



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: November 13, 2006
RE: Ball Metal Beverage / 181-17684-00022
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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PART 70 OPERATING PERMIT RENEWAL OFFICE OF AIR QUALITY

**Ball Metal Beverage Container Corporation
501 North Sixth Street
Monticello, Indiana 47960**

(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.: T181-17684-00022	
Issued by: Nisha Sizemore Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: November 13, 2006 Expiration Date: November 13, 2011

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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 aluminum based beverage can manufacturing and coating plant.

Responsible Official:	Ross A. Rittberg
Source Address:	501 North Sixth Street, Monticello, IN 47960
Mailing Address:	501 North Sixth Street, Monticello, IN 47960
General Source Phone Number:	765-584-6101
SIC Code:	3411
County Location:	White
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD Rules;

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

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

- (a) Three (3) lithographic printing presses for printing and over varnish, constructed in 1993 and identified as PTR-1, PTR-2 and PTR-3, each with a maximum capacity of 150,000 cans per hour, with three natural gas-fired drying ovens (PO-1, PO-2 and PO-3), each rated at 3.72 MMBtu/hr, and exhausting to the thermal oxidizer.
- (b) One (1) natural gas-fired regenerative thermal oxidizer, constructed in 1988 and identified as TO-1, rated at 16.0 MMBtu/hr, exhausting to stack TO-1.
- (c) Three (3) inside spray machine lines, constructed in 1993 and identified as ISM-1, ISM-2 and ISM-3, each consisting of six machines, each using airless application systems with a baghouse for particulate filtering, each with a coating capacity of 150,000 cans per hour, with three natural gas-fired drying ovens (ISO-1, ISO-2 and ISO-3), each rated at 6.0 MMBtu/hr, and each exhausting to the thermal oxidizer, TO-1.
- (d) One (1) end making line, constructed in 1992 and identified as FE 36, with a maximum capacity of 540,000 ends per hour, with no controls and exhausting to atmosphere.

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

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

- (a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 [326 IAC 8-3-2];

- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment [326 IAC 6-3-2]; and
- (c) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone [326 IAC 6-3-2].

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

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

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

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

B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5] [326 IAC 2-7-4(a)(1)(D)] [IC 13-15-3-6(a)]

- (a) This permit, T181-17684-00022, 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 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.4 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.5 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

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

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

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

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

and

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

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

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,
Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

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

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

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

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

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

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.
 - (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
 - (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

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

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

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
- (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ has issued the modification. [326 IAC 2-7-12(b)(8)]

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

- (a) All terms and conditions of permits established prior to T181-17684-00022 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 combined permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

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

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

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

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

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

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

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 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.16 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

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

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

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

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

Any such application shall be certified by the "responsible official" as defined by 326

IAC 2-7-1(34).

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

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

- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

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

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (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);

The Permittee notifies the:

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

and

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

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

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document, all such changes and 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 the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

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

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

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

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

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

- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

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

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

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

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

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

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

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

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

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

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

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

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

B.25 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.

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

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). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

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

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.8 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.9 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

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

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

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

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

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

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

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

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

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on June 3, 1996.
- (b) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.
[326 IAC 1-5-3]

C.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

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

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as

- through response by a computerized distribution control system); or
- (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
- (1) monitoring results;
 - (2) review of operation and maintenance procedures and records;
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
- (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

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

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 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,
Indianapolis, Indiana 46204-2251

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

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

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

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

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

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

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (f) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ . The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

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

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

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

SECTION D.1 FACILITY OPERATION CONDITIONS

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

- (a) Three (3) lithographic printing presses for printing and over varnish, identified as PTR-1, PTR-2 and PTR-3, each with a maximum capacity of 150,000 cans per hour, with three natural gas-fired drying ovens (PO-1, PO-2 and PO-3), each rated at 3.72 MMBtu/hr, and exhausting to the thermal oxidizer.
- (b) One (1) natural gas-fired regenerative thermal oxidizer, identified as TO-1, rated at 16.0 MMBtu/hr, exhausting to stack TO-1.
- (c) Three (3) inside spray machine lines, identified as ISM-1, ISM-2 and ISM-3, each consisting of six machines, each using airless application systems with a baghouse for particulate filtering, each with a coating capacity of 150,000 cans per hour, with three natural gas-fired drying ovens (ISO-1, ISO-2 and ISO-3), each rated at 6.0 MMBtu/hr, and each exhausting to the thermal oxidizer, TO-1.
- (d) One (1) end making line, identified as FE 36, with a maximum capacity of 540,000 ends per hour, with no controls and exhausting to atmosphere.

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

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

D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-3][40 CFR 60.492] [326 IAC 12]

Pursuant to 326 IAC 8-2-3(b), (Can Coating Operations), the operator of three (3) overvarnish lines PTR-1 through 3 and three (3) inside spray machine lines ISM-1 through 3, shall not cause, allow or permit the discharge into the atmosphere of any volatile organic compounds in excess of the following:

Coating	326 IAC 8-2-3 Limit (lb VOC/gal), less water
Interior Spray	4.2
Over Varnish	2.8

D.1.2 PSD Minor Limit [326 IAC 2-2]

- (a) Pursuant to CP 181-5079-00022, issued on June 12, 1996 the use of VOC, including coatings, dilution solvents, and cleaning solvents at three (3) lithographic printing presses and overvarnish line PTR- 1 through 3 and three (3) inside spray machine lines ISM- 1 through 3 shall be less than 223.3 tons per 12 consecutive month period, after controls, with compliance determined at the end of each month.
- (b) The overall control efficiencies shall be 51.5 % for three (3) printing presses and overvarnish and 73.5 % for three (3) inside spray machine lines. Compliance with (a) shall be determined based on the following equation:

$$\text{VOC emissions} = (\text{Input VOC to solvent cleaning operation}) + (\text{Input VOC to printing and overvarnish}) \times (1 - \% \text{Control Efficiency}) + (\text{Input VOC to inside spray} \times (1 - \% \text{Control Efficiency}))$$

This usage limit is required to limit the potential to emit of VOC from the entire source to less than 250 tons per 12 consecutive month period. Compliance with this limit will render 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

D.1.3 Volatile Organic Compounds (VOC) [326 IAC 8-1-6][326 IAC 2-2]

Pursuant to CP 181-5079-00022, issued on June 12, 1996, the VOC content delivered to end making line shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period with compliance determined at the end of each month. Therefore, the best available control technology (BACT) requirement in 326 IAC 8-1-6 does not apply.

This usage limit is required to limit the potential to emit of VOC from the entire source to less than 250 tons per 12 consecutive month period. Compliance with this limit will render 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

D.1.4 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from the inside spray machines operations shall be controlled by a baghouse and the Permittee shall operate the control device in accordance with manufacturer's specifications.

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 this facility and its emission control devices.

Compliance Determination Requirements

D.1.6 Volatile Organic Compounds (VOC) [326 IAC 8-1-4] [326 IAC 8-1-2(a)] [40 CFR 60.493]

Compliance with the VOC content limitations contained in Conditions D.1.1 (a), D.1.2 and D.1.3 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4

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

Within one hundred and eighty (180) days after issuance of this permit, the Permittee shall conduct a performance test to verify VOC control efficiency (as the product of destruction efficiency and capture efficiency) required by condition D.1.2 for the thermal oxidizer utilizing methods as approved by the Commissioner. The destruction efficiency test shall be repeated at least once every five years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

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

D.1.8 Monitoring

- (a) Daily external inspections shall be performed to verify the placement, integrity and particle loading of the baghouse. If a condition exists which should result in a response step, 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.
- (b) Monthly ductwork cleaning and semi-annual inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is 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.1.9 Thermal Oxidizer Temperature [40 CFR 64]

- (a) A continuous monitoring strip chart shall be calibrated, maintained, and operated on the thermal oxidizer for measuring operating temperature. The output of this strip chart shall be recorded continuously when the temperature of thermal oxidizer is maintained at or above 1300 ° F. If the temperature falls below 1300 ° F, the 3-hr average temperature must be recorded using data obtained from the strip chart until the temperature reaches 1300 ° F or above. From the date of issuance of this permit until the approved stack test results are available, the Permittee shall take appropriate response steps in accordance with Section C Response to Excursions or Exceedances whenever the 3-hr average temperature of thermal oxidizer is below 1300°F.
- (b) The Permittee shall determine the 3-hr average temperature from the most recent valid stack test that demonstrates compliance with limits in conditions D.1.2, as approved by IDEM.
- (c) On and after the date the approved stack test results are available, the Permittee shall operate the thermal oxidizer at or above the 3-hr average temperature as observed during the compliant stack test.
- (d) The Permittee shall perform weekly inspections of the control equipment structure including ductwork.

Compliance with these requirements satisfies Compliance Assurance Monitoring (CAM) requirements.

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.10 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.1 (a), (b), D.1.2, and D.1.3, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Conditions D.1.1 (a), (b), D.1.2, and D.1.3. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
 - (1) The VOC content of each coating material and solvent used.
 - (2) The amount of coating material and solvent used less water on monthly basis.
 - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.
 - (3) The volume weighted VOC content of the coatings used for each month;
 - (4) The cleanup solvent usage for each month;
 - (5) The total VOC usage for each month; and
 - (6) The weight of VOCs emitted for each compliance period;
- (b) To document compliance with Condition D.1. 8, the Permittee shall maintain a log of daily external inspections and semi-annual inspections.

- (c) To document compliance with Condition D.1.9, the Permittee shall maintain a strip chart of thermal oxidizer temperatures.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.11 Reporting Requirements

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

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

D.1.12 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1 for the three (3) lithographic printing presses for over varnish and the three (3) inside spray machine lines except as otherwise specified in 40 CFR Part 60, Subpart WW.

(b) Pursuant to 40 CFR 60.10, the Permittee shall submit all required notifications and reports to:

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

D.1.13 Standards of Performance for the Beverage Can Surface Coating Industry Requirements [40 CFR Part 60, Subpart WW] [326 IAC 12]

Pursuant to 40 CFR Part 60, Subpart WW, the Permittee shall comply with the provisions of 40 CFR 60, Subpart WW, Standards of Performance for the Beverage Can Surface Coating Industry for the three (3) lithographic printing presses for over varnish and the three (3) inside spray machine lines as specified as follows.

§ 60.490 Applicability and designation of affected facility.

(a) The provisions of this subpart apply to the following affected facilities in beverage can surface coating lines: each exterior base coat operation, each overvarnish coating operation, and each inside spray coating operation.

(b) The provisions of this subpart apply to each affected facility which is identified in paragraph (a) of this section and commences construction, modification, or reconstruction after November 26, 1980.

§ 60.491 Definitions.

(a) All terms which are used in this subpart and are not defined below are given the same meaning as in the Act and subpart A of this part.

(1) *Beverage can* means any two-piece steel or aluminum container in which soft drinks or beer, including malt liquor, are packaged. The definition does not include containers in which fruit or vegetable juices are packaged.

(2) *Exterior base coating operation* means the system on each beverage can surface coating line used to apply a coating to the exterior of a two-piece beverage can body. The exterior base coat provides

corrosion resistance and a background for lithography or printing operations. The exterior base coat operation consists of the coating application station, flashoff area, and curing oven. The exterior base coat may be pigmented or clear (unpigmented).

(3) *Inside spray coating operation* means the system on each beverage can surface coating line used to apply a coating to the interior of a two-piece beverage can body. This coating provides a protective film between the contents of the beverage can and the metal can body. The inside spray coating operation consists of the coating application station, flashoff area, and curing oven. Multiple applications of an inside spray coating are considered to be a single coating operation.

(4) *Overvarnish coating operation* means the system on each beverage can surface coating line used to apply a coating over ink which reduces friction for automated beverage can filling equipment, provides gloss, and protects the finished beverage can body from abrasion and corrosion. The overvarnish coating is applied to two-piece beverage can bodies. The overvarnish coating operation consists of the coating application station, flashoff area, and curing oven.

(5) *Two-piece can* means any beverage can that consists of a body manufactured from a single piece of steel or aluminum and a top. Coatings for a two-piece can are usually applied after fabrication of the can body.

(6) *VOC content* means all volatile organic compounds (VOC) that are in a coating. VOC content is expressed in terms of kilograms of VOC per liter of coating solids.

(b) Notations used under §60.493 of this subpart are defined below:

C_a =the VOC concentration in each gas stream leaving the control device and entering the atmosphere (parts per million as carbon)

C_b =the VOC concentration in each gas stream entering the control device (parts per million as carbon)

D_c =density of each coating, as received (kilograms per liter)

D_d =density of each VOC-solvent added to coatings (kilograms per liter)

D_r =density of VOC-solvent recovered by an emission control device (kilograms per liter)

E =VOC destruction efficiency of the control device (fraction)

F =the proportion of total VOC emitted by an affected facility which enters the control device to total emissions (fraction)

G =the volume-weighted average of VOC in coatings consumed in a calendar month per volume of coating solids applied (kilograms per liter of coating solids)

H_e =the fraction of VOC emitted at the coater and flashoff areas captured by a collection system

H_h =the fraction of VOC emitted at the cure oven captured by a collection system

L_c =the volume of each coating consumed, as received (liters)

L_d =the volume of each VOC-solvent added to coatings (liters)

L_r =the volume of VOC-solvent recovered by an emission control device (liters)

L_s =the volume of coating solids consumed (liters)

M_d =the mass of VOC-solvent added to coatings (kilograms)

M_o =the mass of VOC-solvent in coatings consumed, as received (kilograms)

M_r =the mass of VOC-solvent recovered by emission control device (kilograms)

N =the volume-weighted average mass of VOC emissions to atmosphere per unit volume of coating solids applied (kilograms per liter of coating solids)

Q_a =the volumetric flow rate of each gas stream leaving the control device and entering the atmosphere (dry standard cubic meters per hour)

Q_b =the volumetric flow of each gas stream entering the control device (dry standard cubic meters per hour)

R=the overall emission reduction efficiency for an affected facility (fraction)

S_e=the fraction of VOC in coating and diluent VOC-solvent emitted at the coater and flashoff area for a coating operation

S_h=the fraction of VOC in coating and diluent solvent emitted at the cure oven for a coating operation

V_s=the proportion of solids in each coating, as received (fraction by volume)

W_o=the proportion of VOC in each coating, as received (fraction by weight).

§ 60.492 Standards for volatile organic compounds.

On or after the date on which the initial performance test required by §60.8(a) is completed, no owner or operator subject to the provisions of this subpart shall discharge or cause the discharge of VOC emissions to the atmosphere that exceed the following volume-weighted calendar-month average emissions:

(a) 0.29 kilogram of VOC per litre of coating solids from each two-piece can exterior base coating operation, except clear base coat;

(b) 0.46 kilogram of VOC per litre of coating solids from each two-piece can clear base coating operation and from each overvarnish coating operation; and

(c) 0.89 kilogram of VOC per litre of coating solids from each two-piece can inside spray coating operation.

§ 60.493 Performance test and compliance provisions.

(a) Section 60.8(d) does not apply to monthly performance tests and §60.8(f) does not apply to the performance test procedures required by this subpart.

(b) The owner or operator of an affected facility shall conduct an initial performance test as required under §60.8(a) and thereafter a performance test each calendar month for each affected facility.

(1) The owner or operator shall use the following procedures for each affected facility that does not use a capture system and a control device to comply with the emission limit specified under §60.492. The owner or operator shall determine the VOC-content of the coatings from formulation data supplied by the manufacturer of the coating or by an analysis of each coating, as received, using Method 24. The Administrator may require the owner or operator who uses formulation data supplied by the manufacturer of the coating to determine the VOC content of coatings using Method 24 or an equivalent or alternative method. The owner or operator shall determine from company records the volume of coating and the mass of VOC-solvent added to coatings. If a common coating distribution system serves more than one affected facility or serves both affected and existing facilities, the owner or operator shall estimate the volume of coating used at each facility by using the average dry weight of coating, number of cans, and size of cans being processed by each affected and existing facility or by other procedures acceptable to the Administrator.

(i) Calculate the volume-weighted average of the total mass of VOC per volume of coating solids used during the calendar month for each affected facility, except as provided under paragraph (b)(1)(iv) of this section. The volume-weighted average of the total mass of VOC per volume of coating solids used each calendar month will be determined by the following procedures.

(A) Calculate the mass of VOC used (M_o+M_d) during the calendar month for the affected facility by the following equation:

$$M_o + M_d = \sum_{i=1}^n L_{ci} D_{ci} W_{oi} + \sum_{j=1}^m L_{dj} D_{dj}, \quad (1)$$

[ΣL_{ci}D_{ci} will be 0 if no VOC solvent is added to the coatings, as received.] where n is the number of different coatings used during the calendar month and m is the number of different diluent VOC-solvents used during the calendar month.

(B) Calculate the total volume of coating solids used (L_s) in the calendar month for the affected facility by the following equation:

$$L_s = \sum_{i=1}^n L_{vi} V_{si}, \quad (2)$$

where n is the number of different coatings used during the calendar month.

(C) Calculate the volume-weighted average mass of VOC per volume of solids used (G) during the calendar month for the affected facility by the following equation:

$$G = \frac{M_o + M_d}{L_s} \quad (3)$$

(ii) Calculate the volume-weighted average of VOC emissions discharged to the atmosphere (N) during the calendar month for the affected facility by the following equation:

$$N = G \quad (4)$$

(iii) Where the value of the volume-weighted average mass of VOC per volume of solids discharged to the atmosphere (N) is equal to or less than the applicable emission limit specified under §60.492, the affected facility is in compliance.

(iv) If each individual coating used by an affected facility has a VOC content equal to or less than the limit specified under §60.492, the affected facility is in compliance provided no VOC-solvents are added to the coating during distribution or application.

§ 60.495 Reporting and recordkeeping requirements.

(a) The owner or operator of an affected facility shall include the following data in the initial compliance report required under §60.8(a).

(1) Where only coatings which individually have a VOC content equal to or less than the limits specified under §60.492 are used, and no VOC is added to the coating during the application or distribution process, the owner or operator shall provide a list of the coatings used for each affected facility and the VOC content of each coating calculated from data determined using Method 24 or supplied by the manufacturers of the coatings.

(2) Where one or more coatings which individually have a VOC content greater than the limits specified under §60.492 are used or where VOC are added or used in the coating process, the owner or operator shall report for each affected facility the volume-weighted average of the total mass of VOC per volume of coating solids.

(b) Following the initial performance test, each owner or operator shall identify, record, and submit quarterly reports to the Administrator of each instance in which the volume-weighted average of the total mass of VOC per volume of coating solids, after the control device, if capture devices and control systems are used, is greater than the limit specified under §60.492. If no such instances occur during a particular quarter, a report stating this shall be submitted to the Administrator semiannually.

(d) Each owner or operator subject to the provisions of this subpart shall maintain at the source, for a period of at least 2 years, records of all data and calculations used to determine VOC emissions from each affected facility in the initial and monthly performance tests. Where compliance is achieved through the use of thermal incineration, each owner or operator shall maintain, at the source, daily records of the incinerator combustion chamber temperature. If catalytic incineration is used, the owner or operator shall maintain at the source daily records of the gas temperature, both upstream and downstream of the incinerator catalyst bed. Where compliance is achieved through the use of a solvent recovery system, the owner or operator shall maintain at the source daily records of the amount of solvent recovered by the system for each affected facility.

(e) The requirements of this section remain in force until and unless EPA, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such State. In that event, affected facilities within the State will be relieved of the obligation to comply with this subsection, provided that they comply with the requirements established by the State.

60.496 Test methods and procedures.

(a) The reference methods in appendix A to this part, except as provided in §60.8, shall be used to conduct performance tests.

(1) Method 24, an equivalent or alternative method approved by the Administrator, or manufacturers' formulation data from which the VOC content of the coatings used for each affected facility can be calculated. In the event of a dispute, Method 24 data shall govern. When VOC content of water-borne coatings, determined from data generated by Method 24, is used to determine compliance of affected facilities, the results of the Method 24 analysis shall be adjusted as described in Section 12.6 of Method 24.

(b) For Method 24, the coating sample must be a 1-litre sample collected in a 1-litre container at a point where the sample will be representative of the coating material.

(d) Each owner or operator subject to the provisions of this subpart shall maintain at the source, for a period of at least 2 years, records of all data and calculations used to determine VOC emissions from each affected facility in the initial and monthly performance tests. Where compliance is achieved through the use of thermal incineration, each owner or operator shall maintain, at the source, daily records of the incinerator combustion chamber temperature. If catalytic incineration is used, the owner or operator shall maintain at the source daily records of the gas temperature, both upstream and downstream of the incinerator catalyst bed. Where compliance is achieved through the use of a solvent recovery system, the owner or operator shall maintain at the source daily records of the amount of solvent recovered by the system for each affected facility.

(e) The requirements of this section remain in force until and unless EPA, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such State. In that event, affected facilities within the State will be relieved of the obligation to comply with this subsection, provided that they comply with the requirements established by the State.

SECTION D.2 FACILITY OPERATIONS CONDITIONS

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

- (a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment [326 IAC 6-3-2]; and
- (c) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone [326 IAC 6-3-2].

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

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

D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for all parts washers constructed after January 1, 1980, the Permittee shall:

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

D.2.2 Particulate [326 IAC 6-3-2(e)(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. This limit applies to the following insignificant activities:

- (a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (b) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone.

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

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Ball Metal Beverage Container Corporation
Source Address: 501 North Sixth Monticello Indiana 47960
Mailing Address: 501 North Sixth Monticello Indiana 47960
Part 70 Permit No.: T181-17684-00022

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
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Ball Metal Beverage Container Corporation
Source Address: 501 North Sixth Monticello Indiana 47960
Mailing Address: 501 North Sixth Monticello Indiana 47960
Part 70 Permit No.: T181-17684-00022

This form consists of 2 pages

Page 1 of 2

- | |
|--|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none">C The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); andC The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16. |
|--|

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

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

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

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:

Title / Position:

Date:

Phone:

A certification is not required for this report.

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

Part 70 Quarterly Report

Source Name: Ball Metal Beverage Container Corporation
 Source Address: 501 North Sixth Monticello Indiana 47960
 Mailing Address: 501 North Sixth Monticello Indiana 47960
 Part 70 Permit No.: T181-17684-00022
 Facility: Three (3) lithographic printing presses and overvarnish lines PTR-1 through 3 and three (3) inside spray machine lines ISM-1 through 3
 Parameter: VOC Emissions
 Limit: The VOC emissions after controls shall be limited to less than 223.3 tons per 12 consecutive month period, after controls, with compliance determined at the end of each month, using the following formula:

$$\text{VOC emissions} = (\text{Input VOC to solvent}) + (\text{Input VOC to printing and overvarnish} \times (1 - \% \text{Control Efficiency})) + (\text{Input VOC to inside spray} \times (1 - \% \text{Control Efficiency}))$$

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Ball Metal Beverage Container Corporation
Source Address: 501 North Sixth Monticello Indiana 47960
Mailing Address: 501 North Sixth Monticello Indiana 47960
Part 70 Permit No.: T181-17684-00022
Facility: End making line, FE-36.
Parameter: VOC Usage
Limit: The usage of VOC shall be limited to less than 25 tons per 12 consecutive month period, with compliance determined at the end of each month.

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

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

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

Source Name: Ball Metal Beverage Container Corporation
 Source Address: 501 North Sixth Monticello Indiana 47960
 Mailing Address: 501 North Sixth Monticello Indiana 47960
 Part 70 Permit No.: T181-17684-00022

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 this permit, shall be reported according to the schedule stated in the applicable requirement and do 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: Ball Metal Beverage Container Corporation
Source Location: 501 N. 6th Street Monticello IN 47960
County: White
SIC Code: 3411
Operation Permit No.: T181-17684-00022
Permit Reviewer: RT / EVP

On August 23, 2004, the Office of Air Quality (OAQ) had a notice published in the Herald Journal in Monticello, Indiana, stating that Ball Metal Beverage Container Corporation had applied for Part 70 Operating Permit Renewal for the operation of aluminum based beverage can manufacturing and coating plant. The notice also stated that OAQ proposed to issue a Part 70 Operating Permit Renewal for this operation and provided information on how the public could review the permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this Part 70 Operating Permit Renewal should be issued as proposed.

On September 27, 2004, OAQ received comments from Ball Metal Beverage Container Corporation through their environmental health and safety manager. All comments received are in relation to the proposed Part 70 Renewal.

The summary of the comments and related responses for the comments received from the Ball Metal Beverage Container Corporation environmental health and safety manager are presented. Any changes made to the permit as a result of the following comments are shown in bold and deleted permit language is shown with a line through it. Permit changes affecting the permit's Table of Contents are also revised without replication herein.

Comments Received from Ball Metal Beverage Container Corporation:

PART 70 RENEWAL

Comment 1:

Section C.4. is not applicable to the RTO, Regenerative Thermal Oxidizer, used at the facility. The RTO is a control unit and part of the process.

Response to Comment 1:

This condition states, "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." The condition is a general prohibition against improper incineration that applies to all sources, whether the source has incinerators or not. This is a general condition that IDEM incorporates in all the Title V permits and this condition does not indicate that the rule applies to the oxidizers. This general condition only applies to incinerators meeting the definition in 326 IAC 1-2-34. The rules applicable to the oxidizers are clearly discussed in the technical support document (TSD) (pages 13, and 16 through 18, and Section D.1 of the permit. Therefore, the condition will not be changed.

Comment 2:

Section C.6. Add to the statement as follows: Except as otherwise provided by statute or rule, or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission unit(s) vented to the control equipment is in operation, *when necessary to ensure compliance with all emission limits as described in Section D of this permit.*

Response to Comment 2:

Section C.6 has been removed from the permit because there are conditions in section D which require the operation of the control equipment at all times the unit is in operation.

~~C.6 — Operation of Equipment [326 IAC 2-7-6(6)]~~

~~Except as otherwise provided by statute or rule, or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission unit(s) vented to the control equipment is in operation.~~

Comment 3:

Section C.7. The source is exempt per 326 IAC 1-7-1. The source has less than twenty-five (25) tons per year of actual emissions (after controls) of particulate matter and sulfur dioxide, and shall be exempt from the requirements specified in 326 IAC 1-7-3(a).

Response to Comment 3:

IDEM agrees with the Permittee. Since the source's actual PM emissions (after controls) are less than twenty five (25) tons per year of particulate matter and sulfur dioxide, pursuant to 326 IAC 1-7-5 (Exemptions), the source is exempt from the provisions of 326 IAC 1-7-3(a). Therefore, Condition C.7 has been removed from the permit based on the comment.

~~C.7 — Stack Height [326 IAC 1-7]~~

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

Comment 4:

Applicability of the emission standards in 40 CFR Part 63, Subpart KKKK, the National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Cans, cannot be determined at this time. In the November 13, 2002 Federal Register notice promulgating Subpart KKKK, EPA addressed the applicability issues as follow: "The outcome of two delisting petitions that have been submitted to EPA could significantly affect which sources will be subject to the final rule. These petitions are the petition to delist EGBE from the HAP list and the petition to delist the two-piece beverage can segment from the source category list. Both petitions are being reviewed by EPA. If granted, the delisting of either EGBE or the two piece beverage can segment could significantly decrease the number of affected sources by the final rule." Our sources indicate the EGBE petition will be signed in the very near future. This facility would not be a major source of HAPS if EGBE is delisted and would not be subject to Subpart KKKK. We are therefore requesting a 10/25 ton HAP limit in the event of an EGBE delisting. This would limit the HAPs to 10 tons of any single HAP and 25 tons of all HAPs annually. If EGBE is not delisted, the facility would be a major source for HAPS and would comply with Subpart KKKK.

For clarification, all references to 40 CFR Part 63 Subpart KKKK are not applicable until three years after the effective date.

Response to Comment 4:

Based upon the USEPA's delisting of EGBE as a HAP on November 29, 2004, which became effective in The Indiana Register on December 1, 2005, the source is no longer a major source of HAPS. Therefore, the source is not subject to the requirements of 40 CFR 63, Subpart KKKK.

Conditions D.1.4 , D.1.5, D.1.15, and D.1.16, have been deleted from the proposed Part 70 renewal.

~~D.1.4 General Provisions Relating to HAPs [326 IAC 20-1][40 CFR Part 63, Subpart A] [Table 5 to 40 CFR Part 63, Subpart KKKK] [40 CFR 63.3501]~~

- ~~(a) The provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1, apply to the affected source, except when otherwise specified by Table 5 to 40 CFR Part 63, Subpart KKKK. The Permittee must comply with these requirements on and after the effective date of the National Emission Standards for Hazardous Air Pollutants.~~
- ~~(b) Since the applicable requirements associated with the compliance options are not included and specifically identified in this permit, the permit shield authorized by the B section of this permit in the condition titled Permit Shield, and set out in 326 IAC 2-7-15 does not apply to paragraph (a) of this condition.~~

~~D.1.5 National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Cans [40 CFR Part 63, Subpart KKKK] [40 CFR 63.3561] [40 CFR 63.3481] [40 CFR 63.3482] [40 CFR 63.3483(b)]~~

- ~~(a) The provisions of 40 CFR Part 63, Subpart KKKK (National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Cans) apply to the affected source. A copy of this rule is available on the US EPA Air Toxics Website at <http://www.epa.gov/ttn/atw/mcan/mcanpg.html>. Pursuant to 40 CFR 63.3483(b), the Permittee must comply with these requirements on and after the date 3 years after the effective date of 40 CFR Part 63, Subpart KKKK.~~
- ~~(b) Since the applicable requirements associated with the compliance options are not included and specifically identified in this permit, the permit shield authorized by the B section of this permit in the condition titled Permit Shield, and set out in 326 IAC 2-7-15 does not apply to paragraph (a) of this condition.~~
- ~~(c) The affected source is the collection of all of the items listed in 40 CFR 63.3482, paragraphs (b)(1) through (4) that are used for surface coating of metal cans and ends (including decorative tins), or metal crowns or closures:~~
- ~~(1) All coating operations as defined in 40 CFR 63.3561;~~
 - ~~(2) All storage containers and mixing vessels in which coatings, thinners, and cleaning materials are stored or mixed;~~
 - ~~(3) All manual and automated equipment and containers used for conveying coatings, thinners, and cleaning materials; and~~

~~(4) — All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.~~

~~(d) — Terminology used in this section are defined in the CAA, in 40 CFR Part 63, Section 63.2, and in 40 CFR 63.3561, and are applicable to the affected source.~~

~~D.1.15 Notification Requirements [40 CFR 63.3510]~~

~~(a) — General. The Permittee must submit the notifications in 40 CFR 40 CFR 63.7(b) and (c), 63.8(f)(4), and 63.9(b) through (e) and (h) that apply to the Permittee by the dates specified in these sections, except as provided in 40 CFR 63.3510, paragraphs (b) and (c).~~

~~(b) — Initial notification. The Permittee must submit the Initial Notification no later than the effective date of 40 CFR Part 63, Subpart KKKK.~~

~~(c) — Notification of compliance status. The Permittee must submit the Notification of Compliance Status required by 40 CFR 63.9(h) no later than 30 calendar days following the end of the initial compliance period described in 40 CFR 63.3520, 40 CFR 63.3530, 40 CFR 63.3540, or 40 CFR 63.3550 that applies to the affected source. The Notification of Compliance Status must contain the information specified in 40 CFR 63.3510, paragraphs (c)(1) through (9) and any additional information in 40 CFR 63.9(h).~~

~~D.1.16 Requirement to Submit a Significant Permit Modification Application [326 IAC 2-7-12][326 IAC 2-7-5]~~

~~The Permittee shall submit an application for a significant permit modification to IDEM, OAQ to include information regarding which compliance option or options will be chosen in the Part 70 permit.~~

~~(a) — The significant permit modification application shall be consistent with 326 IAC 2-7-12, including information sufficient for IDEM, OAQ to incorporate into the Part 70 permit the applicable requirements of 40 CFR 63, Subpart KKKK, a description of the affected source and activities subject to the standard, and a description of how the Permittee will meet the applicable requirements of the standard.~~

~~(b) — The significant permit modification application shall be submitted no later than twenty-seven months after the effective date of 40 CFR 63, Subpart KKKK.~~

~~(c) — The significant permit modification application shall be submitted to:~~

~~Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015~~

Comment 5:

Section C. 14. RMP is not applicable since there is not a regulated substance at the source at more than the threshold quantity.

Response to Comment 5:

The Risk Management Plan provision does not state that the Permittee has more than the threshold quantity of a regulated substance. The plan must be submitted if the Permittee were to meet or exceed the threshold at some time in the future. 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. The condition remains unchanged.

Comment 6:

Section C.15. Typographical correction, add the word “upon.” A CRP shall be submitted to IDEM *upon* request.

Response to Comment 6:

Based on the comment, this typographical error in Condition C.15 would be corrected. However, Condition C.15 Compliance Response Plan - Preparation, Implementation, Records, and Reports has been replaced with Response to Excursions or Exceedances. IDEM has reconsidered the requirement to develop and follow a Compliance Response Plan. The Permittee will still be required to take reasonable response steps when a compliance monitoring parameter is determined to be out of range or abnormal. Replacing the requirement to develop and follow a Compliance Response Plan with a requirement to take reasonable response steps will ensure that the control equipment is returned to proper operation as soon as practicable, while still allowing the Permittee the flexibility to respond to situations that were not anticipated. The changes to the condition are shown below.

C.14 ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~
Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

- ~~(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:~~
- ~~(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.~~
 - ~~(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.~~
- ~~(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:~~
- ~~(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or~~

- ~~(2) — If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.~~
- ~~(3) — If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.~~
- ~~(4) — Failure to take reasonable response steps shall be considered a deviation from the permit.~~
- ~~(c) — The Permittee is not required to take any further response steps for any of the following reasons:
 - ~~(1) — A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.~~
 - ~~(2) — The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.~~
 - ~~(3) — An automatic measurement was taken when the process was not operating.~~
 - ~~(4) — The process has already returned or is returning to operating within "normal" parameters and no response steps are required.~~~~
- ~~(d) — When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.~~
- ~~(e) — The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.~~
- ~~(f) — Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.~~

- (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.**

Comment 7:

Section C.17. (a)(1) and (2). 326 IAC 2-7-1(32) and 326 IAC 2-6-4 exempt all insignificant and trivial activities from reporting.

Response to Comment 7:

IDEM agrees with the Permittee. Pursuant to 326 IAC 2-7-1 (32) all the insignificant and trivial activities are exempt from reporting, unless otherwise required by the permit.

Comment 8:

Section D.1.11. (a) The baghouse cannot be opened to verify the placement, integrity, or particle loading of the baghouse. If the baghouse shuts down, all the surface coaters shut down automatically.

Section D.1.11. (a) There are no dry filters for the overspray from the surface coating.

Response to Comment 8:

The spray booths from the three (3) inside spray machine lines drain PM into a filtered 'box'. The resulting material is scraped from the box and disposed of as a non-hazardous substance. Furthermore, there are no individual stacks. Therefore, IDEM believes that daily external inspections are necessary and weekly inspections are not necessary. In addition, references to the Compliance Response Plan have been amended (See Response to Comment 6). Condition D.1.11(a) (renumbered as D.1.8(a)) is modified as shown below.

D.1.118 Monitoring

- (a) Daily **external** inspections shall be performed to verify the placement, integrity and particle loading of the baghouse. ~~To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever~~ **If** a condition exists which should result in a response step, **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 - ~~Compliance Monitoring Plan - Failure to Take Response Steps~~ **Response to Excursions or Exceedances**, shall be considered a ~~violation of~~ **deviation from** this permit.

Comment 9:

Section D.1.11. (b) Coating emissions have never been seen from any stacks. The ductwork is cleaned and inspected annually.

Response to Comment 9:

The demonstration of continuous compliance with particulate matter limitations are required by the Title V permit. OAQ has determined that the monitoring requirements listed in Condition D.1.11(b) (renumbered as D.1.8(b)) be changed to monthly ductwork cleaning and semi-annual inspections to demonstrate continuous compliance. In addition, references to the Compliance Response Plan have been amended (See Response to Comment 6). Condition D.1.11(b) (renumbered as D.1.8(b)) is modified as shown below.

- (b) **Monthly ductwork cleaning and semi-annual** ~~Monthly~~ inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. ~~The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for w~~**When there is** a noticeable change in overspray emissions, or **when** evidence of overspray emissions is observed, **the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances**. ~~The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step.~~ Failure to take response steps in accordance with Section C - ~~Compliance Monitoring Plan - Failure to Take Response Steps~~ **Response to Excursions or Exceedances**, shall be considered a ~~violation of~~ **deviation from** this permit.

Comment 10:

Section D.1.12 (a) Per condition D.1.12, the Permittee is required to keep a log of the temperatures. Although the compliance requirement could be based on a minimum 3-hr average, the monitoring requirement should be for a log of temperature readings. The readings should not have to be a print out of 3-hr averages, but of the temperature readings. Since, a strip chart of the temperatures is maintained at the facility, this could be used as the log. The strip chart prints out the instantaneous temperature at the side of the strip every hour. The strip chart records an instantaneous reading, not a calculated 3-hour average.

Section D.1.12 (a) Prior agency approved testing has shown compliance below 1300° F (degrees Fahrenheit.) The temperature stated in D.1.12. (a) should be changed from 1400°F to 1300°F.

Response to Comment 10:

The Permittee conducted performance testing on June 29 and June 30 of 2000. Since IDEM approved the test results indicating that compliance was shown below 1300° F (degrees Fahrenheit), the temperature stated in condition D.1.12. (renumbered as D.1.9) has been changed from 1400°F to 1300°F. The source may use a strip chart as a log and need not record as 3-hr averages when, and only when, the temperature of the thermal oxidizer is 1300 ° F or above. However, if there is a fluctuation in the temperature of thermal oxidizer and the temperature falls below 1300 ° F then the temperature must be recorded as a 3-hour average using the output of the strip chart. Therefore Condition D.1.12(a) (renumbered as D.1.9(a)) is modified as follows.

D.1.12 9 Thermal Oxidizer Temperature [40 CFR 64]

- (a) A continuous monitoring ~~system~~ **strip chart** shall be calibrated, maintained, and operated on the thermal oxidizer for measuring operating temperature. The output of this ~~system~~ **strip chart** shall be recorded ~~as 3-hr average~~ **continuously when the temperature of thermal oxidizer is maintained at or above 1300 ° F. If the temperature falls below 1300 ° F, the 3-hr average temperature must be recorded using data obtained from the strip chart until the temperature reaches 1300 ° F or above.** From the date of issuance of this permit until the approved stack test results are available, the Permittee shall take appropriate response steps in accordance with Section C - ~~Compliance Response Plan—Preparation, Implementation, Records and Reports~~ **Response to Excursions or Exceedances** whenever the 3-hr average temperature of thermal oxidizer is below ~~1400~~ **1300°F**.

Comment 11:

Section D.1.13 (a) (2) and (a) (7) The amount of coating and solvent less water, and the percent of non-volatiles (solids) each month are available on the VOC data sheets. The records for D.1.13 (a)(2)(A) and (B) are available. Item (a)(7) is not necessary.

Response to Comment 11

The Permittee shall maintain the VOC data sheets and make them available within 30 days of the end of each compliance period. Because the Permittee is not limiting particulate matter (PM), the percent of non-volatiles is not necessary to determine compliance with the permit conditions. Condition D.1.13 (a) (renumbered as D.1.10(a)) has been changed as shown below.

D.1.1310 Record Keeping Requirements

-
- (a) To document compliance with Conditions D.1.1(a), (b), D.1.2, and D.1.3, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Conditions D.1.1 (a), (b), D.1.2, and D.1.3. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
- (1) The VOC content of each coating material and solvent used.
 - (2) The amount of coating material and solvent used less water on monthly basis.
 - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.
 - (3) The volume weighted VOC content of the coatings used for each month;
 - (4) The cleanup solvent usage for each month;
 - (5) The total VOC usage for each month; **and**
 - (6) The weight of VOCs emitted for each compliance period; **and**
 - ~~(7) The percent of non-volatiles (solids) each month.~~

Comment 12:

Section D.1.13 (b) (renumbered D.1.10 (b.)) - Record Keeping Requirements. The baghouse cannot be opened to verify the placement, integrity, or particle loading of the baghouse. If the baghouse shuts down, all the surface coaters shut down automatically. Coating emissions have never been seen from any stacks. The ductwork is cleaned and inspected annually.

Response to Comment 12:

Upon further review, IDEM has determined that it is the Permittee's responsibility to include routine control device inspection requirements in the applicable preventive maintenance plan. Since the Permittee is in the best position to determine the appropriate frequency of control device inspections and the details regarding which components of the control device should be inspected, the requirement to keep records of the additional inspections has been removed. In addition, based on comments 8, 9, and 10, condition D.1.13 (b) and (c) (renumbered as D.1.10(b) and (c)) have been changed as shown below.

D.1.1310 Record Keeping Requirements

- (b) To document compliance with Condition D.1.14 **8**, the Permittee shall maintain a log of ~~weekly overspray observations, daily external inspections and semi-annual inspections and these additional inspections prescribed by the Preventive Maintenance Plan.~~
- (c) To document compliance with Condition ~~D.1.14~~ and D.1.42 **9**, the Permittee shall maintain a ~~log~~ **strip chart** of thermal oxidizer temperatures ~~and these additional inspections prescribed by the Preventive Maintenance Plan.~~

Comment 13:

Section D.1.2.(b) This formula is for the total source and is limited to less than 250 tons per 12 consecutive month period. For can making, the "+ (input VOC to end making)" needs to be removed from Section D.1.2 (b) and also removed from the Part 70 Quarterly report. Reference page 36. This formula is correct for the total source or PSD applicability on page 13 and 14 of the TSD.

The limit located on page 36 of the permit is for only the can making line. Since the end making is reported on Page 39 Part 70 Quarterly Report for End Making Line FE-36, the "+ (input VOC to end making)" should not be included in this formula. With the "+ (input VOC to end making,)" the formula is for the entire source with a limit of 250 tons.

Response to Comment 13:

IDEM agrees with the Permittee. The equation as found on page 14 of 18 of the TSD should be used to calculate the total VOC for PSD applicability. The total source VOC emissions are limited to less than 250 tons, since the VOC emissions from the end making line are limited to less than 25 tons per 12 consecutive month period as indicated on the Part 70 Quarterly Report and VOC emissions from the remainder of the source is limited to 223.3 tons per 12 consecutive month period as stated in Condition D.1.2(a). D.1.2(b) has been revised to indicate the correct equation to use when calculating the limit specified in D.1.2(a). The changes to D.1.2 are show shown below.

D.1.2 PSD Minor Limit [326 IAC 2-2]

(a) Pursuant to CP 181-5079-00022, issued on June 12, 1996 the use of VOC, including coatings, dilution solvents, and cleaning solvents at three (3) lithographic printing presses and overvarnish line PTR- 1 through 3 and three (3) inside spray machine lines ISM- 1 through 3 shall be less than 223.3 tons per 12 consecutive month period, after controls, with compliance determined at the end of each month.

(b) The overall control efficiencies shall be 51.5 % for three (3) printing presses and overvarnish and 73.5 % for three (3) inside spray machine lines. Compliance **with (a)** shall be determined based on the following equation:

$$\text{VOC emissions} = (\text{Input VOC emissions from to solvent cleaning operation}) + (\text{Input VOC from to, printing and overvarnish} \times (1 - \% \text{Control Efficiency})) + (\text{Input VOC from to inside spray} \times (1 - \% \text{Control Efficiency})) + (\text{input VOC to end making})$$

This usage limit is required to limit the potential to emit of VOC from **the entire source** to less than 250 tons per 12 consecutive month period. Compliance with this limit will render 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

The Part 70 Quarterly Report form has been changed as shown below.

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

Part 70 Quarterly Report

Source Name: Ball Metal Beverage Container Corporation
 Source Address: **501** North Sixth Monticello Indiana 47960
 Mailing Address: **501** North Sixth Monticello Indiana 47960
 Part 70 Permit No.: T181-17684-00022
 Facility: Three (3) lithographic printing presses and overvarnish lines PTR-1 through 3 and three (3) inside spray machine lines ISM-1 through 3
 Parameter: **VOC Emissions**
 Limit: The VOC emissions after controls shall be limited to less than 223.3 tons per 12 consecutive month period, after controls, with compliance determined at the end of each month, using the following formula:

$$\text{VOC emissions} = (\text{Input VOC emissions from to solvent}) + (\text{Input VOC from, to printing and overvarnish} \times (1 - \% \text{Control Efficiency})) + (\text{Input VOC from to inside spray} \times (1 - \% \text{Control Efficiency})) + (\text{input VOC to end making})$$

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report

TECHNICAL SUPPORT DOCUMENT

Comment 14:

TSD (1) A.2. on page 4 of 18. The last sentence should read 250 tons per year, not 250 tone per year.

Response to Comment 14:

IDEM, OAQ agrees with this comment. However, the OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

The last sentence of Condition A.2 found on page 4 of 18 the TSD should have appeared as follows:

Since increase in the potential to emit of VOC is less than PSD threshold of 250 tons per year for both VOC and PM/PM10, the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) does not apply to this increase. Currently the source has source wide VOC emissions less than 250 ~~tone~~ **tons** per year.

Comment 15:

TSD Potential to Emit page 8 and 9 of 18, and Appendix page 4 of 5 HAP Emissions. The Inside Spray HAPs calculations are in error. For purposes of this calculation for PTE the Weight % Glycol Ether should be 14.9%.

Response to Comment 15:

The OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

The Potential to Emit Table has been updated in this addendum to reflect the delisting of EGBE from USEPA's HAP list. The corrected Potential to emit table is shown below.

Process/emission unit	Potential to Emit (tons/year)						
	PM	PM-10	SO ₂	NO _x	VOC	CO	HAPs
PTR-CC3665	0.00	0.00	0.00	0.00	124.7	0.00	69.29 0.00
PTR-CC3665	0.00	0.00	0.00	0.00	3.44	0.00	2.42 0.00
Inside Spray	70.84	70.84	0.00	0.00	616.5	0.00	616.59 0.00
Solvent	0.00	0.00	0.00	0.00	13.91	0.00	0.00
End Line	0.00	0.00	0.00	0.00	29.99	0.00	0.00
Oxidizer	0.13	0.53	0.04	7.01	0.39	5.89	0.00
Printing	0.00	0.00	0.00	0.00	42.18	0.00	40.93 0.18
Total PTE	70.98	71.38	0.04	7.01	831.2	5.89	729.05 0.18

Comment 16:

Regarding the NESHAP Subpart KKKK Applicability determination section (b) found on page 12 of 18 of the TSD Federal Rule Applicability Section, is Table 5 the correct reference?

Response to Comment 16:

The OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

Based upon the USEPA's delisting of EGBE as a HAP on November 29, 2004, which became effective in The Indiana Register on December 1, 2005, the source is no longer a major source of HAPS. Therefore, the source is not subject to the requirements of 40 CFR 63, Subpart KKKK.

Comment 17:

Section D.1.10. Annual air testing checks have been used at the plant to confirm valid compliance demonstrations for the RTO performance and for capture. The RTO performance was confirmed by comparing the outlet total hydrocarbon (THC) concentration and the volumetric flow rate. The THC concentrations were measured simultaneously at the RTO inlet and the RTO outlet so that destruction efficiency could be determined. The total hydrocarbons were determined using Method 25A and the volumetric flow rates were determined per Methods 1 through 4. Additional monitoring and visual inspections were also being completed. Reference D.1.5. (a), (b)(1)(A), (b)(1)(B), (b)(1)(C), (b)(2)(A), and (b)(2)(B) of the TSD on page 5 and 6 of 18 or the current permit section D.1.10 (renumbered D.1.7) Testing Requirements. Please confirm date of requirement, since annual compliance demonstrations have been completed.

TSD Testing Requirements page 16 of 18.

Response to Comment 17:

The OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

Condition D.1.10 (renumbered D.1.7) Testing Requirements clearly states that the VOC control testing (as the product of destruction efficiency and capture efficiency) be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Regarding the testing dates, the capture and destruction efficiency test must be performed within 180 days after issuance of this renewal. Testing will be required at least once every five (5) years from the date of the most recent valid compliance demonstration. This condition does not mandate the Permittee to repeat testing annually. Testing shall be conducted in accordance with Section C-Performance Testing. See Revision 28 under changes made by IDEM below for revisions to condition D.1.10 (renumbered D.1.7).

Comment 18:

Appendix A Pages 1 through 5. Coatings listed are representative of similar coatings that can be used at this facility.

Response to Comment 18:

Appendix A calculations are based on worst case scenario of the coatings used at the facility. If the Permittee decides to use a coating which has VOCs and HAPs percentage less than or equal to the one used for Appendix A calculation, then Permittee can use those coatings without prior IDEM approval. If the Permittee decides to use a coating having higher percentage of VOCs and HAPs then, pursuant to 326 IAC 2-7-10.5 and 326 IAC 2-7-12, the Permittee should obtain a source modification and permit modification prior to using those coatings if the emissions increase is above the thresholds specified in 326 IAC 2-7-10.5.

Upon further review, IDEM also decided to make the following changes to the proposed permit.

Revision 1

The IDEM, OAQ address referenced throughout the permit has been updated as follows:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6045
Indianapolis, Indiana ~~46206-6045~~ **46204-2251**

Revision 2

The signature block on the first page of the Part 70 Operating permit has been updated to include the new Permits Branch Chief as the person signing the final permit as follows:

Operation Permit No.: T181-17684-00022	
Issued by: Janet G. McCabe, Assistant Commissioner Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: Expiration Date:

Revision 3

Since USEPA delisted EGBE from HAP list on November 29, 2004, the source is no longer a major source of HAPS. Condition A.1 has been revised as shown below:

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** aluminum based beverage can manufacturing and coating plant.

Responsible Official:	Ross A. Rittberg
Source Address:	501 North Sixth Street, Monticello, IN 47960
Mailing Address:	501 North Sixth Street, Monticello, IN 47960
General Source Phone Number:	765-584-6101
SIC Code:	3411
County Location:	White
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD Rules; Major Source, Section 112 of the Clean Air Act

Revision 4

The 326 IAC 6-3 revisions that became effective on June 12, 2002 were approved into the State Implementation Plan on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 (Process Operations) that had been part of the SIP; therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this source. Condition A.3 has been revised as shown below:

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

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

- (a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 [326 IAC 8-3-2];
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment [~~40 CFR 52 Subpart P~~ **326 IAC 6-3-2**]; and

- (c) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone [40 CFR 52-Subpart P 326 IAC 6-3-2].

Revision 5

Upon further review, IDEM has decided to include the following update to further address and clarify the permit term and the term of the conditions. This includes changes to Condition B.2 Permit Term, as shown below:

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, **T181-17684-00022**, 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.**

Revision 6

A statement was added to B.8 Certification in order to clarify that the certification form may cover more than one document that is submitted. Condition B.8 has been revised as shown below:

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~~ **The** responsible official is defined at 326 IAC 2-7-1(34).

Revision 7

In an IDEM Nonrule Policy Document, a table is given as an example for how sources can submit annual compliance certifications. B.9 Annual Compliance Certification is being revised to remove "in letter form" so that it does not contradict the guidance. The revised condition B.9 is shown below:

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 ~~in letter form~~ no later than July 1st of each year to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, ~~P.O. Box 6015~~
Indianapolis, Indiana ~~46206-6015~~ **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).

Revision 8

IDEM has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request, records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation. Therefore, IDEM has deleted paragraph (b) of Section B – Preventive Maintenance Plan condition as follows:

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- ~~(b) The Permittee shall implement the PMPs, including any required record keeping as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.~~
- ~~(c)~~ (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 does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- ~~(d)~~ (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.

Revision 9

IDEM has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request, records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation. The phone and the fax numbers listed in Emergency Provisions have been changed so that the OAQ's receptionist number is listed and the fax number for the compliance branch is listed. Therefore, IDEM has amended Condition B.11 Emergency Provisions condition as follows:

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: ~~317-233-5674~~ **317-233-0178** (ask for Compliance Section)
Facsimile Number: ~~317-233-5967~~ **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, ~~P. O. Box 6045~~
Indianapolis, Indiana ~~46206-6045~~ **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.

Revision 10

The word "in" will be removed from the second sentence to be consistent with 326 IAC 2-7-15(a). The revised condition B.12 Permit Shield is as follows:

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 in 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.

Revision 11

Upon further review, IDEM has decided to include the following updates to further address and clarify the permit term and the term of the conditions. Condition B.13 has been revised as shown below:

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

- (a) All terms and conditions of ~~previous~~ permits **established prior to T181-17684-00022 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**.~~by this permit.~~

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

Revision 12

Upon further review, IDEM has decided to include the following updates to further address and clarify the permit term and the term of the conditions. Condition B.16 has been revised as shown below:

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

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(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, P.O. Box 6015
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

- (b) ~~Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]~~

~~(1)~~ — A timely renewal application is one that is:

~~(A)~~ **(1)** Submitted at least nine (9) months prior to the date of the expiration of this permit; and

~~(B)~~ **(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.

~~(2)~~ — If IDEM, OAQ, upon receiving a timely and complete 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.

- (c) ~~Right to Operate After Application for Renewal [326 IAC 2-7-3]~~

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.

- ~~(d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]
If IDEM, OAQ fails to act in a timely way on a Part 70 permit renewal, the U.S.
EPA may invoke its authority under Section 505(e) of the Clean Air Act to
terminate or revoke and reissue a Part 70 permit.~~

Revision 13

Upon further review, IDEM has decided to remove (d) concerning nonroad engines from B.17 Permit Amendment or Modification. 40 CFR 89, Appendix A specifically indicates that states are not precluded from regulating the use and operation of nonroad engines, such as regulations on hours of usage, daily mass emission limits, or sulfur limits on fuel; nor are permits regulating such operations precluded, once the engine is no longer new. Condition B.17 has been revised as shown below:

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

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015 **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)]
- ~~(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.~~

Revision 14

IDEM has clarified the Condition B.19 Operational Flexibility condition as follows. A statement concerning backup fuel switches is also being added to B.19 Operational Flexibility.

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

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (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 ~~emissions allowable under~~ **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, P.O. Box 6015
Indianapolis, Indiana ~~46206-6015~~ **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, ~~on a rolling five (5) year basis~~, all such changes and emissions ~~trading trades~~ that are subject to 326 IAC 2-7-20(b), (c), or (e). ~~and makes~~ **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 ~~in emissions in at~~ the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (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.**

Revision 15

Indiana was required to incorporate credible evidence provisions into state rules consistent with the SIP call published by U.S. EPA in 1997 (62 FR 8314). Indiana has incorporated the credible evidence provision in 326 IAC 1-1-6. This rule is effective March 16, 2005; therefore, the older condition was replaced with the condition that reflects this as follows:

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

~~Notwithstanding the conditions of this permit that state specific methods that may be used to demonstrate compliance with, or a violation of, applicable requirements, any person (including the Permittee) may also use other credible evidence to demonstrate compliance with, or a violation of, any term or condition of this permit.~~ **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.**

Revision 16

Upon further review, IDEM has decided to include the following update to further address and clarify the permit term and the term of the conditions. Condition B.25, as shown below, has been added to the proposed permit.

B.25 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.**

Revision 17

The 326 IAC 6-3 revisions that became effective on June 12, 2002 were approved into the State Implementation Plan on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 (Process Operations) that had been part of the SIP; therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this source. Since the requirements of the 326 IAC 6-3-2(d) that were effective June 12, 2002 are now federally enforceable, the last statements from Condition C.1(b) has been removed. In addition, "Pounds" and "Hour" were capitalized in C.1. Condition C.1 has been revised as shown below:

- C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) ~~p~~Pounds per ~~h~~Hour ~~[40 CFR 52 Subpart P][326 IAC 6-3-2]~~
-
- (a) ~~Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.~~
- (b) 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. ~~This condition is not federally enforceable.~~

Revision 18

Condition C.4 Incineration has been revised as shown below:

- 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. ~~326 IAC 9-1-2 is not federally enforceable.~~

Revision 19

"OAQ" has been added in C.9(b) (renumbered C.7(b)) Performance Testing.

- C.97 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, ~~P.O. Box 6045~~
Indianapolis, Indiana ~~46206-6045~~ **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 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.

Revision 20

IDEM has added condition C.11 due to the monitoring requirements specified in Condition D.1.9.

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

- (a) **When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.**
- (b) **The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.**

Revision 21

Clarification has been added to (e) of C.19 General Reporting Requirements, for what calendar year means. Also, additional instructions are being added to address when recordkeeping shall be implemented if it is not already required. The revised condition C. 19, now renumbered C.18, is shown below:

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

- (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, P. O. Box 6045
Indianapolis, Indiana ~~46206-6045~~ **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) **The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.**

Revision 22

Upon further review, IDEM has revised the incorporation of New Source Performance Standards (NSPS) to more clearly state the requirements of Subpart WW. Accordingly, D.1.1(b) has been deleted and conditions D.1.12 and D.1.13 have been added (see Revision 31 for more information).

D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-3][40 CFR 60.492] [326 IAC 12]

- ~~(a)~~ Pursuant to 326 IAC 8-2-3(b), (Can Coating Operations), the operator of three (3) overvarnish lines PTR-1 through 3 and three (3) inside spray machine lines ISM-1 through 3, shall not cause, allow or permit the discharge into the atmosphere of any volatile organic compounds in excess of the following:

Coating	326 IAC 8-2-3 Limit (lb VOC/gal), less water
Interior Spray	4.2
Over Varnish	2.8

- ~~(b)~~ Pursuant to 326 IAC 12 and 40 CFR 60.492 (Subpart WW) the aluminum can beverage can coating operation shall not discharge VOC into the air in excess of the following:

Coating	Limit (pounds VOC per gallon coating solids)
Interior Spray	7.4
Over Varnish	3.8

Revision 23

The 326 IAC 6-3 revisions that became effective on June 12, 2002 were approved into the State Implementation Plan on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 (Process Operations) that had been part of the SIP; therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this source. Condition D.1.4 which contained these requirements has been removed.

~~D.1.4 Particulate Matter (PM) [40 CFR 52 Subpart P]~~

~~Pursuant to 40 CFR 52 Subpart P, the particulate matter (PM) from the three (3) inside spray machines shall be limited by the following:~~

~~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:~~

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

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

Revision 24

Upon further review, IDEM has revised condition D.1.6 (renumbered D.1.3) to clarify the applicability of 326 IAC 2-2 Prevention of Significant Deterioration to the end making line.

~~D.1.63 Volatile Organic Compounds (VOC) [326 IAC 8-1-6] [326 IAC 2-2]~~

~~Pursuant to CP 181-5079-00022, issued on June 12, 1996, the VOC content delivered to end making line shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period with compliance determined at the end of each month. Therefore, the best available control technology (BACT) requirement in 326 IAC 8-1-6 does not apply.~~

This usage limit is required to limit the potential to emit of VOC from the entire source to less than 250 tons per 12 consecutive month period. Compliance with this limit will render 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

Revision 25

The 326 IAC 6-3 revisions that became effective on June 12, 2002 were approved into the State Implementation Plan on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 (Process Operations) that had been part of the SIP; therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this source. Since the requirements of the 326 IAC 6-3-2(d) that were effective June 12, 2002 are now federally enforceable, the last statements from Condition D.1.7 (renumbered as D.1.4) has been removed.

~~D.1.74 Particulate [326 IAC 6-3-2(d)]~~

~~Pursuant to 326 IAC 6-3-2(d), particulate from the inside spray machines operations shall be controlled by a baghouse and the Permittee shall operate the control device in accordance with manufacturer's specifications. This requirement to operate the control is not federally enforceable.~~

Revision 26

Condition D.1.8(c) (renumbered D.1.5(c)) has been clarified as follows:

D.1.85 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 this facility and ~~any~~ **its emission** control devices.

Revision 27

Upon further review, IDEM has revised the incorporation of New Source Performance Standards (NSPS) to more clearly state the requirements of Subpart WW. Accordingly, D.1.9(b) (renumbered D.1.6(b)) has been deleted and conditions D.1.12 and D.1.13 have been created (see Revision 31 for more information).

D.1.96 Volatile Organic Compounds (VOC) [326 IAC 8-1-4] [326 IAC 8-1-2(a)] [40 CFR 60.493]

(a) ~~Compliance with the VOC content limitations contained in Conditions D.1.1 (a), D.1.2 and D.1.3 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4~~

(b) ~~Compliance with the VOC content and usage limitations contained in Condition D.1.1 (b) shall be determined pursuant to 40 CFR 60.493. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.~~

Revision 28

IDEM has revised condition D.1.10 (renumbered D.1.7) to incorporate the recent guidance document, Technical Support Document (TSD) for Title V Permitting of Printing Facilities, published February 2, 2005 and available at <http://www.epa.gov/ttn/oarpg/t5pgm.html>. Additionally, this condition has been clarified to require testing within 180 days after issuance of this permit. The revised condition D.1.10 (renumbered D.1.7) is shown below:

D.1.107 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

~~In order to demonstrate compliance with Condition D.1.2, VOC capture and destruction efficiency testing of~~ **Within one hundred and eighty (180) days after issuance of this permit, the Permittee shall perform VOC control efficiency (as the product of destruction efficiency and capture efficiency) required by condition D.1.2 for the thermal oxidizer utilizing methods as approved by the Commissioner. This-The destruction efficiency test shall be repeated at least once every five (5) years from the date of this the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.**

Revision 29

Upon further review, IDEM has determined that it is the Permittee's responsibility to include routine control device inspection requirements in the applicable preventive maintenance plan. Since the Permittee is in the best position to determine the appropriate frequency of control device inspections and the details regarding which components of the control device should be inspected, the conditions requiring control device inspections have been removed from the permit. In addition, the requirement to keep records of the inspections has been removed. Condition D.1.11(c) (renumbered D.1.8(c)) has been deleted.

D.1.118 Monitoring

- (c) ~~Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.~~

Revision 30

Since the three (3) inside spray machine lines, identified as ISM-1, ISM-2 and ISM-3, and three (3) lithographic printing presses for printing and over varnish, identified as PTR-1, PTR-2 and PTR-3 exhaust into one (1) natural gas-fired regenerative thermal oxidizer (RTO), identified as TO-1, IDEM believes that the Permittee is required to have weekly observations of the RTO stack rather than the monthly observation. Therefore, the Condition D.1.12 (d) (renumbered as D.1.9 (d)) has been changed.

D.1.12 9 Thermal Oxidizer Temperature [40 CFR 64]

- (d) The Permittee shall perform ~~monthly~~ **weekly** inspections of the control equipment structure including ductwork.

Revision 31

IDEM has added Conditions D.1.12 and D.1.13 to clarify the applicability requirements of Subpart WW to the source.

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

D.1.12 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1 for the three (3) lithographic printing presses for over varnish and the three (3) inside spray machine lines except as otherwise specified in 40 CFR Part 60, Subpart WW.
- (b) Pursuant to 40 CFR 60.10, the Permittee shall submit all required notifications and reports to:

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

D.1.13 Standards of Performance for the Beverage Can Surface Coating Industry Requirements [40 CFR Part 60, Subpart WW] [326 IAC 12]

Pursuant to 40 CFR Part 60, Subpart WW, the Permittee shall comply with the provisions of 40 CFR 60, Subpart WW, Standards of Performance for the Beverage Can Surface Coating Industry for the three (3) lithographic printing presses for over varnish and the three (3) inside spray machine lines as specified as follows.

§ 60.490 Applicability and designation of affected facility.

(a) The provisions of this subpart apply to the following affected facilities in beverage can surface coating lines: each exterior base coat operation, each overvarnish coating operation, and each inside spray coating operation.

(b) The provisions of this subpart apply to each affected facility which is identified in paragraph (a) of this section and commences construction, modification, or reconstruction after November 26, 1980.

§ 60.491 Definitions.

(a) All terms which are used in this subpart and are not defined below are given the same meaning as in the Act and subpart A of this part.

(1) *Beverage can* means any two-piece steel or aluminum container in which soft drinks or beer, including malt liquor, are packaged. The definition does not include containers in which fruit or vegetable juices are packaged.

(2) *Exterior base coating operation* means the system on each beverage can surface coating line used to apply a coating to the exterior of a two-piece beverage can body. The exterior base coat provides corrosion resistance and a background for lithography or printing operations. The exterior base coat operation consists of the coating application station, flashoff area, and curing oven. The exterior base coat may be pigmented or clear (unpigmented).

(3) *Inside spray coating operation* means the system on each beverage can surface coating line used to apply a coating to the interior of a two-piece beverage can body. This coating provides a protective film between the contents of the beverage can and the metal can body. The inside spray coating operation consists of the coating application station, flashoff area, and curing oven. Multiple applications of an inside spray coating are considered to be a single coating operation.

(4) *Overvarnish coating operation* means the system on each beverage can surface coating line used to apply a coating over ink which reduces friction for automated beverage can filling equipment, provides gloss, and protects the finished beverage can body from abrasion and corrosion. The overvarnish coating is applied to two-piece beverage can bodies. The overvarnish coating operation consists of the coating application station, flashoff area, and curing oven.

(5) *Two-piece can* means any beverage can that consists of a body manufactured from a single piece of steel or aluminum and a top. Coatings for a two-piece can are usually applied after fabrication of the can body.

(6) VOC content means all volatile organic compounds (VOC) that are in a coating. VOC content is expressed in terms of kilograms of VOC per liter of coating solids.

(b) Notations used under §60.493 of this subpart are defined below:

C_a =the VOC concentration in each gas stream leaving the control device and entering the atmosphere (parts per million as carbon)

C_b =the VOC concentration in each gas stream entering the control device (parts per million as carbon)

D_c =density of each coating, as received (kilograms per liter)

D_d =density of each VOC-solvent added to coatings (kilograms per liter)

D_r =density of VOC-solvent recovered by an emission control device (kilograms per liter)

E =VOC destruction efficiency of the control device (fraction)

F =the proportion of total VOC emitted by an affected facility which enters the control device to total emissions (fraction)

G =the volume-weighted average of VOC in coatings consumed in a calendar month per volume of coating solids applied (kilograms per liter of coating solids)

H_e =the fraction of VOC emitted at the coater and flashoff areas captured by a collection system

H_h =the fraction of VOC emitted at the cure oven captured by a collection system

L_c =the volume of each coating consumed, as received (liters)

L_d =the volume of each VOC-solvent added to coatings (liters)

L_r =the volume of VOC-solvent recovered by an emission control device (liters)

L_s =the volume of coating solids consumed (liters)

M_d =the mass of VOC-solvent added to coatings (kilograms)

M_o =the mass of VOC-solvent in coatings consumed, as received (kilograms)

M_r =the mass of VOC-solvent recovered by emission control device (kilograms)

N =the volume-weighted average mass of VOC emissions to atmosphere per unit volume of coating solids applied (kilograms per liter of coating solids)

Q_a =the volumetric flow rate of each gas stream leaving the control device and entering the atmosphere (dry standard cubic meters per hour)

Q_b =the volumetric flow of each gas stream entering the control device (dry standard cubic meters per hour)

R=the overall emission reduction efficiency for an affected facility (fraction)

S_o =the fraction of VOC in coating and diluent VOC-solvent emitted at the coater and flashoff area for a coating operation

S_h =the fraction of VOC in coating and diluent solvent emitted at the cure oven for a coating operation

V_s =the proportion of solids in each coating, as received (fraction by volume)

W_o =the proportion of VOC in each coating, as received (fraction by weight).

§ 60.492 Standards for volatile organic compounds.

On or after the date on which the initial performance test required by §60.8(a) is completed, no owner or operator subject to the provisions of this subpart shall discharge or cause the discharge of VOC emissions to the atmosphere that exceed the following volume-weighted calendar-month average emissions:

(a) 0.29 kilogram of VOC per litre of coating solids from each two-piece can exterior base coating operation, except clear base coat;

(b) 0.46 kilogram of VOC per litre of coating solids from each two-piece can clear base coating operation and from each overvarnish coating operation; and

(c) 0.89 kilogram of VOC per litre of coating solids from each two-piece can inside spray coating operation.

§ 60.493 Performance test and compliance provisions.

(a) Section 60.8(d) does not apply to monthly performance tests and §60.8(f) does not apply to the performance test procedures required by this subpart.

(b) The owner or operator of an affected facility shall conduct an initial performance test as required under §60.8(a) and thereafter a performance test each calendar month for each affected facility.

(1) The owner or operator shall use the following procedures for each affected facility that does not use a capture system and a control device to comply with the emission limit specified under §60.492. The owner or operator shall determine the VOC-content of the coatings from formulation data supplied by the manufacturer of the coating or by an analysis of each coating, as received, using Method 24. The Administrator may require the owner or operator who uses formulation data supplied by the manufacturer of the coating to determine the VOC content of coatings using Method 24 or an equivalent or alternative method. The owner or operator shall determine from company records the volume of coating and the mass of VOC-solvent added to coatings. If a common coating distribution system serves more than one affected facility or serves both affected and existing facilities, the owner or operator shall estimate the volume of coating used at each facility by using the average dry weight of coating, number of cans, and size of cans being processed by each affected and existing facility or by other procedures acceptable to the Administrator.

(i) Calculate the volume-weighted average of the total mass of VOC per volume of coating solids used during the calendar month for each affected facility, except as provided under paragraph (b)(1)(iv) of this section. The volume-weighted average of the total mass of VOC per volume of coating solids used each calendar month will be determined by the following procedures.

(A) Calculate the mass of VOC used ($M_o + M_d$) during the calendar month for the affected facility by the following equation:

$$M_o + M_d = \sum_{i=1}^n L_{ci} D_{ci} W_{oi} + \sum_{j=1}^m L_{dj} D_{dj}, \quad (1)$$

$[\sum L_{dj} D_{dj}$ will be 0 if no VOC solvent is added to the coatings, as received.] where n is the number of different coatings used during the calendar month and m is the number of different diluent VOC-solvents used during the calendar month.

(B) Calculate the total volume of coating solids used (L_s) in the calendar month for the affected facility by the following equation:

$$L_s = \sum_{i=1}^n L_{ci} V_{si}, \quad (2)$$

where n is the number of different coatings used during the calendar month.

(C) Calculate the volume-weighted average mass of VOC per volume of solids used (G) during the calendar month for the affected facility by the following equation:

$$G = \frac{M_o + M_d}{L_s} \quad (3)$$

(ii) Calculate the volume-weighted average of VOC emissions discharged to the atmosphere (N) during the calendar month for the affected facility by the following equation:

$$N = G \quad (4)$$

(iii) Where the value of the volume-weighted average mass of VOC per volume of solids discharged to the atmosphere (N) is equal to or less than the applicable emission limit specified under §60.492, the affected facility is in compliance.

(iv) If each individual coating used by an affected facility has a VOC content equal to or less than the limit specified under §60.492, the affected facility is in compliance provided no VOC-solvents are added to the coating during distribution or application.

§ 60.495 Reporting and recordkeeping requirements.

(a) The owner or operator of an affected facility shall include the following data in the initial compliance report required under §60.8(a).

(1) Where only coatings which individually have a VOC content equal to or less than the limits specified under §60.492 are used, and no VOC is added to the coating during the application or distribution process, the owner or operator shall provide a list of the coatings used for each affected facility and the VOC content of each coating calculated from data determined using Method 24 or supplied by the manufacturers of the coatings.

(2) Where one or more coatings which individually have a VOC content greater than the limits specified under §60.492 are used or where VOC are added or used in the coating process, the owner or operator shall report for each affected facility the volume-weighted average of the total mass of VOC per volume of coating solids.

(b) Following the initial performance test, each owner or operator shall identify, record, and submit quarterly reports to the Administrator of each instance in which the volume-weighted average of the total mass of VOC per volume of coating solids, after the control device, if capture devices and control systems are used, is greater than the limit specified under §60.492. If no such instances occur during a particular quarter, a report stating this shall be submitted to the Administrator semiannually.

(d) Each owner or operator subject to the provisions of this subpart shall maintain at the source, for a period of at least 2 years, records of all data and calculations used to determine VOC emissions from each affected facility in the initial and monthly performance tests. Where compliance is achieved through the use of thermal incineration, each owner or operator shall maintain, at the source, daily records of the incinerator combustion chamber temperature. If catalytic incineration is used, the owner or operator shall maintain at the source daily records of the gas temperature, both upstream and downstream of the incinerator catalyst bed. Where compliance is achieved through the use of a solvent recovery system, the owner or operator shall maintain at the source daily records of the amount of solvent recovered by the system for each affected facility.

(e) The requirements of this section remain in force until and unless EPA, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such State. In that event, affected facilities within the State will be relieved of the obligation to comply with this subsection, provided that they comply with the requirements established by the State.

60.496 Test methods and procedures.

(a) The reference methods in appendix A to this part, except as provided in §60.8, shall be used to conduct performance tests.

(1) Method 24, an equivalent or alternative method approved by the Administrator, or manufacturers' formulation data from which the VOC content of the coatings used for each affected facility can be calculated. In the event of a dispute, Method 24 data shall govern. When VOC content of water-borne coatings, determined from data generated by Method 24, is used to determine compliance of affected facilities, the results of the Method 24 analysis shall be adjusted as described in Section 12.6 of Method 24.

(b) For Method 24, the coating sample must be a 1-litre sample collected in a 1-litre container at a point where the sample will be representative of the coating material.

(d) Each owner or operator subject to the provisions of this subpart shall maintain at the source, for a period of at least 2 years, records of all data and calculations used to determine VOC emissions from each affected facility in the initial and monthly performance tests. Where compliance is achieved through the use of thermal incineration, each owner or operator shall maintain, at the source, daily records of the incinerator combustion chamber temperature. If catalytic incineration is used, the owner or operator shall maintain at the source daily records of the gas temperature, both upstream and downstream of the incinerator catalyst bed. Where compliance is achieved through the use of a solvent recovery system, the owner or operator shall maintain at the source daily records of the amount of solvent recovered by the system for each affected facility.

(e) The requirements of this section remain in force until and unless EPA, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such State. In that event, affected facilities within the State will be relieved of the obligation to comply with this subsection, provided that they comply with the requirements established by the State.

Revision 32

The 326 IAC 6-3 revisions that became effective on June 12, 2002 were approved into the State Implementation Plan on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 (Process Operations) that had been part of the SIP; therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this source. The rule cite in the facility description box under Permit section D.2 has been revised as shown below:

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

- (a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment [~~40 CFR 52 Subpart P 326 IAC 6-3-2~~]; and
- (c) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone [~~40 CFR 52 Subpart P 326 IAC 6-3-2~~].

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

Revision 33

Since the process weight rate throughput associated with the Insignificant manufacturing activities (brazing equipment, cutting torches, soldering equipment, welding equipment) is less than 100 pounds per hour, the condition has been revised as follows:

D.2.2 Particulate Matter (PM) [326 IAC 6-3-2]

~~Pursuant to 326 IAC 6-3-2, the particulate matter emissions from the brazing equipment, cutting torches, soldering equipment, welding equipment and trimming operations shall not exceed the pound per hour emission rate established as E in the following formula:~~

~~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~~

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. This limit applies to the following insignificant activities:

- (a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.**
- (b) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone.**

Revision 34

The Condition numbering, table of contents and page numbering have been modified to reflect the removal of Condition C.6 Operation of Equipment, C.7 Stack Height D.1.15 Notification Requirements, D.1.16 Requirement to Submit a Significant Permit Modification Application and 40 CFR 63, Subpart KKKK requirements from the proposed permit.

Revision 35

The Part 70 Operating Permit Certification form has been changed as shown below.

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

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Ball Metal Beverage Container Corporation
Source Address: 501 North Sixth Monticello Indiana 47960
Mailing Address: 501 North Sixth Monticello Indiana 47960
Part 70 Permit No.: T181-17684-00022

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:

Revision 36

The Part 70 Operating Permit Emergency Occurrence Report form page 1 of 2 has been changed as shown below.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana ~~46206-6015~~ 46204-2251
Phone: 317-233-~~5674~~ 0178
Fax: 317-233-~~5967~~ 6865**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Ball Metal Beverage Container Corporation
Source Address: **501** North Sixth Monticello Indiana 47960
Mailing Address: **501** North Sixth Monticello Indiana 47960
Part 70 Permit No.: T181-17684-00022

This form consists of 2 pages

Page 1 of 2

<input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none">C The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674 0178, ask for Compliance Section); andC The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-5967 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:

Revision 37

The Part 70 Quarterly Report form has been changed as shown below.

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

Part 70 Quarterly Report

Source Name: Ball Metal Beverage Container Corporation
Source Address: **501** North Sixth Monticello Indiana 47960
Mailing Address: **501** North Sixth Monticello Indiana 47960
Part 70 Permit No.: T181-17684-00022
Facility: End making line, FE-36.
Parameter: **VOC Usage**
Limit: The usage of VOC shall be limited to less than 25 tons per 12 consecutive month period, with compliance determined at the end of each month.

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

Revision 38

The Part 70 Operating Permit Quarterly Deviation and Compliance Monitoring Report form Page 1 of 2 has been changed as shown below.

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

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

Source Name: Ball Metal Beverage Container Corporation
Source Address: 501 North Sixth Monticello Indiana 47960
Mailing Address: 501 North Sixth Monticello Indiana 47960
Part 70 Permit No.: T181-17684-00022

Months: _____ to _____ Year: _____

Page 1 of 2

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 this permit, shall be reported according to the schedule stated in the applicable requirement and do 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:	

**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:	Ball Metal Beverage Container Corporation
Source Location:	501 N. 6th Street Monticello IN 47960
County:	White
SIC Code:	3411
Operation Permit No.:	181-7548-00022
Operation Permit Issuance Date:	April 15, 1999
Permit Renewal No.:	181-17684-00022
Permit Reviewer:	Rajesh Thotakura / EVP

The Office of Air Quality (OAQ) has reviewed a Part 70 Operating Permit Renewal application from Ball Metal Beverage Container Corporation relating to the operation of aluminum based beverage can manufacturing and coating plant.

Permitted Emission Units and Pollution Control Equipment

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

- (a) Three (3) lithographic printing presses for printing and over varnish, constructed in 1993 and identified as PTR-1, PTR-2 and PTR-3, each with a maximum capacity of 150,000 cans per hour, with three natural gas-fired drying ovens (PO-1, PO-2 and PO-3), each rated at 3.72 MMBtu/hr, and exhausting to the thermal oxidizer.
- (b) One (1) natural gas-fired regenerative thermal oxidizer, constructed in 1988 and identified as TO-1, rated at 16.0 MMBtu/hr, exhausting to stack TO-1.
- (c) Three (3) inside spray machine lines, constructed in 1993 and identified as ISM-1, ISM-2 and ISM-3, each consisting of six machines, each using airless application systems with a baghouse for particulate filtering, each with a coating capacity of 150,000 cans per hour, with three natural gas-fired drying ovens (ISO-1, ISO-2 and ISO-3), each rated at 6.0 MMBtu/hr, and each exhausting to the thermal oxidizer, TO-1.
- (d) One (1) end making line, constructed in 1992 and identified as FE 36, with a maximum capacity of 540,000 ends per hour, with no controls and exhausting to atmosphere.

Note: The maximum capacities are not limits, but are parameters necessary to determine rule applicability

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted emission units 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) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour.
- (b) Combustion source flame safety purging on startup.
- (c) Vessels storing lubricating oils, hydraulic oils, machining oils and machining fluids.
- (d) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings.
- (e) Machining where an aqueous cutting coolant continuously floods the machining surface.
- (f) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.[326 IAC 8-3-2]
- (g) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [40 CFR 52 Subpart P]
- (h) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
- (i) Forced and induced draft cooling tower system not regulated under a NESHAP.
- (j) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (k) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone. [40 CFR 52 Subpart P]
- (l) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures or vehicles at the source where air emissions from those activities would not be associated with any production process.
- (m) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks and fluid handling equipment.
- (n) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling towers.
- (o) Stationary fire pumps.
- (p) Filter or coalescer media changeout.
- (q) One (1) 9,500 gallon storage tank holding waterbased overvarnish coating TOV-1. Emissions are less than 1 ton per year of any HAP or VOC.
- (r) One (1) 6,800 gallon storage tank holding washer chemical TWC-1. Emissions are less than 1 ton per year of any HAP or VOC.

- (s) One (1) 8,800 gallon storage tank holding washer chemical TWC-1. Emissions are less than 1 ton per year of any HAP or VOC.
- (t) One (1) 6,000 gallon storage tank holding synthetic lube TLUB-1. Emissions are less than 1 ton per year of any HAP or VOC.
- (u) Two (2) 10,200 gallon storage tanks holding waterbased inside spray coating TIS-1 and TIS-2. Emissions are less than 1 ton per year of any HAP or VOC.
- (v) Two (2) can washers W-1 and W-2 that emit less than 1 ton per year hydrogen fluoride.
- (w) Three (3) DRT Conversion Presses and one (1) Stolle Conversion Press with tab making. VOCs from tab lube less than 15 lbs per day.
- (x) Eight (8) Preferred Compounds Liners using waterbased compound.

Existing Approvals

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

- (a) Part 70 permit no. T181-7548-00022, issued on April 15, 1999;
- (b) First significant permit modification no. 181-11848-00022, issued on May 1, 2000;
- (c) First part 70 re-opening no. 181-13537-00022, issued on November 1, 2001; and

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

The following terms and conditions from previous approvals have been revised in this Part 70 permit:

- (1) Part 70 permit No. T181-7548-00022, issued on April 15, 1999, Condition A.2:
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:

- ~~(1) One (1) basecoater, identified as BC-1, using a roll coating application system, with a maximum capacity of 126,000 cans/hr, with one natural gas-fired drying oven (BO-1), rated at 3.72 MMBtu/hr, and exhausting to the thermal oxidizer.~~
- (2) Three (3) lithographic printing presses for printing and over varnish, identified as PTR-1, PTR-2 and PTR-3, each with a maximum capacity of 150,000 cans per hour, with three natural gas-fired drying ovens (PO-1, PO-2 and PO-3), each rated at 3.72 MMBtu/hr, and exhausting to the thermal oxidizer.
- (3) One (1) natural gas-fired regenerative thermal oxidizer, identified as TO-1, rated at 16.0 MMBtu/hr, exhausting to stack TO-1.

- (4) Three (3) inside spray machine lines, identified as ISM-1, ISM-2 and ISM-3, each consisting of six machines, each using airless application systems with a baghouse for particulate filtering, each with a coating capacity of 150,000 cans per hour, with three natural gas-fired drying ovens (ISO-1, ISO-2 and ISO-3), each rated at 6.0 MMBtu/hr, and each exhausting to the thermal oxidizer, TO-1.
- (5) One (1) end making line, identified as FE 36, with a maximum capacity of ~~480,000~~ **540,000** ends per hour, with no controls and exhausting to atmosphere.

Reason changed: Item (1) is removed from this renewal because the source removed basecoater, identified as BC-1, from the plant. The production limit from end making lines, Condition (5), has been changed from 480,000 to 540,000, because the source has planned to increase the production limit from 480,000 ends per hour to 540,000 ends per hour, in this renewal.

The increase in the capacity of end lines from 480,000 ends per hour to 540,000 ends per hour will result in the increase in the potential to emit of VOC by 3.33 tons per year. Since increase in the potential to emit of VOC is less than PSD threshold of 250 tons per year for both VOC and PM/PM10, the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) does not apply to this increase. Currently the source has source wide VOC emissions less than 250 tone per year.

- (2) Part 70 permit No. T181-7548-00022, issued on April 15, 1999, Condition D.1.1:

D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-3][40 CFR 60.492]

- (a) Pursuant to 326 IAC 8-2-3(b), (Can Coating Operations), no owner or operator of a can coating line may cause, allow or permit the discharge into the atmosphere of any volatile organic compounds in excess of the following:

Coating	326 IAC 8-2-3 Limit (lb VOC/gal), less water
Interior Spray	4.2
Exterior Base Coat	2.8
Over Varnish	2.8

- (b) Pursuant to 326 IAC 12 and 40 CFR 60.492 (Subpart WW) the aluminum can beverage can coating operation shall not discharge VOC into the air in excess of the following:

Coating	Limit (pounds VOC per gallon coating solids)
Interior Spray	7.4
Exterior Base Coat	2.4
Over Varnish	3.8

- (c) That the input VOC to the basecoat, printing and overvarnish line, the input VOC to the inside spray line and the usage of cleanup solvents shall be limited by an amount, as shown by the following equation, to prevent the VOC emissions from these processes being greater than 223.3 tons per year.

(VOC from solvent cleaning operation) + (input VOC to basecoat, printing and overvarnish x (1-%control efficiency)) + (input VOC to inside spray x (1-%control efficiency)) < 223.3 tons/year

This limitation is based upon the use of a thermal oxidizer with an overall control efficiency of 47.5 % for the basecoating, printing and overvarnish process and 66.5 % for the inside spray process.

Reason Changed: The condition D.1.1 is a combination of different regulations 326 IAC 8-2-3, 40 CFR 60.492 and 326 IAC 2-2. In this part 70 renewal permit, the condition has been split into two different conditions D.1.1 and D.1.2. Condition D.1.1 addresses 326 IAC 8-2-3 (can coating operations) and 40 CFR 60.492 (Subpart WW) and condition D.1.2 addresses PSD minor limit (326 IAC 2-2).

In the initial Part 70 permit No. T181-7548-00022, the overall control efficiencies were 47.5 % for printing and overvarnish operation and 66.5 % for inside spray operation. These control efficiencies are incorrect. With these control efficiencies, the source will be a major stationary source for the PSD purpose as the potential to emit VOC will be greater than 250 tons per year. To render PSD not applicable, the overall control efficiencies have been corrected to 51.5 % for printing and overvarnish and 73.5 % for inside spray.

The actual overall control efficiencies of the thermal oxidizer, based on the performance test results conducted on June 29 and 30 of 2000, are 61.97 % for printing and overvarnish and 86.48 % for inside spray operations. However, for flexibility purposes the source is claiming 51.5 % control efficiency for printing and overvarnish and 73.5 % control efficiency for inside spray operations.

- (3) First significant permit modification no. 181-11848-00022, issued on May 1, 2000, Condition D.1.5:

D.1.5 Testing Requirements

~~(a) Within six (6) months from the date of January 28, 2000, Ball Metal Beverage Container Corp. will perform VOC capture and destruction efficiency testing of the thermal oxidizer according to 326 IAC 3-6 (Source Sampling Procedures) using the methods specified in the rule or as approved by the Commissioner. IDEM reserves the authority to require compliance testing in accordance with 326 IAC 2-1.1-11.~~

~~(b) Upon completion of the stack testing referred in condition D.1.5(a), Ball Metal Beverage Container Corp. will:~~

~~(1) For destruction:~~

~~(A) Continuously record and retain records of oxidizer chamber temperature (^oF), fan speed (rpm), and fan motor (amps);~~

~~(B) Inspect the oxidizer dampers and gaskets at a frequency not to exceed fourteen months from the last inspection; and~~

~~(C) Monitor oxidizer outlet VOC concentration annually.~~

~~(2) For capture:~~

- (A) ~~Conduct an external visual inspection of all duct work leading from the emission units to the oxidizer at a frequency of once per month; and~~
- (B) ~~Measure VOC concentration, flow rate and direction of captured air at emission pick up points annually.~~

In order to demonstrate compliance with Condition D.1.2, the Permittee shall perform VOC capture and destruction efficiency testing of the thermal oxidizer 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.

Reason Changed: Changed this condition in part 70 renewal because the source performed initial testing on June 29 and June 30 of 2000. IDEM approved the initial test results. The source will still be subject to the monitoring requirements for the thermal oxidizer.

- (4) Part 70 permit No. T181-7548-00022, issued on April 15, 1999, Condition D.1.8:

D.1.8 Particulate Matter (PM)

Pursuant to CP181-5079-00022, issued on June 12, 1996, the overspray from the inside spray machines shall be considered in compliance provided that the overspray is not:

- (a) visibly detectable at the exhaust;
- (b) detectable on the rooftops; and
- (c) detectable on the ground.

Reason Changed: Updated Condition D.1.8 to reflect the current model permit changes.

- (5) Part 70 permit No. T181-7548-00022, issued on April 15, 1999, Condition D.1.9:

D.1.9 Monitoring

- (a) ~~The regenerative thermal oxidizer and the fans moving the exhaust fumes from the can coating operation to the thermal oxidizer shall all be in operation sufficiently when one or more of the can coating facilities is operated, except during periods of preventive maintenance (PM), provided that the VOC limits described in D.1.1 and reporting requirements described in D.1.9 are satisfied.~~
- (b) ~~The fans shall operate within a fan amperage range, as determined by the most recent test, that is demonstrated to achieve a minimum 95% destruction of the VOCs captured and a minimum 50% capture efficiency for each of the basecoating, printing and overvarnish operations and a minimum 70% capture efficiency for inside spray application systems.~~
- (c) ~~The regenerative thermal oxidizer shall operate at a minimum temperature of 1400°F or a temperature that is demonstrated to achieve a minimum 95% destruction of the VOCs captured and a minimum 50% capture efficiency for each of the basecoating, printing and overvarnish operations and a minimum 70% capture efficiency for inside spray application systems.~~

- ~~(b) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.~~

Reason Changed: The condition (b) for measuring duct pressure or fan amperage is removed from this renewal. The following is the explanation for removing this condition.

The exhaust fan is a variable speed controlled AC drive. The fan speed and therefore; the fan amperage are controlled by the input load which includes the process fumes, the inlet static pressures within the process ductwork, the input voltage, and any other fan load factors. Also, ambient weather conditions affect the fan amperage, since it is the static pressure reference, including temperature and humidity. Therefore it is not possible to determine exact fan amperage range.

The static pressure can be affected by any of the blowers discharging to the ductwork running or shutdown. All the lines i.e. three (3) lithographic printing presses for printing and over varnish line, three (3) inside spray machine lines are connected to thermal oxidizer. As most of the lines do not simultaneously operate i.e. for example, if the plant is operating two (ISM) inside spray lines and the accompanying ovens (ISO), and a third (ISM) inside spray line and accompanying oven (ISO) is shutdown, then the fan static pressure is lowered resulting in a lower fan amperage. Therefore, it is not possible to determine exact duct pressure range.

Hence, the condition for measuring duct pressure or fan amperage is removed from this renewal. Also updated Condition D.1.9 to reflect the recent changes in the rule 326 IAC 6-3-2.

D.1.12 Thermal Oxidizer Temperature [40 CFR 64]

- (a) A continuous monitoring system shall be calibrated, maintained, and operated on the thermal oxidizer for measuring operating temperature. The output of this system shall be recorded as 3-hr average. From the date of issuance of this permit until the approved stack test results are available, the Permittee shall take appropriate response steps in accordance with Section C - Compliance Response Plan – Preparation, Implementation, Records and Reports whenever the 3-hr average temperature of thermal oxidizer is below 1400°F.**
- (b) The Permittee shall determine the hourly average temperature from the most recent valid stack test that demonstrates compliance with limits in conditions D.1.2, as approved by IDEM.**
- (c) On and after the date the approved stack test results are available, the Permittee shall operate the thermal oxidizer at or above the hourly average temperature as observed during the compliant stack test.**
- (d) The Permittee shall perform monthly inspections of the control equipment structure including ductwork.**

Reason Added: Pursuant to 40 CFR 64 and 326 IAC 2-2 (PSD Minor Limit), new Condition D.1.12 is added to this renewal. This condition will enable the source to be in compliance with the requirements of 40 CFR 64 (CAM) and 326 IAC 2-2 (PSD Minor Limit)

Enforcement Issue

There are no enforcement actions pending.

Recommendation

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

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

An administratively complete Part 70 permit renewal application for the purposes of this review was received on June 24, 2003. Additional information was received April 16, 2004, May 4, 11 13, and 14, 2004.

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

Emission Calculations

See Appendix A of this document for detailed emissions calculations (five (5) pages).

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 April 15, 1999. The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered enforceable only after issuance of the original Part 70 operating Permit and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/emission unit	Potential to Emit (tons/year)						
	PM	PM-10	SO ₂	NO _x	VOC	CO	HAPs
PTR-CC3665	0.00	0.00	0.00	0.00	124.7	0.00	69.29
PTR-CC3665	0.00	0.00	0.00	0.00	3.44	0.00	2.42
Inside Spray	70.84	70.84	0.00	0.00	616.5	0.00	0.00
Solvent	0.00	0.00	0.00	0.00	13.91	0.00	0.00
End Line	0.00	0.00	0.00	0.00	29.99	0.00	0.00
Oxidizer	0.13	0.53	0.04	7.01	0.39	5.89	0.00
Printing	0.00	0.00	0.00	0.00	42.18	0.00	40.93
Total PTE	70.98	71.38	0.04	7.01	831.2	5.89	112.64

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of VOC is equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is equal to or greater than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (c) Fugitive Emissions
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD applicability.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2002 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	3.33
PM-10	2.93
SO ₂	0.05
VOC	84.69
CO	7.14
NO _x	8.5
Lead	0.00004

County Attainment Status

The source is located in White County.

Pollutant	Status
PM-10	Attainment
SO ₂	Attainment
NO ₂	Attainment
Ozone	Attainment
CO	Attainment
Lead	Not Designated

- (a) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC emissions and NOx are considered when evaluating the rule applicability relating to the ozone standards. White County has been designated as attainment or unclassifiable for the ozone standards. Therefore, VOC emissions and NOx 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.
- (b) White County has been classified as attainment or unclassifiable for all criteria pollutants. 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.

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 assume that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Federal Rule Applicability

- (a) This source is subject to the New Source Performance Standard, 326 IAC 12, (40 CFR 60.490, Subpart WW), Standards of Performance for the Beverage Can Surface Coating Industry because this source performs over varnish coating operations and inside spray coating operations in the manufacturing of beverage cans and was constructed after November 26, 1980. Pursuant to this rule, the beverage can coating operation shall not discharge VOC into the atmosphere in excess of the following volume-weighted monthly averages:

Coating Operation	Limit (pounds VOC per gallon coating solids)
Interior Spray	7.4
Over Varnish Coat	3.8

These emission limits shall be verified during the performance tests using the test procedures outlined in 40 CFR 60.493. Further records shall be kept and reports

submitted pursuant to 40 CFR 60.495. The source performed test on June 29, 2000 and June 30, 2000.

A summary of the pounds of VOC per gallon coating solids for each coating used in the aluminum can coating operation is shown in the table below.

Coating	lb VOC per Gallon Coating Solids (before controls)	lb VOC per Gallon Coating Solids (after controls)	Subpart WW Limit (lb VOC per Gallon Coating Solids)
Interior Spray	5.85	1.96	7.4
Over Varnish	2.4	1.26	3.8

* The control equipment used is a thermal oxidizer.

Subpart WW only applies to the inside spray and overvarnish. This rule does not apply to the ink that is printed onto the cans because all the coatings used are less than the Subpart WW limits, therefore, the coating operations comply with the requirements of 40 CFR 60.492.

- (b) This source is not subject to the requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR 60.43, Subpart QQ), Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing, because the printing presses are offset lithographic and not publication rotogravure.
- (c) This source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), Subpart KK, National Emission Standards for the Printing and Publishing Industry, because the printing presses are offset lithographic and not publication rotogravure, product and packaging rotogravure or wide-web flexographic.
- (d) This source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), Subpart QQQQ, National Emission Standards for the Surface Coating of Wood Building Products, because the source does not apply coating to the products that contain more than fifty (50) percent by weight of wood or wood fiber.
- (e) This source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), Subpart OOOO, National Emission Standards for the Printing, Coating, and Dyeing of Fabrics and Other Textiles, because the source does not apply printing / coating to the products that contain fabrics or other textiles.
- (f) This source is not subject to the requirements of the National Emission standards for Hazardous Air Pollutants (NESHAP), Subpart MMMM, National Emissions Standards for the Surface Coating of Miscellaneous Metal Parts and Products, because the source fabricates and coats metal closures, which is included under affected source category in Subpart KKKK. Pursuant to 40 CFR 63.3481(c) (5), Subpart MMMM will cover surface coating of all the miscellaneous metal parts and products that are not *explicitly covered by another subpart*. Therefore, the source is not subject to Subpart MMMM as it is subject to Subpart KKKK.
- (g) This source is not subject to the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63.460 Subpart T because they do not use in the degreaser any solvent containing the following as a cleaning or drying agent:

- (1) perchloroethylene
- (2) trichloroethylene
- (3) 1,1,1-trichloroethane
- (4) carbon tetrachloride
- (5) chloroform
- (6) methylene chloride

40 CFR 63, Subpart KKKK

- (a) The provisions of 40 CFR Part 63, Subpart KKKK (National Emission Standards for Hazardous Air Pollutants for Surface Coating of Metal Cans) apply to the affected source (Three (3) inside spray machine lines and three (3) lithographic printing presses and overvarnish line) because the potential HAP emissions from the source are greater than the major source thresholds of 10 tons per year (for single HAP)/25 tons per year (for combination of HAPS) and also meets the definition of a metal cans surface coating facility . A copy of this rule is available on the US EPA Air Toxics Website at <http://www.epa.gov/ttn/atw/misc/miscpg.html>. Pursuant to 40 CFR 63.3483(b), the Permittee must comply with these requirements on and after the date 3 years after the effective date of 40 CFR Part 63, Subpart KKKK.
- (b) The provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1, apply to the affected source (Three (3) inside spray machine lines and three (3) lithographic printing presses and overvarnish line), except when otherwise specified by Table 5 to 40 CFR Part 63, Subpart KKKK. The Permittee must comply with these requirements on and after the effective date of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Metal Cans.
- (c) Since the applicable requirements associated with the compliance options are not included and specifically identified in this permit, the permit shield authorized by the B section of this permit in the condition titled Permit Shield, and set out in 326 IAC 2-7-15 does not apply to paragraph (b) of this condition.
- (d) The affected source is the collection of all of the items listed in 40 CFR 63.3482, paragraphs (b)(1) through (4) that are used for surface coating of metal cans and ends (including decorative tins), or metal crowns or closures:
 - (1) All coating operations as defined in 40 CFR 63.3561;
 - (2) All storage containers and mixing vessels in which coatings, thinners, and cleaning materials are stored or mixed;
 - (3) All manual and automated equipment and containers used for conveying coatings, thinners, and cleaning materials; and
 - (4) All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.

Terminology used in this section are defined in the CAA, in 40 CFR Part 63, Section 63.2, and in 40 CFR 63.3561, and are applicable to the affected source.

40 CFR 64, Compliance Assurance Monitoring

- (a) The requirements of 40 CFR Part 64, Compliance Assurance Monitoring, apply to a pollutant-specific emissions unit (PSEU), as defined in 40 CFR 64.1, at a major source that is required to obtain a Part 70 or 71 permit if the PSEU meets the following criteria:
 - (1) the unit is subject to an emission limitation or standard for an applicable regulated air pollutant,

- (2) the unit uses a control device as defined in 40 CFR 64.1 to comply with that emission limitation or standard, and
- (3) the unit has a potential to emit (PTE) before controls equal to or greater than 100 percent of the amount (tons per year) of the pollutant required for a source to be classified as a Part 70 major source.

This source was issued initial Part 70 permit no. T181-7548-00022, on April 15, 1999. The three (3) inside spray machine lines as PSEUs have uncontrolled PTE at greater than 100 percent of the applicable major Part 70 threshold, each uses a control device (Thermal Oxidizer TO-1) as defined in 40 CFR 64.1 to comply with the VOC requirements. The PSEUs meet the criteria for Compliance Assurance Monitoring applicability. Hence 40 CFR Part 64, Compliance Assurance Monitoring, are applicable to the three (3) inside spray machine lines.

The three (3) lithographic printing presses for printing and over varnish as PSEUs have uncontrolled PTE at greater than 100 percent of the applicable major Part 70 threshold, each uses a control device (Thermal Oxidizer TO-1) as defined in 40 CFR 64.1 to comply with the VOC requirements. The PSEUs meet the criteria for Compliance Assurance Monitoring applicability. Hence 40 CFR Part 64, Compliance Assurance Monitoring, are applicable to the three (3) lithographic printing presses for printing and over varnish.

- (b) The pollutant-specific emission units are not a "large unit" as described in 40 CFR 64.5. Therefore, the owner or operator has to submit a CAM plan pursuant to 40 CFR 64 as part of the Part 70 renewal application. The Permittee has submitted a CAM plan on July 16, 2003. The current monitoring requirements (located on page 18 of TSD) for three (3) inside spray machine lines and the three (3) lithographic printing presses for printing and over varnish will satisfy the requirements of 40 CFR 64, Compliance Assurance Monitoring.

State Rule Applicability – Entire Source

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

The source was constructed in 1988, after the PSD applicability of August 7, 1977. This source is not a major stationary source because the controlled emissions of volatile organic compounds have always been less than 250 tons per year and it is not one of the 28 listed source categories.

Pursuant to CP 181-5079-00022, issued on June 12, 1996 the input of VOC to one (1) basecoat, three (3) printing presses and overvarnish, three (3) inside spray machine lines and the usage of cleanup solvents shall be less than 223.3 tons per 12 consecutive month period. The source has removed base coating operations from the facility and still wants to limit the remaining operations (i.e. three (3) printing presses and overvarnish line, three (3) inside spray machine lines and the usage of cleanup solvents) to less than 223.3 tons per 12 consecutive month period.

The source was issued significant permit modification no. 181-11848-00022 on May 1, 2000, for changing the monitoring conditions in regards to the thermal oxidizer (control device), identified as TO-1, source wide PTE was not affected by the modification.

The source has a potential to emit 831.2 tons per year before controls. The source is using thermal oxidizers as control equipment, with overall control efficiency of 51.5 % for three (3) printing presses and overvarnish and 73.5 % for three (3) inside spray machine lines. The potential emissions, after controls, from the source are less than 250 tons per year. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

The source shall show compliance with this limit by using the following equation:

VOC emissions = (VOC emissions from solvent used for cleaning operation) + (Input VOC from, printing and overvarnish x (1-51.5%)) + (Input VOC from inside spray x (1 – 73.5%)) + (input VOC to end making)

The source did not have any new constructions or modifications after May 1, 2000.

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 Exemptions), opacity shall meet the following, unless otherwise stated in the 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.

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

The operation of three (3) printing presses and overvarnish will emit greater than 10 tons per year of a single HAP or 25 tons per year of a combination of HAPs. However, 326 IAC 2-4.1 will not apply, because it is subject to the NESHAP, 40 CFR 63, Subpart KKKK and also the three (3) printing presses and overvarnish were built prior to applicability date of July 27, 1997.

326 IAC 8-6 (Organic Solvent Emissions Limitation)

Pursuant to 326 IAC 8-6-2, sources commencing operation after October 7, 1974, and prior to January 1, 1980, located anywhere in the state, with potential emissions of 90.7 megagrams (100 tons) or greater per year of VOC, not limited by other rules in this article 8 rule shall not emit or cause the emission of more than 100 tons per year of VOC from any existing sources unless all VOC emitted from such source are reduced by at least 85% from emissions which would occur before the application of any control equipment or process.

The source was constructed after January 1, 1980. Therefore, the requirements of 326 IAC 8-6 do not apply.

State Rule Applicability – Individual Facilities

326 IAC 8-2-3 (Can Coating Operations)

Can coating emission limitations as specified under 326 IAC 8-2-3 are applicable to facilities in White County which commenced operations after January 1, 1980 and have potential emissions of 25 tons per year or greater. Pursuant to 326 IAC 8-2-3(b), the emissions from the beverage can coating operations shall not discharge volatile organic compounds in excess of the following:

Coating	326 IAC 8-2-3 Limit (lb VOC/gal), less water
Interior Spray	4.2
Over Varnish	2.8

The pounds of VOC per gallon of coating, less water, delivered to the applicators of PTR-1, PTR-2 and PTR-3 for overvarnish and the applicators of ISM-1, ISM-2 and ISM-3 for each inside spray operations are less than the 326 IAC 8-2-3 limit, therefore, the overvarnish and inside spray coating operations complies with this rule. (Refer page 1 of 5 for detailed emissions calculations)

- (a) Pursuant to 326 IAC 8-2-3 (Can Coating Operations), the volatile organic compound (VOC) content of the coating delivered to the applicator at the overvarnish lines PTR-1 through 3 shall be limited to 2.8 pounds of VOCs per gallon of coating less water.

Based on MSDS, these facilities are in compliance with requirements of 326 IAC 8-2-3.

40 CFR 52, Subpart P (Process Operations)

Pursuant to 40 CFR 52 Subpart P, the particulate matter (PM) from the three (3) inside spray machines shall be limited by the following:

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:

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

326 IAC 6-3-2(d) (Particulate)

Pursuant to 326 IAC 6-3-2(d), particulate from the inside spray machines operations shall be controlled by a baghouse and the Permittee shall operate the control device in accordance with manufacturer's specifications. This requirement to operate the control is not federally enforceable.

326 IAC 8-1-6 (BACT)

- (a) The potential VOC emissions from the three (3) offset lithography presses (PTR-1, PTR-2 and PTR-3), are each less than 25 tons/yr (refer page 3 of 5 for detailed emissions calculations) and are subject to 326 IAC 8-2-3. Therefore, 326 IAC 8-1-6 does not apply.
- (c) Pursuant to CP 181-5079-00022, issued on June 12, 1996, the VOC content delivered to end making line shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period with compliance determined at the end of each month. Therefore, the best available control technology (BACT) requirement in 326 IAC 8-1-6 does not apply.

The end making line is a new facility (constructed in 1992), which has potential emissions of 22.7 megagrams (25 tons) or more per year, and is not otherwise regulated by other provisions of this article (326 IAC 8). Therefore, this facility has to reduce VOC emissions using best achievable control technology. To render 326 IAC 8-1-6 (BACT) not applicable, the source has accepted a limit of 25 tons per twelve (12) consecutive month period for end making line.

326 IAC 8-5-5 (Graphic Arts Operations)

The three offset lithography presses (PTR-1, PTR-2 and PTR-3) are not subject to 326 IAC 8-5-5 because these presses are not packaging rotogravure, publication rotogravure or flexographic.

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

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for all parts washers constructed after January 1, 1980, the Permittee shall:

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

326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control)

The source is not subject to the requirements of 8-3-5 (a) and (b) because it was constructed before July 1, 1990 and is not located in Clark, Elkhart, Floyd, Lake, Marion, Porter or St. Joseph Counties.

40 CFR 52 Subpart P (Particulate Matter)

Pursuant to 40 CFR 52 Subpart P, the particulate matter emissions from the brazing equipment, cutting torches, soldering equipment, welding equipment and trimming operations shall not exceed the pound per hour emission rate established as E in the following formula:

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:

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

Testing Requirements

326 IAC 2-7-6(1),(6), 326 IAC 2-1.1-11 (Testing Requirements)

In order to demonstrate compliance with Condition D.1.2, the Permittee shall perform VOC capture and destruction efficiency testing of the thermal oxidizer 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 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 in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

- (a) The thermal oxidizer, TO-1, has applicable compliance monitoring conditions as specified below:
 - (1) A continuous monitoring system shall be calibrated, maintained, and operated on the thermal oxidizer for measuring operating temperature. The output of this system shall be recorded as 3-hr average. From the date of issuance of this permit until the approved stack test results are available, the Permittee shall operate the thermal oxidizer at or above the 3-hr average temperature of 1400°F.
 - (2) The Permittee shall determine the hourly average temperature from the most recent valid stack test that demonstrates compliance with limits in conditions D.1.2, as approved by IDEM.
 - (3) On and after the date the approved stack test results are available, the Permittee shall operate the thermal oxidizer at or above the hourly average temperature as observed during the compliant stack test.
 - (4) Ball Metal Beverage Container Corp. shall:
 - (A) For destruction:
 - (i) Continuously record and retain records of oxidizer chamber temperature (°F);
 - (ii) Inspect the oxidizer dampers and gaskets at a frequency not to exceed fourteen months from the last inspection; and
 - (iii) Monitor oxidizer outlet VOC concentration annually.
 - (B) For capture:
 - (i) Conduct an external visual inspection of all duct work leading from the emission units to the oxidizer at a frequency of once per month; and
 - (ii) Measure VOC concentration, flow rate and direction of captured air at emission pick up points annually.
 - (5) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.
- (b) The spray booths have applicable compliance monitoring conditions as specified below:
 - (1) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly

observations shall be made of the overspray from the surface coating booth stacks while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

- (2) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.
- (3) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

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

These monitoring conditions are necessary because the thermal oxidizers must operate properly to ensure compliance with 326 IAC 8-2-3 (Can Coating Operations), 326 IAC 2-7 (Part 70) and 40 CFR Part 64, 326 IAC 6-3-2 (Particulate) and 326 IAC 5-1 (Opacity Limitations).

Conclusion

The operation of this stationary fabrication of aluminum based beverage can manufacturing and coating plant shall be subject to the conditions of this Part 70 permit 181-17684-00022.

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

Thermal Oxidizer

Company Name: Ball Metal Beverage Container Corporation
Address City IN Zip: 501 North 6th Street Monticello Indiana 47960
Part 70 Permit: T181-17984-00022
Reviewer: RT / EVP
Date: May 12, 200

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
16.0	140.2

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0	5.5	84.0
				**see below		
Potential Emission in tons/yr	0.1	0.5	0.0	7.0	0.4	5.9

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

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

**Appendix A: Emissions Calculations
For Printing Operations**

**Company Name: Ball Metal Beverage Container Corporation
Address City IN Zip: 501 North 6th Street Monticello Indiana 47960
Part 70 Permit: T181-17984-00022
Reviewer: RT / EVP
Date: May 12, 2004**

Throughput Capacities

Press ID	Max Line Speed Cans per minute	60 minutes Hour	8760 Hours Year	1,000,000	Max Throughput MM cans / Yr
PTR - 1	2500	60	8760	1,000,000	1314
PTR - 2	2500	60	8760	1,000,000	1314
PTR - 3	2500	60	8760	1,000,000	1314

INK VOC Emissions

Ink Name Press ID	Max Coverage lbs/ MM Cans	Weight % volatiles	Flash On %	Throughput	Tons 2000 lbs	Tons / Year
PTR - 1 (as applied)	107	20%	100%	1314	2000	14.06
PTR - 2 (as applied)	107	20%	100%	1314	2000	14.06
PTR - 3 (as applied)	107	20%	100%	1314	2000	14.06

42.18

METHODOLOGY

Throughput = Max line speed (cans per minute) x 60 min per hour x 8760 hours per year / 1,000,000 = MM Cans per Year

VOC = Maximum Coverage (pounds per MM Cans) x weight percent volatiles (weight % organics - weight % water) x Flash off x throughput(MM cans per year) x tons per 2000 lbs = tons per year

NOTE: Heat set offset printing has an assumed flash off of 80%: Other printers have a flash off of 100%

**Appendix A: Emissions Calculations
HAP Emissions**

**Company Name: Ball Metal Beverage Container Corporation
Address City IN Zip: 501 North 6th Street Monticello Indiana 47960
Part 70 Permit: T181-17984-00022
Reviewer: RT / EVP
Date: May 12, 2004**

Emission Unit	Material	Density	Gal of Material per unit	Maximum unit/hour (cans in millions)	Free Weight % Formaldehyde	Formaldehyde Emissions tons per year	hr/ yr	1 ton / 2000 lb
ISM	640C552	8.5	247.00	0.150	0.00%	0.00	8760.00	2000.00
ISM	640C552	8.5	247.00	0.150	0.00%	0.00	8760.00	2000.00
ISM	640C552	8.5	247.00	0.150	0.00%	0.00	8760.00	2000.00
PTR-1	CC3665	8.9	79	0.150	0.00%	0.00	8760.00	2000.00
PTR-1	CC3665	8.9	79	0.150	0.00%	0.00	8760.00	2000.00
PTR-1	CC3665	8.9	79	0.150	0.00%	0.00	8760.00	2000.00
PTR-1	CC3655	9	1.3	0.150	0.00%	0.00	8760.00	2000.00
PTR-1	CC3655	9	1.3	0.150	0.00%	0.00	8760.00	2000.00
PTR-1	CC3655	9	1.3	0.150	0.00%	0.00	8760.00	2000.00
		cans / min	lbs / MMCANS	MMcans / yr				
PTR-1	INK	2500.0	107.00	1104	0.10%	0.05906		2000.00
PTR-1	INK	2500.0	107.00	1104	0.10%	0.05906		2000.00
PTR-1	INK	2500.0	107.00	1104	0.10%	0.05906		2000.00

Potential Emissions

0.18

NOTE: Cured Formaldehyde is not included in the above calculations since no reference available from EPA

METHODOLOGY

HAPS emission rate (tons/yr) = Density (lb/gal) x Gal of Material (gal/unit) x Maximum (unit / hr) x Weight % HAP x 8760 hrs / yr x 1 ton / 2000 lb

INK HAP emission rate (tons/ yr) = Pounds of material (lbs/MM cans) x Max cans per year (MM cans /yr) x Weight % HAP/ 2000 lb

Appendix A: Emission Calculations

Potential Emissions from Entire source (Overvarnish, Printing, Inside Spray, Solvent and Endline)

Company Name: Ball Metal Beverage Container Corporation
 Address City IN Zip: 501 North 6th Street Monticello Indiana 47960
 Part 70 Permit: T181-17984-00022
 Reviewer: RT / EVP
 Date: May 12, 200

Emission Unit	PM	PM-10	SO2	NOx	VOC	CO	Single HAP (Formaldehyde)	HAPS
	(tons / yr)	(tons / yr)	(tons / yr)	(tons / yr)	(tons / yr)	(tons / yr)		(tons / yr)
PTR- CC3665 (Overvarnish)	0.00	0.00	0.00	0.00	124.72	0.00	0.00	0.00
PTR- CC3665 (Rim coat)	0.00	0.00	0.00	0.00	3.44	0.00	0.00	0.00
Inside Spray	70.84	70.84	0.00	0.00	616.58	0.00	0.00	0.00
Solvent	0.00	0.00	0.00	0.00	13.91	0.00	0.00	0.00
Endline	0.00	0.00	0.00	0.00	29.99	0.00	0.00	0.00
Oxidizer	0.13	0.53	0.04	7.01	0.39	5.89	0.00	0.00
Printing	0.00	0.00	0.00	0.00	42.18	0.00	0.18	0.18
Total	70.98	71.38	0.04	7.01	831.20	5.89	0.18	0.18