). Therefore, the requirements of 40 CFR 61.160, Subpart N (National Emission Standards for Inorganic Arsenic Emissions from Glass Manufacturing Plants) shall not apply to these two (2) furnaces.~~

Upon further review, IDEM, OAQ has decided to make the following revisions to the permit (bolded language has been added, the language with a line through it has been deleted). The Table of Contents has been updated as necessary.

1. Condition D.1.7 was revised to delete reference to D.1.7 as shown below and the testing time frame was revised to give the Permittee the flexibility to test within 36 months from the date of issuance of this permit:

Compliance Determination Requirements

~~D.1.7~~**D.1.6** Testing Requirements [326 IAC 2-7-6(1).(6)] [326 IAC 2-1.1-11]

~~During the period between 30 and~~ **Within** 36 months after issuance of this Part 70 permit, in order to demonstrate compliance with Condition D.1.2 ~~and D.1.7~~, the Permittee shall perform PM testing for the two (2) oxy-fuel glass melting furnaces (identified as furnace No. 1 and No. 2) utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

2. Conditions C.19 and C.19 - General Record Keeping and Reporting Requirements were updated to include the following:

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2]

- (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 “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-3(II) at an existing emissions unit or at a source with Plant-wide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z) and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-3(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/or 326 IAC 2-3-1(II) 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/or 326 IAC 2-3-1(mm)(2)(A)(iii); 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.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2]

...

- (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/or 326 IAC 2-3-1(II) 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/or 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 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/or 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

3. For clarification, Condition D.3.4 was updated as shown.

D.3.4 Record Keeping Requirements

- (a) To document compliance with Condition D.3.3, the Permittee shall maintain **daily** records of visible emission notations of the two (2) batch handling facilities (servicing furnace No. 1 and 2) stack exhaust ~~once per day~~. **The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).**

...

4. IDEM, OAQ has decided to add the specific mail codes for each address of the IDEM branches to improve mail delivery as shown:

Permits Branch: MC 61-53 IGCN 1003
Compliance Branch: MC 61-53 IGCN 1003
Compliance Data Section: MC 61-53 IGCN 1003
Air Compliance Section: MC 61-53 IGCN 1003
Asbestos Section: MC 61-52 IGCN 1003

Technical Support and Modeling: MC 61-50 IGCN 1003

**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:	Saint-Gobain Containers
Source Location:	524 East Center Street, Dunkirk, Indiana 47336
County:	Jay
SIC Code:	3221
Operation Permit No.:	T075-6108-00004
Issuance Date:	November 11, 1998
Operation Permit Renewal No.:	T075-17108-00004
Permit Reviewer:	ERG/SD

The Office of Air Quality (OAQ) has reviewed a Part 70 permit renewal application from Saint-Gobain Containers relating to the operation of a glass container manufacturing plant.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

- (a) One (1) oxy-fuel glass melting furnace (identified as furnace No. 1), with a maximum throughput capacity of 500 tons of glass per day and a maximum heat input capacity of 80 MMBtu per hour burning only oxygen-enriched natural gas, and exhausting at stack No. 1. This unit was constructed in 1993.
- (b) One (1) oxy-fuel glass melting furnace (identified as furnace No. 2), with a maximum capacity of 550 tons of glass per day and a maximum heat input capacity of 84.8 MMBtu per hour burning only oxygen-enriched natural gas, and exhausting at stack No. 2. This unit was constructed in 1998.
- (c) One (1) mold swabbing facility consisting of five (5) individual treatment locations (identified as shops 11, 12, 13, 14, and 15), servicing melting furnace No. 1, and having a maximum combined capacity of 3.33 pounds of swabbing material per hour and exhausting through building ventilation system. This unit was constructed in 1993.
- (d) One (1) mold swabbing facility consisting of three (3) individual treatment locations (identified as shops 21, 22, and 23), servicing melting furnace No. 2, and having a maximum combined capacity of 3.80 pounds of swabbing material per hour and exhausting through building ventilation system. This unit was constructed in 1993.

Unpermitted Emission Units and Pollution Control Equipment

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

Insignificant Activities

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

- (a) One (1) hot end treatment facility, consisting of five (5) individual treatment locations (identified as shops 11, 12, 13, 14, and 15), servicing melting furnace No. 1, and having a maximum throughput capacity of 0.90 pounds per hour and exhausting through building ventilation system. This unit was constructed in 1993. [326 IAC 6-3]
- (b) One (1) hot end treatment facility, consisting of three (3) individual treatment locations (identified as shops 21, 22, and 23), servicing melting furnace No. 2, and having a maximum throughput capacity of 0.90 pounds per hour and exhausting through building ventilation system. This unit was constructed in 1993. [326 IAC 6-3]
- (c) One (1) batch handling facility servicing melting furnace No. 1, with a maximum capacity of 22.5 tons of raw material per hour, venting inside the building. This unit was constructed in 1993. [326 IAC 6-3]
- (d) One (1) batch handling facility servicing melting furnace No. 2, with a maximum capacity of 24.8 tons of raw material per hour, venting inside the building. This unit was constructed in 1993. [326 IAC 6-3]
- (e) One (1) sand handling process consisting of one (1) raw material storage bin, with a maximum throughput rate of 560 pounds of Melite per hour, controlled by one (1) dust collector, and venting inside the building. The raw material is transferred to the storage bin using an existing pneumatic conveyance system. This process was constructed in 1998. [326 IAC 6-3]
- (f) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour:
 - (1) One (1) natural gas-fired distributor with a maximum heat input capacity of 8.0 MMBtu per hour.
 - (2) Three (3) natural gas-fired forehearth (identified as 21, 22, and 23), each with a maximum heat input capacity of 2.0 MMBtu per hour.
 - (3) Three (3) natural gas-fired annealing ovens (identified as 21, 22, and 23), each with a maximum heat input capacity of 2.0 MMBtu per hour.
 - (4) One (1) natural gas-fired distributor with a maximum heat input capacity of 7.0 MMBtu per hour.
 - (5) Four (4) natural gas-fired forehearth (identified as 11, 12, 13, and 14), each with a maximum heat input capacity of 1.6 MMBtu per hour.
 - (6) One (1) natural gas-fired forehearth (identified as 15) with a maximum heat input capacity of 2.6 MMBtu per hour.
 - (7) Two (2) natural gas-fired annealing ovens (identified as 2 and 13), each with a maximum heat input capacity of 2.0 MMBtu per hour.
 - (8) Two (2) natural gas-fired annealing ovens (identified as 14 and 15), each with a maximum heat input capacity of 2.2 MMBtu per hour.

Existing Approvals

The source has been operating under the previous Title V permit No. T075-6108-00004, issued November 11, 1998 and the following amendments and revisions:

- (a) Third Administrative Amendment 075-15931-00004, issued on August 9, 2002.
- (b) First Reopening 075-13333-00004, issued on January 4, 2002.
- (c) Second Administrative Amendment 075-14405-00004, issued on June 18, 2000.
- (d) First Administrative Amendment 075-12792-00004, issued on December 7, 2000.

All conditions from previous approvals have been incorporated into this Part 70 permit renewal.

Enforcement Issue

The U.S. EPA is in the process of reviewing violations of the requirements of the Clean Air Act, including the State Implementation Plans (SIP), New Source Performance Standards (NSPS) for the one (1) oxy-fuel glass melting furnace (furnace #2), and potential PSD issues. No determination has been made in this regard by the U.S. EPA at this time.

Recommendation

The staff recommends to the Commissioner that the Part 70 permit renewal 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 January 27, 2003. Additional information was received on November 11, 2003.

Emission Calculations

See Appendix A pages 1 through 9 for detailed emissions calculations.

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 November 11, 1998. 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.

Pollutant	Potential To Emit (tons/year)
PM	224
PM10	225
SO ₂	460
VOC	47.1
CO	54.7
NO _x	326

HAPs	Potential To Emit (tons/year)
Benzene	4.08E-04
Dichlorobenzene	2.33E-04
Formaldehyde	1.46E-02
Hexane	3.50E-01
Toluene	6.61E-04
Totals	3.66E-01

- (a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of PM₁₀, 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
 This type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2. However, since there are applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are 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 2001 OAQ emission data, which is the most recent data available for the source.

Pollutant	Actual Emissions (tons/year)
PM	84.0
PM ₁₀	84.0
SO ₂	249
VOC	31.0
CO	31.0
NO _x	152
HAP (specify)	negligible

County Attainment Status

The source is located in Jay County.

Pollutant	Actual Emissions (tons/year)
PM _{2.5}	Attainment
PM ₁₀	Attainment
SO ₂	Attainment
NO ₂	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) Jay County has been classified as unclassifiable or attainment for PM_{2.5}. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM 2.5 emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for PM_{2.5} emissions, it has directed states to regulate PM₁₀ emissions as surrogate for PM_{2.5} emissions. See the State Rule Applicability for the source section.

- (b) Volatile organic compounds (VOC) emissions 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 ozone. Jay County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (c) Jay County has been classified as attainment or unclassifiable in Indiana for all other criteria. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (d) Fugitive Emissions
This type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2. However, since there are applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are counted toward determination of PSD and Emission Offset applicability.

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 two (2) oxy-fuel glass melting furnaces (identified as furnace No. 1 and 2) are subject to the New Source Performance Standard (NSPS), 326 IAC 12, (40 CFR 60.290, 60.291, 60.293, and 60.296, Subpart CC - Standards of Performance for Glass Manufacturing Plants) because they were constructed after the June 15, 1979 applicability date for this rule, produce more than five (5) tons of glass per day and do not meet the definition of all-electric melters. This plant consists of glass melting furnaces comprising a refractory vessel in which raw materials are charged, melted at high temperature, refined, and conditioned to produce molten glass as defined under 40 CFR 60.291, Subpart CC.

The oxy-fuel design allows lower NO_x and particulate emissions when compared to the conventional regenerative furnaces of the same size. Therefore, the oxy-fuel glass melting furnaces (identified as furnace No. 1 and 2) meet the definition of a modified process because they use a technique designed to minimize emissions without the use of add-on pollution controls. This determination was made in the source's Part 70 permit No. T075-6108-00004, issued on November 11, 1998.

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the two (2) oxy-fuel glass melting furnaces as described in this section except when otherwise specified in 40 CFR Part 60, Subpart CC.

- (1) Pursuant to the 40 CFR 60.293(b), Subpart CC, the particulate matter emissions from the two (2) oxy-fuel glass melting furnaces (identified as furnace No.1 and 2) shall each not exceed 0.50 grams of particulate per kilogram (1.0 pound per ton)

of glass produced for container glass, flat glass, and pressed and blown glass with a soda-lime recipe melting furnaces.

- (2) Pursuant to 40 CFR 60.293(c), Subpart CC
 - (A) The Permittee shall install, calibrate, maintain, and operate a continuous monitoring system (COM) for the measurement of the opacity of emissions discharged into the atmosphere from the two (2) oxy-fuel glass melting furnaces. The COM shall also meet the requirements of 326 IAC 3-5 (Continuous Monitoring of Emissions).
 - (B) The Permittee shall determine the opacity value corresponding to the 99 percent upper confidence level of a normal distribution of average opacity values based on the 6-minute opacity averages.
 - (C) The Permittee shall report to IDEM, OAQ as excess emissions all of the 6-minute periods during which the average opacity, as measured by the COM exceeds the opacity value corresponding to the 99 percent upper confidence level.
- (3) Pursuant to 40 CFR 63.296 (a), Subpart CC, the Permittee shall notify the OAQ at least sixty (60) days before the change is scheduled and the anticipated date for replacement of a glass melting furnace with modified process to one without modified process, or vice versa.

- (b) This source is not subject to the requirements of 40 CFR 61.160, Subpart N - National Emission Standards for Inorganic Arsenic Emissions from Glass Manufacturing Plants (326 IAC 14), because this source does not use any commercial arsenic as a raw material. The term "commercial arsenic" is defined in 40 CFR 61.161 as "any form of arsenic containing substance and is intended for sale or for intentional use in a manufacturing process" and "arsenic that is naturally occurring trace constituent of another substance is not considered commercial arsenic."

There are no other New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this source.

- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs), 40 CFR Part 63, applicable to this source.
- (d) This source is not subject to the provisions of 40 CFR Part 64, Compliance Assurance Monitoring. In order for this rule to apply, a pollutant specific emissions unit must meet three criteria for a given pollutant: 1) the unit is subject to an emission limitation or standard for the applicable regulated air pollutant, 2) the unit uses a control device to achieve compliance with any such emission limitation or standard, and 3) the unit has the potential to emit, of the applicable regulated air pollutant, equal or greater than 100 percent of the amount required for a source to be classified as a major source.

This source does not contain any units that require the use of a control device to achieve compliance with the emission limitations. Therefore, 40 CFR 64 is not applicable to any facilities contained therein.

State Rule Applicability - Entire Source

326 IAC 1-6-3 (Preventive Maintenance Plan)

The source submitted a Preventive Maintenance Plan (PMP) in November 1999.

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

The source submitted an Emergency Reduction Plan (ERP) on November 30, 1998.

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

This source was built prior to August 7, 1977, and is not one (1) of the twenty-eight (28) source categories. At the time of construction, the potential to emit of all criteria pollutants were less than 250 tons per year. The source, named Ball-Foster at that time, was modified in 1998 to construct one (1) oxy-fuel glass melting furnace # 2, a batch handling operation, hot end treatment process, mold swabbing operation, a distributor, three (3) annealing ovens and three (3) forehearths. The potential to emit from the 1998 modification are shown in the table below.

Emission Unit	Potential To Emit (tons/year) After 1998 Modification					
	PM	PM10	SO ₂	VOC	CO	NO _x
1998 Modification	120	120	241	20.6	21.9	169
Existing Source Emissions at the time of Modification	107	107	219	18.9	20.5	157
Totals	227	227	460	39.5	42.4	326
PSD Threshold Level	250	250	250	250	250	250

The 1998 modification to an existing minor source did not trigger PSD review because the emission increases were less than the PSD significant levels. Note that an increase in emissions from sand handling was not discussed in CP075-8923-00004, issued January 28, 1998. However, the PTE of PM and PM10 from the sand handling process is equal to 0.16 tons per year from the entire source. Moreover, the source became major for PSD because the potential to emit of SO₂ and NO_x from the entire source were greater than 250 tons per year (as identified in Part 70 Permit No.: 075-6108-00004 issued November 11, 1998).

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAPs))

The operation of this glass container manufacturing plant has the potential to emit less than ten (10) tons per year of a single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, the provisions of 326 IAC 2-4.1 do not apply.

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). In accordance with the compliance schedule in 326 IAC 2-6-3, an emission statement must be submitted triennially by July 1 beginning in 2005 and every 3 years after. 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 this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) 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.

State Rule Applicability - Oxy-Fuel Glass Melting Furnaces

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The two (2) oxy-fuel glass melting furnaces (identified as furnace No. 1 and 2) are subject to the requirement of 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations). However, as determined in permit No. T075-6108-00004, issued November 11, 1998, there are no applicable emission limits since these furnaces burn only oxygen enriched natural gas.

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

Pursuant to 326 IAC 6-3-2(e)(Particulate Emission Limitations for Manufacturing Processes), particulate emissions from the two (2) oxy-fuel glass melting furnaces (identified as furnace No. 1 and 2) shall not exceed 31.4 and 33.4 pounds per hour, when operating at a process weight rate of 41,667 and 45,834 pounds per hour, respectively.

The pounds per hour limitation was calculated with the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour, and} \\ P = \text{process weight rate in tons per hour.}$$

Based on potential to emit calculations shown in Appendix A (page 2 and 3), the particulate emissions from furnaces No.1 and 2 are equal to 20.8 and 22.9 pounds per hour, respectively. Therefore, the source is in compliance with this rule.

326 IAC 8-1-6 (New Facilities: General Reduction Requirement)

The two (2) oxy-fuel glass melting furnaces (identified as furnace No. 1 and 2) are not subject to the requirements of 326 IAC 8-1-6 (New Facilities: General Reduction Requirement) because the potential emissions of VOC from each furnace is less than twenty-five (25) tons per year.

State Rule Applicability - Mold Swabbing Facilities, Hot End Treatment Facilities

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

Pursuant to 326 IAC 6-3-2(e)(2), the particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) and which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. Therefore, the two (2) mold swabbing and two (2) hot end treatment facilities shall each not exceed 0.551 pounds per hour.

326 IAC 8-1-6 (New Facilities: General Reduction Requirement)

The two (2) mold swabbing facilities, and two (2) hot end treatment facilities are not subject to the requirements of 326 IAC 8-1-6 (New Facilities: General Reduction Requirement) because the potential emissions of VOC from these facilities is less than twenty-five (25) tons per year.

State Rule Applicability - Batch Handling Facilities, Sand Handling consisting of a Raw Material Storage Bin

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

Pursuant to 326 IAC 6-3-2(e)(Particulate Emission Limitations for Manufacturing Processes), particulate emissions from the two (2) batching handling facilities and sand handling consisting of one (1) raw material storage bin shall not exceed the exceed the particulate emission limit as shown in the table below.

Emission Units	Process Weight		Particulate Emission Limit (lbs/hour)
	(lbs/hour)	(tons/hour)	
Batch handling facility servicing furnace No. 1	45,000	22.5	33.0
Batch handling facility servicing furnace No. 2	49,500	24.8	35.2
Sand handling used in conjunction with raw material storage bin	560	0.28	1.75

The pounds per hour limitation was calculated with the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour, and
P = process weight rate in tons per hour.

Based on potential to emit calculations as shown in Appendix A (page 1 of 9), the particulate emissions from two (2) batch handling facilities servicing furnace No. 1 and 2 are equal to 0.16 and 0.17 pounds per hour, respectively.

Based on the potential to emit calculations as shown in Appendix A (page 8 of 9), the particulate emissions from the sand handling is equal to 0.036 pounds per hour.

Therefore, the source can comply with this rule.

Testing Requirements

During the period between 30 and 36 months after issuance of this Part 70 permit, in order to demonstrate compliance with Condition D.1.2, the Permittee shall perform PM testing for the two (2) oxy-fuel glass melting furnaces (identified as furnace No. 1 and No. 2) utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C-Performance Testing.

Testing is required to demonstrate compliance with 40 CFR 60.293, Subpart CC.

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 two (2) oxy-fuel glass melting furnaces have applicable compliance monitoring conditions as specified below:
 - (a) The Permittee shall calibrate, maintain, and operate a continuous monitoring system (COM) for the measurement of the opacity of emissions discharged into the atmosphere from these facilities. The COM must also meet the requirements of 326 IAC 3-5 (Continuous Monitoring of Emissions).
 - (b) The Permittee shall maintain a file of all measurements, all continuous monitoring system evaluations, calibration checks, adjustments, and maintenance performed on the system, and all other data collected by the COM, recorded in permanent

form suitable for inspection. The file shall be retained for a period of five years following the date of such measurements, maintenance reports, and records.

These monitoring conditions are necessary to ensure compliance with the New Source Performance Standard (NSPS), Subpart CC and 326 IAC 3-5 (Continuous Monitoring of Emissions).

Conclusion

The operation of this stationary glass container manufacturing plant shall be subject to the conditions of the attached proposed Part 70 Permit Renewal No. T075-17108-00004.

**Appendix A: Emission Calculations
PM/PM10 Emissions
From Batch Handling Operations**

Company Name: Saint-Gobain Containers
Address: 524 East Center Street, Dunkirk, Indiana 47336
TV Renewal: 075-17108
Pit ID: 075-00004
Reviewer: ERG/SD
Date: March 13, 2006

Process	Maximum Throughput of Raw Material		*Emission Factor		Potential To Emit (tons/year)	Potential To Emit (lbs/hour)
	(tons/day)	(tons/hour)	Pollutant	(lbs/ton)		
Batch handling facility servicing furnace No. 2	594	24.8	PM/PM10	0.007	0.76	0.17
Batch handling facility servicing furnace No. 1	540	22.5			0.69	0.16
TOTAL					1.45	

* Emission factors are from AP-42, Chapter 11.26 (Talc Processing), Table 11.26-1 SCC 3-05-089-85 (11/95).

METHODOLOGY

PTE (tons/year) = Maximum throughput of raw material (tons/hour) * Emission factor (lb/ton) * 8760 hours/year * 1 ton/2000 lbs.

PTE (lbs/hour) = Maximum throughput of raw material (tons/hour) * Emission factor (lb/ton)

**Appendix A: Emission Calculations
One (1) Oxy-Fuel Melting Furnace
(identified as Furnace No. 1)**

Company Name: Saint-Gobain Containers
Address: 524 East Center Street, Dunkirk, Indiana 47336
TV Renewal: 075-17108
Plt ID: 075-00004
Reviewer: ERG/SD
Date: March 13, 2006

Process	Maximum Throughput of Mixture		*Emission Factor		Potential To Emit (tons/year)	Potential To Emit (lbs/hour)
	(tons/day)	(tons/hour)	Pollutant	(lbs/ton)		
Oxy-Fuel Melting Furnace No. 1	500	20.8	PM	1.00	91.3	20.8
			PM10	1.00	91.3	20.8
			SO ₂	2.40	219	
			NO _x	1.60	146	
			VOC	0.20	18.3	
			CO	0.20	18.3	

*** Note:**

Emission factors for VOC and CO are from AP-42, Chapter 11.15, Table 11.15-2 (10/86).

Emission factor for PM, PM10, are based on the limits as specified in 40 CFR 60, Subpart CC - Standards of Performance for Glass Manufacturing Plants).

* Emission factors for SO₂ and NO_x are from a previous permit no. T075-6108-00004, issued on November 11, 1998.

METHODOLOGY

PTE (tons/year) = Maximum throughput of mixture (tons/hour) * Emission factor (lbs of pollutant / tons of glass produced) * 8760 hours/year * 1 ton/2000 lbs.

PTE (lbs/hour) = Maximum throughput of mixture (tons/hour) * Emission factor (lbs of pollutant / tons of glass produced)

**Appendix A: Emission Calculations
One (1) Oxy-Fuel Melting Furnace
(identified as Furnace No. 2)**

Company Name: Saint-Gobain Containers
Address: 524 East Center Street, Dunkirk, Indiana 47336
TV Renewal: 075-17108
Plt ID: 075-00004
Reviewer: ERG/SD
Date: March 13, 2006

Process	Maximum Throughput of Glass		*Emission Factor		Potential To Emit (tons/year)	Potential To Emit (lbs/hour)
	(tons/day)	(tons/hour)	Pollutant	(lbs/ton)		
Oxy-Fuel Melting Furnace No. 2	550	22.9	PM	1.00	100	22.9
			PM10	1.00	100	22.9
			SO ₂	2.40	241	
			NOx	1.60	161	
			VOC	0.20	20.1	
			CO	0.20	20.1	

*** Note:**

Emission factors for VOC and CO are from AP-42, Chapter 11.15, Table 11.15-2 (10/86).
 Emission factor for PM, PM10, are based on the limits as specified in 40 CFR 60, Subpart CC - Standards of Performance for Glass Manufacturing Plants).
 * Emission factors for SO₂ and NOx are from a previous permit no. T075-6108-00004, issued on November 11, 1998.

METHODOLOGY

PTE (tons/year) = Maximum throughput of glass (tons/hour) * Emission factor (lbs of pollutant / tons of glass produced) * 8760 hours/year * 1 ton/2000 lbs.
 PTE (lbs/hour) = Maximum throughput of glass (tons/hour) * Emission factor (lbs of pollutant / tons of glass produced)

**Appendix A: Emission Calculations
PM/PM10 Emissions
From Two (2) Mold Swabbing Operations**

Company Name: Saint-Gobain Containers
Address: 524 East Center Street, Dunkirk, Indiana 47336
TV Renewal: 075-17108
Plt ID: 075-00004
Reviewer: ERG/SD
Date: March 13, 2006

Process	Maximum Throughput of Glass (lbs/hour)	*Emission Factor		Potential To Emit PM/PM10 (tons/year)	Potential To Emit PM/PM10 (lbs/hour)
		Pollutant	(lb/lb)		
2 Mold Swabbing	3.80	PM/PM10	0.87	14.5	3.31
Units	3.33			12.7	2.90
TOTAL				27.2	

* Emission factors of PM/PM10 are taken from the previous permit no. T075-6108-00004, issued on November 11, 1998.

METHODOLOGY

PTE of PM/PM10 (tons/year) = Maximum throughput of glass (lbs/hour) * Emission factor (lb/lb) * 8760 hours/year * 1 ton/2000 lbs.

PTE of PM/PM10 (lbs/hour) = Maximum throughput of glass (lbs/hour) * Emission factor (lb/lb)

**Appendix A: Emission Calculations
PM/PM10 and VOC Emissions
From Two (2) Hot End Treatment**

Company Name: Saint-Gobain Containers
Address: 524 East Center Street, Dunkirk, Indiana 47336
TV Renewal: 075-17108
Plt ID: 075-00004
Reviewer: ERG/SD
Date: March 13, 2006

Process	Maximum Throughput of Glass (lbs/hour)	*Emission Factor		PTE of PM/PM10 (tons/year)	PTE PM/PM10 (lbs/hour)
		Pollutant	(lb/lb)		
Two (2) Hot End Treatments	1.80	PM/PM10	0.35	2.76	0.63
TOTAL				2.76	

* Emission factors for PM/PM10 are from a previous permit no. T075-6108-00004, issued on November 11, 1998.

METHODOLOGY

PTE of PM/PM10 (tons/year) = Maximum throughput of glass (lbs/hour) * Emission factor (lb/lb) * 8760 hours/year * 1 ton/2000 lbs.

PTE PM/PM10 (lbs/hour) = Maximum throughput of glass (lbs/hour) * Emission factor (lb/lb)

Process	Maximum Throughput of Glass (lbs/hour)	Weight % VOC	PTE of VOC	
			(lbs/hour)	(tons/year)
Two (2) Hot End Treatments	1.80	98%	1.76	7.73
TOTAL			7.73	

METHODOLOGY

PTE of VOC (tons/year) = Maximum throughput of glass (lbs/hour) * Weight % VOC * 8760 hours/year * 1 ton/2000 lbs

PTE of VOC (lbs/hour) = Maximum throughput of glass (lbs/hour) * Weight % VOC

**Appendix A: Emission Calculations
Seventeen (17) Natural Gas Fired Combustion Units**

Company Name: Saint-Gobain Containers
Address: 524 East Center Street, Dunkirk, Indiana 47336
TV Renewal: 075-17108
Plt ID: 075-00004
Reviewer: ERG/SD
Date: March 13, 2006

Heat Input Capacity
(MMBtu/hour)

Potential Throughput
(MMscf/year)

44.4 (17 Units Total)

381.3

	Pollutant					
	* PM	* PM10	SO ₂	** NO _x	VOC	CO
Emission Factor (lb/MMscf)	1.9	7.6	0.6	100.0	5.5	84.0
Potential To Emit (tons/year)	0.36	1.45	0.11	19.1	1.05	16.0

* PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM and PM10 combined.

**Emission factor for NOx (Uncontrolled) = 100 lb/MMSCF.

Emission factors are from AP-42, Chapter 1.4, Tables 1.4-1, and 1.4-2, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (July, 1998).

All Emission factors are based on normal firing.

METHODOLOGY

Potential throughput (MMscf/year) = Heat input capacity (MMBtu/hour) * 8760 hours/year * 1 MMscf/1020 MMBtu

PTE (tons/year) = Potential throughput (MMscf/year) * Emission factor (lb/MMscf) * 1 ton/2000 lbs

See next page for HAPs emissions calculations.

**Appendix A: Emission Calculations
Seventeen (17) Natural Gas Fired Combustion Units**

Company Name: Saint-Gobain Containers
Address: 524 East Center Street, Dunkirk, Indiana 47336
TV Renewal: 075-17108
Plt ID: 075-00004
Reviewer: ERG/SD
Date: March 13, 2006

HAPs - Organics

Emission Factor (lb/MMscf)	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential To Emit (tons/year)	4.00E-04	2.29E-04	1.43E-02	3.43E-01	6.48E-04

HAPs - Metals

Emission Factor (lb/MMscf)	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential To Emit (tons/year)	9.53E-05	2.10E-04	2.67E-04	7.25E-05	4.00E-04

Methodology is the same as previous page.

The five highest organic and metal HAPs emission factors provided above are from AP-42, Chapter 1.4, Table 1-4.2, 1.4-3 and 1.4-4 (July, 1998).

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Appendix A: Emission Calculations
PM/PM10 Emissions
From One (1) Raw Matetial Storage Bin and Sand Handling

Company Name: Saint-Gobain Containers
Address: 524 East Center Street, Dunkirk, Indiana 47336
TV Renewal: 075-17108
Plt ID: 075-00004
Reviewer: ERG/SD
Date: March 13, 2006

Process	Maximum Throughput of Raw Material (tons/hour)	*Emission Factor		Potential To Emit (tons/year)	Potential To Emit (lbs/hour)
		Pollutant	(lb/ton)		
Sand Handling	0.280	PM/PM10	0.0013	0.16	0.036
TOTAL				0.16	

* Emission Factor for PM/PM10 (after control) is from AP-42, Chapter 11.19.1-1, Sand and Gravel Processing, Table 11.19.1-1 (SCC 3-05-027), November 1995.
Control = Dust Collector with 99 % efficiency

METHODOLOGY

PTE (tons/year) = Maximum throughput of raw material (tons/hour) * Emission factor (lb/ton) * 8760 hours/year * 1 ton/2000 lbs * 1/(1-control efficiency %).

PTE (lbs/hour) = Maximum throughput of raw material (tons/hour) * Emission factor (lb/ton) * 1/(1-control efficiency %).

**Appendix A: Emission Calculations
Summary**

Company Name: Saint-Gobain Containers
Address: 524 East Center Street, Dunkirk, Indiana 47336
TV Renewal: 075-17108
Pit ID: 075-00004
Reviewer: ERG/SD
Date: March 13, 2006

POTENTIAL TO EMIT IN TONS PER YEAR

Emission Units	PM	PM10	SO2	NOx	VOC	CO
Batch Handling Facilities	1.45	1.45				
Melting Furnace 1	91.3	91.3	219	146	18.3	18.3
Melting Furnace 2	100	100	241	161	20.1	20.1
Two (2) Mold Swabing Facilities	27.2	27.2				
Two (2) Hot End Treatment Facilities	2.76	2.76			7.73	
Combustion Units	0.36	1.45	0.11	19.1	1.05	16.0
Sand Handling	0.16	0.16				
TOTAL	224	225	460	326	47.1	54.3