



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

TO: Interested Parties / Applicant

DATE: June 9, 2010

RE: Ball Metal Beverage Corp / 181-29015-00022

FROM: Matthew Stuckey, Branch 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 13-17-3-4 and 326 IAC 2, this permit modification 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 13-15-7-3 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 Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) days of the mailing of this notice**. 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 a Title V operating permit 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.



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

June 9, 2010

Mr. Tom Knight, Environmental Engineer  
Ms. Virginia Peck, Environmental Health & Safety Manager  
Ball Metal Beverage Container Corp.  
501 N 6<sup>th</sup> St  
Monticello, IN 47960

Re: 181-29015-00022  
Significant Permit Modification to  
Part 70 Renewal No.: T 181-17684-00022

Dear Mr. Knight and Ms. Peck:

Ball Metal Beverage Container Corp. was issued a Part 70 Operating Permit Renewal on November 16, 2006 for a stationary aluminum based beverage can manufacturing and coating plant. A letter requesting changes to this permit was received on January 12, 2010.

Pursuant to the provisions of 326 IAC 2-7-12 a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of:

- One (1) lithographic printing press for printing and overvarnish
- One (1) bake oven for printing and overvarnish
- One (1) bake oven for inside spray

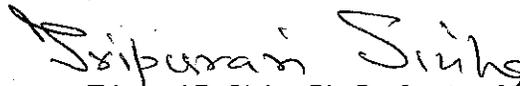
In addition, the following is approved for modification:

- One (1) bake oven for printing and overvarnish

All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire Part 70 Operating Permit as modified will be provided at issuance. A copy of this permit is available on the Internet at: [www.in.gov/ai/appfiles/idem-caats/](http://www.in.gov/ai/appfiles/idem-caats/).

This decision is subject to the Indiana Administrative Orders and Procedures Act – IC 4-21.5-3-5. If you have any questions on this matter, please contact James Mackenzie, OAQ, 100 North Senate Avenue, MC 61-53, Room 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for James Mackenzie or extension (3-2641), or dial (317) 233-2641.

Sincerely,

  
Tripurari P. Sinha, Ph. D., Section Chief  
Permits Branch  
Office of Air Quality

TPS/jwm

(over)

Attachments:

Updated Permit	29015 per.doc
Attach: NSPS, 40 CFR 60 WW	17684 AttA 40 CFR 60 WW.doc
Technical Support Document	28869-29015 tsd.doc
PTE Calculations	28869-29015 calc.xls

cc: File – White County  
White County Health Department  
U.S. EPA, Region V  
Compliance and Enforcement Branch  
Interested Parties

Mr. Ross Rittberg  
Ball Metal Beverage Container Corp  
501 N. 6<sup>th</sup> St.  
Monticello, IN 47960



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603

Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

## PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY

**Ball Metal Beverage Container Corp.  
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.

First Operation Permit Renewal No.: T181-17684-00022	
Issued by: Original signed by Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: November 16, 2006  Expiration Date: November 16, 2011

First Significant Permit Modification No.: 181-25621-00022  
Second Significant Permit Modification No.: 181-26916-00022

Third Significant Permit Modification No.: 181-29015-00022	
Issued by:  <i>Tripurari P. Sinha</i> Tripurari P. Sinha, Ph.D., Section Chief Permits Branch Office of Air Quality	Issuance Date: June 9, 2010  Expiration Date: November 16, 2011

## TABLE OF CONTENTS

### SECTION A SOURCE SUMMARY

- A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]
- A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]  
[326 IAC 2-7-5(15)]
- A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)]  
[326 IAC 2-7-5(15)]
- A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

### SECTION B GENERAL CONDITIONS

- B.1 Definitions [326 IAC 2-7-1]
- 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)]
- B.3 Term of Conditions [326 IAC 2-1.1-9.5]
- B.4 Enforceability [326 IAC 2-7-7]
- B.5 Severability [326 IAC 2-7-5(5)]
- B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]
- B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]
- B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]
- B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]
- 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]
- B.11 Emergency Provisions [326 IAC 2-7-16]
- B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]
- B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]
- B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]
- B.15 [Reserved]
- B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination  
[326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]
- B.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]
- B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]
- B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]  
[326 IAC 2-7-12 (b)(2)]
- B.20 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]
- B.21 Source Modification Requirement [326 IAC 2-7-10.5]
- B.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]
- B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]
- B.24 Annual Fee Payment [326 IAC 2-7-19][326 IAC 2-7-5(7)][326 IAC 2-1.1-7]
- B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314][326 IAC 1-1-6]

### SECTION C SOURCE OPERATION CONDITIONS

#### 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]
- C.2 Opacity [326 IAC 5-1]
- C.3 Open Burning [326 IAC 4-1][IC 13-17-9]
- C.4 Incineration [326 IAC 4-2][326 IAC 9-1-2]
- C.5 Fugitive Dust Emissions [326 IAC 6-4]
- C.6 Asbestos Abatement Projects [326 IAC 14-10][326 IAC 18][40 CFR 61, Subpart M]

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

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

#### Compliance Requirements [326 IAC 2-1.1-11]

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

#### 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)]

- C.10 [Reserved]
- C.11 Instrument Specifications [326 IAC 2-1.1-11][326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

**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]
- C.13 Risk Management Plan [326 IAC 2-7-5(12)][40 CFR 68]
- C.14 Response to Excursions or Exceedances [326 IAC 2-7-5][326 IAC 2-7-6]
- C.15 Actions Related to Noncompliance Demonstrated by a Stack Test  
[326 IAC 2-7-5][326 IAC 2-7-6]

**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]
- C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-6]
- C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)][326 IAC 2-1.1-11]

**Stratospheric Ozone Protection**

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

**SECTION D.1 FACILITY OPERATION CONDITIONS**

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

- D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-3]
- D.1.2 PSD Minor Limit [326 IAC 2-2]
- D.1.3 Particulate [326 IAC 6-3-2(d)]
- D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

**Compliance Determination Requirements**

- D.1.5 Volatile Organic Compounds (VOC) [326 IAC 8-1-4][326 IAC 8-1-2(a)]
- D.1.6 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]
- D.1.7 Volatile Organic Compounds [326 IAC 8-1-2]

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

- D.1.8 Monitoring
- D.1.9 Thermal Oxidizer Temperature [40 CFR 64]

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

- D.1.10 Record Keeping Requirements
- D.1.11 Reporting Requirements

**SECTION D.2 FACILITY OPERATIONS CONDITIONS**

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

- D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]
- D.2.2 Particulate [326 IAC 6-3-2(e)(2)]

**SECTION E.1 SOURCE OPERATIONS CONDITIONS**

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

- E.1.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1]  
[40 CFR Part 60, Subpart A]
- E.1.2 Standards of Performance for the Beverage Can Surface Coating Industry Requirements  
[40 CFR Part 60, Subpart WW]

Certification  
Emergency Occurrence Report  
Part 70 Quarterly Report  
Quarterly Deviation and Compliance Monitoring Report  
Attachment A - NSPS, 40 CFR 60, Subpart WW

## 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 and multi-drink two-piece can manufacturing and coating plant.

Source Address:	501 North Sixth Street, Monticello, IN 47960
Mailing Address:	501 North Sixth Street, Monticello, IN 47960
General Source Phone Number:	574-583-9418
SIC Code:	3411
County Location:	White
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD Rules Minor Source, under Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

---

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

- (a) Six (6) lithographic printing presses for printing and overvarnish:
- (1) Two (2) lines: one (1), identified as PTR-1, approved for construction in 2010, and one (1), identified as PTR-2, constructed in 1993, each with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with two (2) natural gas-fired drying ovens, identified as PO-1 and PO-2, constructed in 1993. PO-1, modified in 2010, is rated at 6 MMBtu/hr, and PO-2 is rated at 4 MMBtu/hr, with both exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, PTR-1, PTR-2, PO-1 and PO-2 are considered affected facilities];
  - (2) One (1) identified as PTR-3, constructed in 1993, with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (PO-3), rated at 4 MMBtu/hr, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, PTR-3 and PO-3 are considered affected facilities];
  - (3) Two (2) lines: one (1), identified as PTR 4-1, constructed in 1993, and one (1), identified as PTR 4-2, constructed 2008, with a combined nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds possible within the VOC emission cap, with two (2) natural gas-fired drying ovens, identified as PO-04-1 and PO-04-2, each rated at 2.7 MMBtu/hr, and exhausting to the thermal oxidizer, RTO1. PO-04-1 was approved for construction in 2010 and PO-04-2 was constructed in 2008. [Under 40 CFR 60, Subpart WW, PTR 04-1, PTR 04-2, PO-04-1, and PO-04-2 are considered affected facilities]; and
  - (4) One (1), identified as PTR-5, approved for construction in 2008, with a nominal capacity of 55,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (PO-5), rated at less than ten (10) MMBtu/hr, and exhausting to the thermal oxidizer RTO-1 [Under 40 CFR 60, Subpart WW, PTR-5 and PO-5 are considered affected facilities].
- (b) One (1) natural gas-fired regenerative thermal oxidizer, constructed in 1988 and identified as

RTO-1, rated at 16.0 MMBtu/hr, exhausting to stack TO-1.

(c) Five (5) inside spray machine lines:

- (1) Two (2) constructed in 1993, identified as ISM-1 and ISM-2, each consisting of six machines, each using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, each with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with two (2) natural gas-fired drying ovens (ISO-1 and ISO-2), each rated at 6.0 MMBtu/hr, and each exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-1, ISM-2, ISO-1 and ISO-2 are considered affected facilities];
- (2) One (1) constructed in 1993, identified as ISM-3, consisting of six machines, each using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (ISO-3), approved for construction in 2010, rated at 7.5 MMBtu/hr, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-3 and ISO-3 are considered affected facilities];
- (3) One (1) approved for construction in 2008, identified as ISM-4, using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with natural gas drying oven (ISO-4), with two (2) 0.8 MMBtu/hr burners and one (1) 1.6 MMBtu/hr burner, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-4 and ISO-4 are considered affected facilities]; and
- (4) One (1) approved for construction in 2008, identified as ISM-5, using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, with a nominal capacity of 55,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with natural gas drying oven (ISO-5), with three (3) burners, two rated at less than 1 MMBtu/hr and one at less than 0.4 MMBtu/hr each, and exhausting to thermal oxidizer RTO-1 [Under 40 CFR 60, Subpart WW, ISM-5 and ISO-5 are considered affected facilities].

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) Organic Solvent Degreasing operations, collectively identified as CPW-01, with a maximum combined usage of 220 gallons VOC per twelve (12) consecutive month period for cold cleaner parts washing [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];
- (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]; and
- (d) Five (5) lines of equipment for metal working, processing hot water, closed loop heating and cooling, and ovens identified as WO-1, WO-2, WO-L4, WO-L5, and Bottle Rinser Oven for line 5, each with natural gas burners less of than 10 MMBtu/hr [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 Term of Conditions [326 IAC 2-1.1-9.5]

---

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) The condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act;  
or
- (b) The emission unit to which the condition pertains permanently ceases operation.

### B.4 Enforceability [326 IAC 2-7-7]

---

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

### B.5 Severability [326 IAC 2-7-5(5)]

---

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

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

---

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

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

---

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

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

---

- (a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:
- (i) it contains a certification by a "responsible official", as defined by 326 IAC 2-7-1 (34), and

- (ii) the certification is based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) A "responsible official" is defined at 326 IAC 2-7-1(34).

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

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

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

and

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

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

The submittal by the Permittee does require the certification that meets the requirements of 326 IAC 2-7-6(1) by a "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 where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 a "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 no later than 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 and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

no later than 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 that meets the requirements of 326 IAC 2-7-6(1) by a "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.

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

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

**B.15** **[Reserved]**

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)]  
[326 IAC 2-7-8(a)][326 IAC 2-7-9]

---

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by a “responsible official” as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
  - (1) That this permit contains a material mistake.
  - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
  - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

---

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

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
  - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
  - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source’s failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

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

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

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

Any such application does require a certification that meets the requirements of 326 IAC 276(2) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]  
[326 IAC 2-7-12 (b)(2)]

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

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

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

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

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

The Permittee notifies the:

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

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.21 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.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]**

---

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or

operations regulated or required under this permit;

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

**B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]**

---

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

Any such application does require a certification that meets the requirements of 326 IAC 276(2) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

**B.24 Annual Fee Payment [326 IAC 2-7-19][326 IAC 2-7-5(7)][326 IAC 2-1.1-7]**

---

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing and Training Section), to determine the appropriate permit fee.

**B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314][326 IAC 1-1-6]**

---

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

## SECTION C

## SOURCE OPERATION CONDITIONS

### Entire Source

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

##### C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

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

##### C.2 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

##### C.3 Open Burning [326 IAC 4-1][IC 13-17-9]

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

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

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

##### C.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  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification 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 Licensed Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana 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.

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(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. The extension request submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by the a "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date. The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(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 [Reserved]**

#### **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) Revisions to the ERP shall be submitted for approval to:

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

The ERP does require the certification by a "responsible official" as defined by 326 IAC 2-4-7(34).

(c) 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]

---

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

(a) The Permittee shall 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. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

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

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

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not necessarily 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 record the reasonable responses steps taken.

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

---

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification that meets the requirements of 326 IAC 326 IAC 2-7-6(1) by a "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), every three (3) years, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
  - (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
  - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

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

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

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

**C.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, except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by a "responsible official" as defined by 326 IAC 2-7-1(34). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
  
- (b) The address for report submittal is:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
  
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
  
- (e) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. 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.

**Stratospheric Ozone Protection**

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

---

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

## SECTION D.1 FACILITY OPERATION CONDITIONS

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

- (a) Six (6) lithographic printing presses for printing and overvarnish:
- (1) Two (2) lines: one (1), identified as PTR-1, approved for construction in 2010, and one (1), identified as PTR-2, constructed in 1993, each with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with two (2) natural gas-fired drying ovens, identified as PO-1 and PO-2, constructed in 1993. PO-1, modified in 2010, is rated at 6 MMBtu/hr, and PO-2 is rated at 4 MMBtu/hr, with both exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, PTR-1, PTR-2, PO-1 and PO-2 are considered affected facilities];
  - (2) One (1) identified as PTR-3, constructed in 1993, with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (PO-3), rated at 4 MMBtu/hr, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, PTR-3 and PO-3 are considered affected facilities];
  - (3) Two (2) lines: one (1), identified as PTR 4-1, constructed in 1993, and one (1), identified as PTR 4-2, constructed 2008, with a combined nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds possible within the VOC emission cap, with two (2) natural gas-fired drying ovens, identified as PO-04-1 and PO-04-2, each rated at 2.7 MMBtu/hr, and exhausting to the thermal oxidizer, RTO1. PO-04-1 was approved for construction in 2010 and PO-04-2 was constructed in 2008. [Under 40 CFR 60, Subpart WW, PTR 04-1, PTR 04-2, PO-04-1, and PO-04-2 are considered affected facilities]; and
  - (4) One (1), identified as PTR-5, approved for construction in 2008, with a nominal capacity of 55,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (PO-5), rated at less than ten (10) MMBtu/hr, and exhausting to the thermal oxidizer RTO-1 [Under 40 CFR 60, Subpart WW, PTR-5 and PO-5 are considered affected facilities].
- (b) One (1) natural gas-fired regenerative thermal oxidizer, constructed in 1988 and identified as RTO-1, rated at 16.0 MMBtu/hr, exhausting to stack TO-1.
- (c) Five (5) inside spray machine lines:
- (1) Two (2) constructed in 1993, identified as ISM-1 and ISM-2, each consisting of six machines, each using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, each with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with two (2) natural gas-fired drying ovens (ISO-1 and ISO-2), each rated at 6.0 MMBtu/hr, and each exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-1, ISM-2, ISO-1 and ISO-2 are considered affected facilities];
  - (2) One (1) constructed in 1993, identified as ISM-3, consisting of six machines, each using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (ISO-3), approved for construction in 2010, rated at 7.5 MMBtu/hr, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-3 and ISO-3 are considered affected facilities];
  - (3) One (1) approved for construction in 2008, identified as ISM-4, using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with natural gas drying oven (ISO-4), with two (2) 0.8 MMBtu/hr burners and one (1) 1.6 MMBtu/hr burner, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-4 and ISO-4 are considered affected facilities]; and

- (4) One (1) approved for construction in 2008, identified as ISM-5, using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, with a nominal capacity of 55,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with natural gas drying oven (ISO-5), with three (3) burners, two rated at less than 1 MMBtu/hr and one at less than 0.4 MMBtu/hr each, and exhausting to thermal oxidizer RTO-1 [Under 40 CFR 60, Subpart WW, ISM-5 and ISO-5 are considered affected facilities].

(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]**

- (a) Pursuant to 326 IAC 8-2-3(b), (Can Coating Operations), the operator of six (6) overvarnish lines; PTR-1, PTR-2, PTR-3, PTR-04-1, PTR-04-2, and PTR-5, and five (5) inside spray machine lines, ISM-1 through ISM-5, shall not cause, allow or permit the discharge into the atmosphere of any volatile organic compounds in excess of the following:

Coating Line	326 IAC 8-2-3 Limit (lb VOC/gal, less water)
Interior Spray Lines: ISM-1 to ISM-5	4.2
Overvarnish Lines: PTR-1, PTR-2, PTR-3, PTR-04-1, PTR-04-2, and PTR-5	2.8

The Permittee shall comply with the VOC content limit in 326 IAC 8-2-3 for inside spray operations ISM-1 to ISM-5 and for printing and overvarnish operations PTR-1, PTR-2, PTR-3, PTR-04-1, PTR-04-2, and PTR-5 by using compliant coatings or daily averaging of VOC content or the use of a VOC control device or the use of daily averaging of VOC content and the use of a VOC control device.

- (b) Whenever a non-compliant coating is used in any one of the printing and overvarnish lines PTR-1, PTR-2, PTR-3, PTR-04-1, PTR-04-2, and PTR-5 or the inside spray lines ISM-1 to ISM-5 and the regenerative thermal oxidizer (RTO-1) is not used to achieve compliance with the VOC content limits in Condition D.1.1(a), compliance with the VOC content limit in Condition D.1.1(a) shall be determined pursuant to 326 IAC 8-1-2(a)(7), using a volume weighted average of coatings on a daily basis. This volume weighted average shall be determined by the following equation:

$$A = [ \sum (c \times U) / \sum U ]$$

Where:

- A is the volume weighted average in pounds VOC per gallon less water as applied;
- C is the VOC content of the coating in pounds VOC per gallon less water as applied; and
- U is the usage rate of the coating in gallons per day.

- (c) Whenever a non-compliant coating is used in any one of the printing and overvarnish lines (PTR-1, PTR-2, PTR-3, PTR-04-1, PTR-04-2, and PTR-5) or the inside spray lines (ISM-1 to ISM-5) and the regenerative thermal oxidizer (RTO-1) is used to comply with the VOC content limit in Condition D.1.1(a), the Permittee shall comply with the following:

- (1) Pursuant to 326 IAC 8-1-2 (b), the VOC emissions from a unit not using a compliant coating shall be limited to no greater than the equivalent emissions, expressed as pounds of VOC per gallon of coating solids, allowed in Condition D.1.1(a). The equivalent emission limits are shown in the following table:

Emission Unit	L (lb VOC/gal, less water)	D (lb VOC/gal solvent)	E (lb VOC/gal of coating solids)
Inside Spray Operations ISM-1 to ISM-5	4.2	7.36	9.78
Overvarnish Operations PTR-1, PTR-2, PTR-3, PTR-04-1, PTR-04-2, and PTR-5	2.8	7.36	4.52

This equivalency was determined using the following equation:

$$E = L / (1 - (L/D))$$

Where:

- L= Applicable emission limit from 326 IAC 8 in pounds of VOC per gallon of coating;
- D= Density of VOC in coating in pounds VOC per gallon of solvent;
- E= Equivalent emission limit in pounds of VOC per gallon of coating solids as applied.

A solvent density of 7.36 pounds of VOC per gallon of coating shall be used to determine equivalent pounds of VOC per gallon of solids for the applicable emission limit contained in this article.

Actual solvent density shall be used to determine compliance of the surface coating operation using the compliance methods in 326 IAC 8-1-2 (a).

- (2) Pursuant to 326 IAC 8-1-2(c), the overall efficiency of the thermal oxidizer, RTO-1, shall be no less than the equivalent overall efficiency calculated by the following equation:

$$O = \frac{V - E}{V} \times 100$$

Where:

- V = The actual VOC content of the coating or, if multiple coatings are used, the daily weighted average VOC content of all coatings, as applied to the subject coating line as determined by the applicable test methods and procedures specified in 326 IAC 8-1-4 in units of pounds of VOC per gallon of coating solids as applied.
- E = Equivalent emission limit in pounds of VOC per gallon of coating solids as applied.
- O = Equivalent overall efficiency of the capture system and control device as a percentage.

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

The use of VOC (including coatings, dilution solvents, and cleaning solvents excluding insignificant or exempt activities) at the six (6) lithographic printing presses and overvarnish lines PTR-1, PTR-2, PTR-3, PTR-04-1, PTR-04-2, and PTR-5, and the five (5) inside spray machine lines (ISM-1 through ISM-5) shall be limited such that the potential to emit VOC shall be less than 240.2 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with this limit, combined with the potential to emit VOC from other emission units at the source, shall limit the VOC from the entire source to less than 250 tons per twelve (12) consecutive month period and render 326 IAC 2-2 not applicable to the entire source.

D.1.3 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 dry particulate filter, waterwash, or an equivalent control device and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.1.4 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.1.5 Volatile Organic Compounds (VOC) [326 IAC 8-1-4] [326 IAC 8-1-2(a)]

- (a) Compliance with the VOC content limitations contained in Conditions D.1.1 and D.1.2 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 or VOC certifications or VOC certificates of analysis. 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 emission limitation in Condition D.1.2 shall be determined based on the following equation:

VOC emissions = Input VOC to solvent wipe cleaning for coating operations and coatings not vented to the thermal oxidizer, in a month.

+

$$\left\{ \begin{array}{l} \text{VOC input to both lithographic process} \\ \text{and inside spray process which are} \\ \text{vented to the thermal oxidizer, in a month} \end{array} \right\} \times C \times \left\{ 1 - \frac{C_{RTO}}{100} \right\}$$

Where:

C = Capture efficiency of the lithographic print lines PTR-1 through PTR-5 and inside spray lines ISM-1 through ISM-5

C<sub>RTO</sub> = Destruction efficiency of the thermal oxidizer

These efficiencies shall be as determined by the latest compliant stack test. Until such time that the efficiencies are determined from a compliant stack test, the values used for C and C<sub>RTO</sub> shall be 80% and 95%, respectively.

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

- (a) No later than July 19, 2012, the Permittee shall conduct a performance test of the thermal oxidizer to determine the destruction efficiency of the thermal oxidizer at maximum flow rate, as required by Conditions D.1.1(c)(2) and 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.

- (b) Within one hundred and eighty (180) days after initial startup of PTR-5 and/or ISM-5; whichever is later, the Permittee shall conduct a performance test to determine the capture efficiency and the destruction efficiency of the thermal oxidizer at maximum flow rate, as required by Conditions D.1.1(c)(2) and/or D.1.2, utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C - Performance Testing.
- (c) Within one hundred and eighty (180) days after initial startup of PTR-1, the Permittee shall conduct a performance test to determine the capture efficiency and the destruction efficiency of the thermal oxidizer at maximum flow rate, as required by Conditions D.1.1(c)(2) and/or D.1.2, utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C - Performance Testing.

#### D.1.7 Volatile Organic Compounds (VOC) [326 IAC 8-1-2]

---

Pursuant to 326 IAC 8-1-2(a) and to comply with Condition D.1.1(a) and (c), the Permittee shall operate the thermal oxidizer (RTO-1) at all times a non-compliant coating is used and daily averaging of VOC content is not used.

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

#### D.1.8 Monitoring

---

- (a) The following monitoring condition shall apply if baghouse filters are used to control particulate emissions:

Monthly cleaning of the baghouse filters shall be performed including: shaking, pulsing or air pulsing of the bags per manufacturer's recommendation. Semi-annual inspections shall be performed for the presence of overspray near the baghouse. 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.
- (b) The following monitoring conditions shall apply if dry filters are used to control particulate emissions:
  - (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 stacks while one or more of the spray lines are in operation. 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.
  - (2) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray nearby the filters. 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.
- (c) The following monitoring conditions shall apply if water pans are used to control particulate emissions:
  - (1) Daily inspections shall be performed to verify that the water level of the water pans meet the manufacturer's recommended level. To monitor the performance of the water pans, the water level of the pans shall be maintained weekly at a level where surface agitation indicates impact of the air flow. Water shall be kept free of solids and floating material that reduces the capture efficiency of the water pan. In addition, weekly observations

shall be made of the overspray from the surface coating stacks while one or more of the spray lines are in operation. Section C - Response to Excursions or Exceedances shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

- (2) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the nearby ground. Section C - Response to Excursions or Exceedances 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. Section C - Response to Excursions or Exceedances shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation in this permit.
- (d) Particulate control methods other than baghouse filtration, dry filters, or water pans for controlling particulate emissions from the five (5) inside spray machine lines (ISM-1 through ISM-5) are subject to approval by IDEM, OAQ, Permits Branch to determine if additional monitoring conditions are required.

#### D.1.9 Thermal Oxidizer Temperature [40 CFR 64]

- (a) A continuous monitoring system shall be calibrated, maintained, and operated on the thermal oxidizer (RTO-1) for measuring operating temperature. For the purpose of this condition, continuous means no less than once per fifteen (15) minutes. The output of this system shall be recorded as the oxidizer operating temperature. The 3-hour average oxidizer temperature shall be determined once per fifteen (15) minutes either as an output of the data acquisition system or by other means. Upon the operation of printing and overvarnish line PTR-5 and inside spray line ISM-5, the Permittee shall operate the thermal oxidizer at or above the 3-hour average at a temperature determined by the most recent stack test approved by IDEM.
- (b) The Permittee shall determine the 3-hour average temperature from the most recent valid stack test that demonstrates compliance with limits in Conditions D.1.1(c) and 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-hour average temperature as observed during the compliant stack test.

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

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

##### D.1.10 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.1 and D.1.2, 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 and D.1.2. 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, when using compliant coatings or a VOC control device. The amount of coating material and solvent used less water on a daily basis, when using daily VOC content averaging.
    - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Records kept may be in an electronic format.
    - (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, when using compliant coatings or a VOC control device. The volume weighted VOC content of the coating used for each day, when using daily VOC content averaging;
  - (4) The cleanup solvent usage for coating operations for each month;
  - (5) The total VOC usage for each month; and
- (b) To document compliance with Condition D.1.8, the Permittee shall maintain a log of particulate control method employed and the following:
- (1) When baghouse filtration is used for particulate control, the Permittee shall maintain a log of semi-annual inspections.
  - (2) When dry filters are used for particulate control, the Permittee shall maintain a log of weekly overspray observations and daily and monthly inspections.
  - (3) When water pans are used for particulate control, the Permittee shall maintain a log of weekly overspray observations, weekly observations of the water level in the pans, and daily and monthly inspections.
- (c) To document compliance with Condition D.1.9, the Permittee shall maintain a record of the 3-hour average 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 Condition D.1.2 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 calendar quarter being reported. The report submitted by the Permittee does require the certification by a "responsible official" as defined by 326 IAC 2-1.1-1(1).

## SECTION D.2 FACILITY OPERATIONS CONDITIONS

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

- (a) Organic Solvent Degreasing operations, collectively identified as CPW-01, with a maximum combined usage of 220 gallons VOC per twelve (12) consecutive month period for cold cleaner parts washing [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]; and
- (d) Five (5) lines of equipment for metal working, processing hot water, closed loop heating and cooling, and ovens identified as WO-1, WO-2, WO-L4, WO-L5, and Bottle Rinser Oven for line 5, each with natural gas burners of less than 10 MMBtu/hr. [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.
- (c) Five (5) lines of equipment for metal working, processing hot water, closed loop heating and cooling, and ovens identified as WO-1, WO-2, WO-L4, WO-L5, and Bottle Rinser Oven for line 5, each with natural gas burners of less than 10 MMBtu/hr. [326 IAC 6-3-2].

## SECTION E.1 FACILITY OPERATION CONDITIONS

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

- (a) Six (6) lithographic printing presses for printing and overvarnish:
- (1) Two (2) lines: one (1), identified as PTR-1, approved for construction in 2010, and one (1), identified as PTR-2, constructed in 1993, each with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with two (2) natural gas-fired drying ovens, identified as PO-1 and PO-2, constructed in 1993. PO-1, modified in 2010, is rated at 6 MMBtu/hr, and PO-2 is rated at 4 MMBtu/hr, with both exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, PTR-1, PTR-2, PO-1 and PO-2 are considered affected facilities];
  - (2) One (1) identified as PTR-3, constructed in 1993, with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (PO-3), rated at 4 MMBtu/hr, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, PTR-3 and PO-3 are considered affected facilities];
  - (3) Two (2) lines: one (1), identified as PTR 4-1, constructed in 1993, and one (1), identified as PTR 4-2, constructed 2008, with a combined nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds possible within the VOC emission cap, with two (2) natural gas-fired drying ovens, identified as PO-04-1 and PO-04-2, each rated at 2.7 MMBtu/hr, and exhausting to the thermal oxidizer, RTO1. PO-04-1 was approved for construction in 2010 and PO-04-2 was constructed in 2008. [Under 40 CFR 60, Subpart WW, PTR 04-1, PTR 04-2, PO-04-1, and PO-04-2 are considered affected facilities]; and
  - (4) One (1), identified as PTR-5, approved for construction in 2008, with a nominal capacity of 55,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (PO-5), rated at less than ten (10) MMBtu/hr, and exhausting to the thermal oxidizer RTO-1 [Under 40 CFR 60, Subpart WW, PTR-5 and PO-5 are considered affected facilities].
- (b) Five (5) inside spray machine lines:
- (1) Two (2) constructed in 1993, identified as ISM-1 and ISM-2, each consisting of six machines, each using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, each with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with two (2) natural gas-fired drying ovens (ISO-1 and ISO-2), each rated at 6.0 MMBtu/hr, and each exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-1, ISM-2, ISO-1 and ISO-2 are considered affected facilities];
  - (2) One (1) constructed in 1993, identified as ISM-3, consisting of six machines, each using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (ISO-3), approved for construction in 2010, rated at 7.5 MMBtu/hr, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-3 and ISO-3 are considered affected facilities];
  - (3) One (1) approved for construction in 2008, identified as ISM-4, using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with natural gas drying oven (ISO-4), with two (2) 0.8 MMBtu/hr burners and one (1) 1.6 MMBtu/hr burner, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-4 and ISO-4 are considered affected facilities]; and

- (4) One (1) approved for construction in 2008, identified as ISM-5, using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, with a nominal capacity of 55,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with natural gas drying oven (ISO-5), with three (3) burners, two rated at less than 1 MMBtu/hr and one at less than 0.4 MMBtu/hr each, and exhausting to thermal oxidizer RTO-1 [Under 40 CFR 60, Subpart WW, ISM-5 and ISO-5 are considered affected facilities].

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

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

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

---

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1 for the six (6) lithographic printing presses (PTR-1, PTR-2, PTR-3, PTR-04-1, PTR-04-2, and PTR-5,) for overvarnish and the five (5) inside spray machine lines (ISM-1 through ISM-5) 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  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

#### **E.1.2 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 six (6) lithographic printing presses (PTR-1, PTR-2, PTR-3, PTR-04-1, PTR-04-2, and PTR-5) for overvarnish and the five (5) inside spray machine lines (ISM-1 through ISM-5). These facilities are subject to the following portions of Subpart WW:

- (1) 40 CFR 60.490
- (2) 40 CFR 60.491
- (3) 40 CFR 60.492
- (4) 40 CFR 60.493
- (5) 40 CFR 60.495
- (6) 40 CFR 60.496

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

**PART 70 OPERATING PERMIT  
CERTIFICATION**

Source Name: Ball Metal Beverage Container Corp.  
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  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
Phone: 317-233-0178  
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT  
EMERGENCY OCCURRENCE REPORT**

Source Name: Ball Metal Beverage Container Corp.  
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**

- This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), no later than four (4) daytime business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
  - The Permittee must submit notice in writing or by facsimile no later than 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 <sub>2</sub> , VOC, NO <sub>x</sub> , 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: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF AIR QUALITY  
 COMPLIANCE DATA SECTION  
 Part 70 Quarterly Report**

Source Name: Ball Metal Beverage Container Corp.  
 Source Address: 501 North Sixth Monticello Indiana 47960  
 Mailing Address: 501 North Sixth Monticello Indiana 47960  
 Part 70 Permit No.: T181-17684-00022  
 Facility: The six (6) lithographic printing presses and overvarnish lines PTR-1, PTR-2, PTR-3, PTR-4-1, PTR-4-2, PTR-5, and the five (5) inside spray machine lines (ISM-1 through ISM-5)  
 Parameter: VOC Emissions  
 Limit: Use of VOC, including coatings, dilution solvents, and cleaning solvents shall be limited such that the potential to emit VOC shall be less than 240.2 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. VOC emissions shall be calculated using the equation in Condition D.1.5(b).

YEAR: \_\_\_\_\_

Month (Specify Dates)	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1: From: _____ To: _____			
Month 2: From: _____ To: _____			
Month 3 From: _____ To: _____			

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

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**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 Corp.  
 Source Address: 501 North Sixth Monticello Indiana 47960  
 Mailing Address: 501 North Sixth Monticello Indiana 47960  
 Part 70 Permit No.: T181-17684-00022

**Dates:** \_\_\_\_\_ **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	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

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

Form Completed By: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**Indiana Department of Environmental Management**  
Office of Air Quality  
**Attachment A:**

**Beverage Can Surface Coating Industry**  
**NSPS Requirements**  
**[40 CFR Part 60, Subpart WW ]**

Source Name:	Ball Metal Beverage Container Corp
Source Location:	501 N 6 <sup>th</sup> St
County:	White
SIC Code:	3411
Part 70 Operating Permit No.:	T181-17684-00022
Permit Reviewer:	RT/EVP

**§ 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).

[48 FR 38737, Aug. 25, 1983, as amended at 65 FR 61763, Oct. 17, 2000]

### § 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:

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

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.

(2) An owner or operator shall use the following procedures for each affected facility that uses a capture system and a control device that destroys VOC (e.g., incinerator) to comply with the emission limit specified under §60.492.

(i) Determine the overall reduction efficiency (R) for the capture system and control device.

For the initial performance test, the overall reduction efficiency (R) shall be determined as prescribed in paragraphs (b)(2)(i) (A), (B), and (C) of this section. In subsequent months, the owner or operator may use the most recently determined overall reduction efficiency for the performance test providing control device and capture system operating conditions have not changed. The procedure in paragraphs (b)(2)(i), (A), (B), and (C) of this section, shall be repeated when directed by the Administrator or when the owner or operator elects to operate the control device or capture system at conditions different from the initial performance test.

(A) Determine the fraction (F) of total VOC used by the affected facility that enters the control device using the following equation:

$$F = S_e H_e + S_k H_k, \quad (5)$$

where  $H_e$  and  $H_k$  shall be determined by a method that has been previously approved by the Administrator. The owner or operator may use the values of  $S_e$  and  $S_k$  specified in table 1 or other values determined by a method that has been previously approved by the Administrator.

Table 1—Distribution of VOC Emissions

Coating operation	Emission distribution	
	Coater/flashoff (S <sub>e</sub> )	Curing oven (S <sub>h</sub> )
Two-piece aluminum or steel can:		
Exterior base coat operation	0.75	0.25
Overvarnish coating operation	0.75	0.25
Inside spray coating operation	0.80	0.20

(B) Determine the destruction efficiency of the control device (E) using values of the volumetric flow rate of each of the gas streams and the VOC content (as carbon) of each of the gas streams in and out of the device by the following equation:

$$E = \frac{\sum_{i=1}^n Q_{\delta i} C_{\delta i} - \sum_{j=1}^m Q_{\alpha j} C_{\alpha j}}{\sum_{i=1}^n Q_{\delta i} C_{\delta i}}, \quad (6)$$

where n is the number of vents before the control device, and m is the number of vents after the control device.

(C) Determine overall reduction efficiency (R) using the following equation:

$$R = EF \quad (7)$$

(ii) Calculate the volume-weighted average of the total mass of VOC per volume of coating solids (G) used during the calendar month for the affected facility using equations (1), (2), and (3).

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

$$N = G \times [1 - R] \quad (8)$$

(iv) If the volume-weighted average of mass of VOC emitted to the atmosphere for the calendar month (N) is equal to or less than the applicable emission limit specified under §60.492, the affected facility is in compliance.

(3) An owner or operator shall use the following procedure for each affected facility that uses a capture system and a control device that recovers the VOC (e.g., carbon adsorber) to comply with the applicable emission limit specified under §60.492.

(i) Calculate the volume-weighted average of the total mass of VOC per unit volume of coating solids applied (G) used during the calendar month for the affected facility using equations (1), (2), and (3).

(ii) Calculate the total mass of VOC recovered (M<sub>r</sub>) during each calendar month using the following equation:

$$M_r = L_r D_r \quad (9)$$

(iii) Calculate overall reduction efficiency of the control device (R) for the calendar month for the affected facility using the following equation:

$$R = \frac{M_v}{M_o + M_d} \quad (10)$$

(iv) Calculate the volume-weighted average mass of VOC discharged to the atmosphere (N) for the calendar month for the affected facility using equation (8).

(v) If the weighted average of VOC emitted to the atmosphere for the calendar month (N) is equal to or less than the applicable emission limit specified under §60.492, the affected facility is in compliance.

[48 FR 38737, Aug. 25, 1983, as amended at 65 FR 61763, Oct. 17, 2000]

### § 60.494 Monitoring of emissions and operations

The owner or operator of an affected facility that uses a capture system and an incinerator to comply with the emission limits specified under §60.492 shall install, calibrate, maintain, and operate temperature measurement devices as prescribed below.

(a) Where thermal incineration is used, a temperature measurement device shall be installed in the firebox. Where catalytic incineration is used, temperature measurement devices shall be installed in the gas stream immediately before and after the catalyst bed.

(b) Each temperature measurement device shall be installed, calibrated, and maintained according to the manufacturer's specifications. The device shall have an accuracy of 0.75 percent of the temperature being measured, expressed in degrees Celsius, or  $\pm 2.5$  °C, whichever is greater.

(c) Each temperature measurement device shall be equipped with a recording device so that a permanent continuous record is produced.

[48 FR 38737, Aug. 25, 1983, as amended at 65 FR 61763, Oct. 17, 2000]

### § 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.

(3) Where compliance is achieved through the use of incineration, the owner or operator shall include in the initial performance test required under §60.8(a) the combustion temperature (or the gas temperature upstream and downstream of the catalyst bed), the total mass of VOC per volume of coating solids before and after the incinerator, capture efficiency, and the destruction efficiency of the incinerator used to attain compliance with the applicable emission limit specified under §60.492. The owner or operator shall also include a description of the method used to establish the amount of VOC captured by the capture system and sent to the control device.

(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.

(c) Following the initial performance test, the owner or operator of an affected facility shall identify, record, and submit at the frequency specified in §60.7(c) the following:

(1) Where compliance with §60.492 is achieved through the use of thermal incineration, each 3-hour period when cans are processed, during which the average temperature of the device was more than 28 °C below the average temperature of the device during the most recent performance test at which destruction efficiency was determined as specified under §60.493.

(2) Where compliance with §60.492 is achieved through the use of catalytic incineration, each 3-hour period when cans are being processed, during which the average temperature of the device immediately before the catalyst bed is more than 28 °C below the average temperature of the device immediately before the catalyst bed during the most recent performance test at which destruction efficiency was determined as specified under §60.493 and all 3-hour periods, when cans are being processed, during which the average temperature difference across the catalyst bed is less than 80 percent of the average temperature difference across the catalyst bed during the most recent performance test at which destruction efficiency was determined as specified under §60.494.

(3) For thermal and catalytic incinerators, if no such periods as described in paragraphs (c)(1) and (c)(2) of this section occur, the owner or operator shall state this in the report.

(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.

[47 FR 49612, Nov. 1, 1982, as amended at 55 FR 51384, Dec. 13, 1990; 65 FR 61763, Oct. 17, 2000]

## **§ 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 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.

(2) Method 25 or an equivalent or alternative method for the determination of the VOC concentration in the effluent gas entering and leaving the control device for each stack equipped with an emission control device. The owner or operator shall notify the Administrator at least 30 days in advance of any State test using Method 25. The following reference methods are to be used in conjunction with Method 25:

(i) Method 1 for sample and velocity traverses,

(ii) Method 2 for velocity and volumetric flow rate,

(iii) Method 3 for gas analysis, and

(iv) Method 4 for stack gas moisture.

(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.

(c) For Method 25, the sampling time for each of three runs must be at least 1 hour. The minimum sample volume must be 0.003 dscm except that shorter sampling times or smaller volumes, when necessitated by process variables or other factors, may be approved by the Administrator. The Administrator will approve the sampling of representative stacks on a case-by-case basis if the owner or operator can demonstrate to the satisfaction of the Administrator that the testing of representative stacks would yield results comparable to those that would be obtained by testing all stacks.

Ball Metal Beverage Corp.  
Monticello, Indiana  
Permit Reviewer: RT/EVP

[48 FR 38737, Aug. 25, 1983, as amended at 65 FR 61763, Oct. 17, 2000]

## Indiana Department of Environmental Management Office of Air Quality

### Addendum to the Technical Support Document (TSD) for a Part 70 Significant Source Modification and a Part 70 Significant Permit Modification

#### Source Description and Location

Source Name:	Ball Metal Beverage Corporation
Source Location:	501 N. Sixth St., Monticello, IN 47960
County:	White
SIC Code:	3411
Operation Permit No.:	T 181-17684-00022
Operation Permit Issuance Date:	November 16, 2006
Significant Source Modification No.:	181-28869-00022
Significant Permit Modification No.:	181-29015-00022
Permit Reviewer:	James Mackenzie

#### Public Notice Information

On April 17 2010, the Office of Air Quality (OAQ) had a notice published in Monticello Herald Journal in Monticello, Indiana, stating that the Ball Metal Beverage Container Corp. had applied for a significant modification to their Part 70 Operating Permit First Renewal issued on November 13, 2006 relating to the installation and operation of one new lithographic printer, one new decorator bake oven, and one new inside bake oven, and the modification of natural gas burners in an existing decorator oven. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

#### Comments Received

On May 12, 2010 OAQ received comments from Tom Knight and Virginia Peck, of Ball Metal Beverage Container Corp. The comments are summarized in the subsequent pages, with IDEM's corresponding responses.

The IDEM does not amend the Technical Support Document (TSD). The TSD is maintained to document the original review. This addendum to the TSD is used to document responses to comments and changes made from the time the permit was drafted until a final decision is made.

The summary of the comments and IDEM, OAQ responses, including changes to the permit (language deleted is shown in ~~strikeout~~ and language added is shown in **bold**) are as follows:

**Comment 1:**

In the Technical Support Document (TSD), the text for the attainment status table identifies Whitley County. The correct county of operation is White County.

**IDEM Response:**

IDEM agrees. The correct county nomination is White. No change to the permit results from the discrepancy. The permit is unaffected. The table should appear as follows:

Sec. 92. The following attainment status designations are applicable to White County:

Pollutant	Designation
SO <sub>2</sub>	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O <sub>3</sub>	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard. <sup>1</sup>
PM <sub>10</sub>	Unclassifiable effective November 15, 1990.
NO <sub>2</sub>	Cannot be classified or better than national standards.
Pb	Not designated.

<sup>1</sup>Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.  
Unclassifiable or attainment effective April 5, 2005, for PM2.5.

*(Air Pollution Control Board; 326 IAC 1-4-92; filed Dec 26, 2007, 1:43 p.m.: 20080123-IR-326070308FRA)*

**IDEM Contact**

Questions regarding this proposed permit can be directed to James Mackenzie at the Indiana Department Environmental Management, Office of Air Quality, 100 North Senate Avenue, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-2641 or toll free at 1-800-451-6027 extension 3-2641.

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

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

**Source Description and Location**

Source Name:	Ball Metal Beverage Corporation
Source Location:	501 N. Sixth St., Monticello, IN 47960
County:	White
SIC Code:	3411
Operation Permit No.:	T 181-17684-00022
Operation Permit Issuance Date:	November 16, 2006
Significant Source Modification No.:	181-28869-00022
Significant Permit Modification No.:	181-29015-00022
Permit Reviewer:	James Mackenzie

**Existing Approvals**

The source was issued Part 70 Operating Permit No. T 181-17684-00022 on November 16, 2006. The source has since received the following approvals:

- (a) Administrative Amendment No. 181-24828-00022, issued on August 8, 2007
- (b) Minor Source Modification No. 181-25614-00022, issued on March 14, 2008
- (c) Significant Permit Modification No. 181-25621-00022, issued on May 12, 2008
- (d) Minor Source Modification No. 181-26874-00022, issued on October 10, 2008
- (e) Significant Permit Modification No. 181-26916-00022, issued on December 4, 2008

**County Attainment Status**

The source is located in White County.

Sec. 93. The following attainment status designations are applicable to Whitley County:

Pollutant	Designation
SO <sub>2</sub>	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O <sub>3</sub>	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard. <sup>1</sup>
PM <sub>10</sub>	Unclassifiable effective November 15, 1990.
NO <sub>2</sub>	Cannot be classified or better than national standards.
Pb	Not designated.
<sup>1</sup> Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM <sub>2.5</sub> .	

(a) Ozone Standards

- (1) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.
- (2) On September 6, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Allen, Clark, Elkhart, Floyd, LaPorte, and St. Joseph as attainment for the 8-hour ozone standard.
- (3) On November 9, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Boone, Clark, Elkhart, Floyd, LaPorte, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan, Shelby, and St. Joseph as attainment for the 8-hour ozone standard.
- (4) Volatile organic compounds (VOC) and Nitrogen Oxides (NO<sub>x</sub>) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO<sub>x</sub> emissions are considered when evaluating the rule applicability relating to ozone. White County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) PM<sub>2.5</sub>

White County has been classified as attainment for PM<sub>2.5</sub>. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM<sub>2.5</sub> emissions, and the effective date of these rules was July 15<sup>th</sup>, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM<sub>10</sub> emissions as a surrogate for PM<sub>2.5</sub> emissions until 326 IAC 2-2 is revised.

(c) Other Criteria Pollutants

White County has been classified as attainment or unclassifiable in Indiana for SO<sub>2</sub>, CO, O<sub>3</sub>, PM<sub>10</sub>, NO<sub>2</sub>, and Pb. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

<b>Source Status</b>
----------------------

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

Pollutant	Emissions (ton/yr)
PM	7.06
PM <sub>10</sub>	11.56
SO <sub>2</sub>	3.22
VOC	249.0
CO	66.39
NO <sub>x</sub>	79.04

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) These emissions are taken from Significant Permit Modification 181-26916-00022.

The table below summarizes the potential to emit HAPs for the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

HAPs	Potential To Emit (ton/yr)
2-(2-butoxyethoxy) ethanol	7.6
Other HAP's	1.0
<b>All HAPS's Total</b>	<b>8.6</b>

This existing source is not a major source of HAPs, as defined in 40 CFR 63.2, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

#### Description of Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Ball Metal Beverage Container Corp. on January 11, 2010, relating to the installation and operation of one new lithographic printer, one new decorator bake oven, and one new inside bake oven, and the modification of natural gas burners in an existing decorator oven. The following is a list of the proposed and modified emission units:

lithographic printing presses for printing and overvarnish:

- (1) Two (2) lines: one (1), identified as PTR-1, approved for construction in 2010, and one (1), identified as PTR-2, constructed in 1993, each with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with two (2) natural gas-fired drying ovens, identified as PO-1 and PO-2, constructed in 1993. PO-1, modified in 2010, is rated at 6 MMBtu/hr, and PO-2 is rated at 4 MMBtu/hr, with both exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, PTR-1, PTR-2, PO-1 and PO-2 are considered affected facilities];
- (3) Two (2) lines: one (1), identified as PTR 4-1, constructed in 1993, and one (1), identified as PTR 4-2, constructed 2008, with a combined nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds possible within the VOC emission cap, with two (2) natural gas-fired drying ovens, identified as PO-04-1 and PO-04-2, each rated at 2.7 MMBtu/hr, and exhausting to the thermal oxidizer, RTO1. PO-04-1 was approved for construction in 2010 and PO-04-2 was constructed in 2008. [Under 40 CFR 60, Subpart WW, PTR 04-1, PTR 04-2, PO-04-1, and PO-04-2 are considered affected facilities]; and

inside spray machine lines:

- (2) One (1) constructed in 1993, identified as ISM-3, consisting of six machines, each using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (ISO-3), approved for construction in 2010, rated at 7.5 MMBtu/hr, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-3 and ISO-3 are considered affected facilities];

**Enforcement Issues**

There are no pending enforcement actions.

**Emission Calculations**

See Appendix A of this Technical Support Document for detailed emission calculations.

**Permit Level Determination – Part 70**

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit 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, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

<b>Total PTE Change due to the Modification</b>			
<b>Pollutant</b>	<b>PTE New Emission Units (ton/yr)</b>	<b>Net Increase to PTE of Modified Emission Units (ton/yr)</b>	<b>Total PTE for New and Modified Units (ton/yr)</b>
PM	0.08	0.02	0.10
PM <sub>10</sub>	0.33	0.07	0.40
SO <sub>2</sub>	0.03	0.01	0.04
VOC	66.3	0.1	66.4
CO	3.7	0.7	4.4
NO <sub>x</sub>	4.4	0.9	5.3
HAPs	0.08	0.02	0.10

This source modification is subject to 326 IAC 2-7-10.5 (f)(4)(a) because it has a potential to emit greater than 25 tons per year of VOC. Additionally, the modification will be incorporated into the Part 70 Operating Permit through a Significant permit modification issued pursuant to 326 IAC 2-7-12 because the modification requires significant changes to Part 70 conditions.

**Permit Level Determination – PSD or Emission Offset**

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 source modification, 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 - After Issuance (ton/yr)					
	PM	PM <sub>10</sub>	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>
Overvarnish & Ink Printing; PTR-1	0.0	0.0	0.0	66.1	0.0	0.0
Modify oven PO-1/ Install ovens PO-4-1 & ISO-3	0.1	0.4	0.03	0.3	4.4	5.2
Total for Modification	0.1	0.4	0.03	66.4	4.4	5.2
Total for Source Before Modification	7.06	11.56	3.22	< 250	66.39	79.04
Total for Source After Modification	7.16	11.96	3.25	< 250	70.79	84.24
Major Source Threshold or Significant Level	250	250	250	250	250	250

This modification to an existing minor stationary source is not major because the sourcewide emissions are still less than the PSD major source threshold. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

**Federal Rule Applicability Determination**

The following federal rules are applicable to the source due to this modification:

(a) **NSPS:**  
 There are no additional New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.

(b) **NESHAP:**  
 The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources (40 CFR 63, Subpart HHHHHH), are not included in the permit, since the coatings used do not contain target HAPs (chromium, lead, manganese, nickel, and cadmium).

There are no additional National Emissions Standards for Hazardous Air Pollutants (NESHAPS)(326 IAC 20 and 40 CFR Part 63) applicable to this proposed modification.

(c) **CAM:**  
 Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:

- (1) has a potential to emit before controls equal to or greater than the Part 70 major source threshold for the pollutant involved;
- (2) is subject to an emission limitation or standard for that pollutant; and
- (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The following table is used to identify the applicability of each of the criteria, under 40 CFR 64.1, to each new or modified emission unit involved:

<b>Table 1: CAM Applicability Analysis</b>							
<b>Emission Unit / Pollutant</b>	<b>Control Device Used</b>	<b>Emission Limitation (Y/N)</b>	<b>Uncontr'ld PTE (ton/yr)</b>	<b>Contr'ld PTE (ton/yr)</b>	<b>Major Source Threshold (ton/yr)</b>	<b>CAM Applicable (Y/N)</b>	<b>Large Unit (Y/N)</b>
PTR-1 / VOC	RTO	Y	66.1	32.1	100	N	N

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are not applicable to any of the new units as part of this modification.

**State Rule Applicability Determination**

**326 IAC 2-4.1 (Major Source of Hazardous Air Pollutants)**

Printer PTR-1, oven PO-1 and oven ISO-3 have single HAP and combined HAP's uncontrolled potentials to emit of less than 10 tens per year, and 25 tons per year, respectively. Therefore, IAC 326 2-4.1 does not apply to printer PTR-1, oven PO-1 and oven ISO-3.

There are no new state rules applicable to the source due to the modification.

**Compliance Determination and Monitoring Requirements**

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

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

There are no new Compliance Determination Requirements applicable to this modification.

**Proposed Changes**

The changes listed below have been made to Part 70 Operating Permit No. T181-17684-00022. Deleted language appears as strikethroughs and new language appears in bold:

**Change No. 1:** The descriptive information in sections "A", "D" and "E" have been revised to reflect this modification. (Section A is demonstrated - Sections D and E are identical) Numerical specification of the production capacity is not needed in the description because operational conditions of the permit bear on the quantity of VOC usage, which is documented by record keeping. Accordingly, the references to production capacity have

been removed. Descriptive information for the degreasing operations and washer ovens included in the insignificant activities has been revised.

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) ~~Five (5)~~ **Six (6)** lithographic printing presses for printing and overvarnish:
- ~~(1) Two (2) constructed in 1993, identified as PTR-1 and PTR-2, each with a maximum worst case emission capacity which is based on 138,000 twelve (12) ounce cans per hour, variable can sizes and line speeds are possible within the VOC emission cap, with two (2) natural gas-fired drying ovens (PO-1 and PO-2), each rated at 4 MMBtu/hr, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, PTR-1, PTR-2, PO-1 and PO-2 are considered existing affected facilities];~~
  - (1) Two (2) lines: one (1), identified as PTR-1, approved for construction in 2010, and one (1), identified as PTR-2, constructed in 1993, each with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with two (2) natural gas-fired drying ovens, identified as PO-1 and PO-2, constructed in 1993. PO-1, modified in 2010, is rated at 6 MMBtu/hr, and PO-2 is rated at 4 MMBtu/hr, with both exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, PTR-1, PTR-2, PO-1 and PO-2 are considered affected facilities];**
  - ~~(2) One (1) identified as PTR-3, with a maximum worst case emission capacity which is based on 114,000 sixteen (16) ounce cans per hour, variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (PO-3), rated at 4 MMBtu/hr, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, PTR-3 and PO-3 are considered existing affected facilities];~~
  - (2) One (1) identified as PTR-3, constructed in 1993, with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (PO-3), rated at 4 MMBtu/hr, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, PTR-3 and PO-3 are considered affected facilities];**
  - ~~(3) One (1) approved for construction in 2008, identified as PTR-4, with a maximum worst case emission capacity which is based on 102,000 twenty four (24) ounce cans per hour, variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (PO-4), rated at 2.7 MMBtu/hr, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, PTR-4 and PO-4 are considered existing affected facilities]; and~~

**(3) Two (2) lines: one (1), identified as PTR 4-1, constructed in 1993, and one (1), identified as PTR 4-2, constructed 2008, with a combined nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds possible within the VOC emission cap, with two (2) natural gas-fired drying ovens, identified as PO-04-1 and PO-04-2, each rated at 2.7 MMBtu/hr, and exhausting to the thermal oxidizer, RTO1. PO-04-1 was approved for construction in 2010 and PO-04-2 was constructed in 2008. [Under 40 CFR 60, Subpart WW, PTR 04-1, PTR 04-2, PO-04-1, and PO-04-2 are considered affected facilities]; and**

~~(4) One (1) approved for construction in 2008, identified as PTR-5, with a maximum worst case emission capacity which is based on 43,200 cans per hour, v Variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (PO-5), rated at less than ten (10) MMBtu/hr, and exhausting to the thermal oxidizer RTO-1 [Under 40 CFR 60, Subpart WW, PTR-5 and PO-5 are considered affected facilities].~~

**(4) One (1), identified as PTR-5, approved for construction in 2008, with a nominal capacity of 55,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (PO-5), rated at less than ten (10) MMBtu/hr, and exhausting to the thermal oxidizer RTO-1 [Under 40 CFR 60, Subpart WW, PTR-5 and PO-5 are considered affected facilities].**

... ..

(c) Five (5) inside spray machine lines:

~~(1) Two (2) constructed in 1993, identified as ISM-1 and ISM-2, each consisting of six machines, each using airless application systems with filtering so that no overspray is visibly detectable at the exhaust., each with a maximum worst case emission capacity which is based on 138,000 twelve (12) ounce cans per hour, variable can sizes and line speeds are possible within the VOC emission cap, with two (2) natural gas-fired drying ovens (ISO-1 and ISO-2), each rated at 6.0 MMBtu/hr, and each exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-1, ISM-2, ISO-1 and ISO-2 are considered existing affected facilities];~~

**(1) Two (2) constructed in 1993, identified as ISM-1 and ISM-2, each consisting of six machines, each using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, each with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with two (2) natural gas-fired drying ovens (ISO-1 and ISO-2), each rated at 6.0 MMBtu/hr, and each exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-1, ISM-2, ISO-1 and ISO-2 are considered affected facilities];**

~~(2) One (1) constructed in 1993, identified as ISM-3, consisting of six machines, each using airless application systems with filtering so that no overspray is visibly detectable at the exhaust., each with~~

~~a maximum worst case emission capacity which is based on 138,000 twelve (12) ounce cans per hour, variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (ISO-3), rated at 6.0 MMBtu/hr, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-3 and ISO-3 are considered existing affected facilities];~~

- (2) One (1) constructed in 1993, identified as ISM-3, consisting of six machines, each using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with one (1) natural gas-fired drying oven (ISO-3), approved for construction in 2010, rated at 7.5 MMBtu/hr, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-3 and ISO-3 are considered affected facilities];**
- ~~(3) One (1) approved for construction in 2008, identified as ISM-4, using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, each with a maximum worst case emission capacity which is based on 138,000 twelve (12) ounce cans per hour, variable can sizes and line speeds are possible within the VOC emission cap, with natural gas drying oven (ISO-4), with two (2) 0.8 MMBtu/hr burners and one (1) 1.6 MMBtu/hr burner, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-4 and ISO-4 are considered existing affected facilities]; and~~
- (3) One (1) approved for construction in 2008, identified as ISM-4, using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, with a nominal capacity of 140,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with natural gas drying oven (ISO-4), with two (2) 0.8 MMBtu/hr burners and one (1) 1.6 MMBtu/hr burner, and exhausting to the thermal oxidizer, RTO-1 [Under 40 CFR 60, Subpart WW, ISM-4 and ISO-4 are considered affected facilities]; and**
- ~~(4) One (1) approved for construction in 2008, identified as ISM-5, using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, each with a maximum worst case emission capacity which is based on 138,000 twelve (12) ounce cans per hour, variable can sizes and line speeds are possible within the VOC emission cap, with natural gas drying oven (ISO-5), with three (3) burners, two rated at less than 1 MMBtu/hr and one at less than 0.4 MMBtu/hr each, and exhausting to thermal oxidizer RTO-1 [Under 40 CFR 60, Subpart WW, ISM-5 and ISO-5 are considered affected facilities].~~
- (4) One (1) approved for construction in 2008, identified as ISM-5, using airless application systems with filtering so that no overspray is visibly detectable at the exhaust, with a nominal capacity of 55,000 cans per hour. Variable can sizes and line speeds are possible within the VOC emission cap, with natural gas drying oven (ISO-5), with three (3) burners, two rated at less than 1 MMBtu/hr and one at less than 0.4**

**MMBtu/hr each, and exhausting to thermal oxidizer RTO-1  
 [Under 40 CFR 60, Subpart WW, ISM-5 and ISO-5 are  
 considered affected facilities].**

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) **Organic Solvent** Degreasing operations, **collectively** identified as CPW-01, with a maximum **combined** usage of 220 gallons **VOC** per twelve (12) consecutive month period for cold cleaner parts washing [326 IAC 8-3-2];
- ... ..
- (d) ~~One (1) line~~ Five (5) lines of equipment for metal working, processing hot water, closed loop heating and cooling, and ovens **identified as WO-1, WO-2, WO-L4, WO-L5, and Bottle Rinser Oven for line 5, each** with natural gas burners less of than 10 MMBtu/hr., ~~including: one (1) natural gas-fired Washer Drying Oven, approved for construction in 2008, identified as WO-L5, rated at less than 10 MMBtu/hr~~ [326 IAC 6-3-2].

**Change No. 2:** The emission unit callouts have been revised.

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

- (a) Pursuant to 326 IAC 8-2-3(b), (Can Coating Operations), the operator of ~~five (5)~~ **six (6)** overvarnish lines; PTR-1, ~~through~~ **PTR-2, PTR-3, PTR-04-1, PTR-04-2, and** PTR-5, and five (5) inside spray machine lines, ISM-1 through ISM-5, shall not cause, allow or permit the discharge into the atmosphere of any volatile organic compounds in excess of the following:

Coating Line	326 IAC 8-2-3 Limit (lb VOC/gal, less water)
Interior Spray Lines: ISM-1 to ISM-5	4.2
Overvarnish Lines: PTR-1, <del>to</del> <b>PTR-2, PTR-3, PTR-04-1, PTR-04-2, and</b> PTR-5	2.8

The Permittee shall comply with the VOC content limit in 326 IAC 8-2-3 for inside spray operations ISM-1 to ISM-5 and for printing and overvarnish operations PTR-1, ~~to~~ **PTR-2, PTR-3, PTR-04-1, PTR-04-2, and** PTR-5 by using compliant coatings or daily averaging of VOC content or the use of a VOC control device or the use of daily averaging of VOC content and the use of a VOC control device.

- (b) Whenever a non-compliant coating is used in any one of the printing and overvarnish lines PTR-1, ~~to~~ **PTR-2, PTR-3, PTR-04-1, PTR-04-2, and** PTR-5 or the inside spray lines ISM-1 to ISM-5 and the regenerative thermal oxidizer (RTO-1) is not used to achieve compliance with the VOC content limits in Condition D.1.1(a), compliance with the VOC content limit in Condition D.1.1(a) shall be determined pursuant to 326 IAC 8-1-2(a)(7), using a volume weighted average of coatings on a daily basis. This volume weighted average shall be determined by the following equation:

... ..

(c) Whenever a non-compliant coating is used in any one of the printing and overvarnish lines (PTR-1, ~~to PTR-2, PTR-3, PTR-04-1, PTR-04-2, and PTR-5~~) or the inside spray lines (ISM-1 to ISM-5) and the regenerative thermal oxidizer (RTO-1) is used to comply with the VOC content limit in Condition D.1.1(a), the Permittee shall comply with the following:

(1) Pursuant to 326 IAC 8-1-2 (b), the VOC emissions from a unit not using a compliant coating shall be limited to no greater than the equivalent emissions, expressed as pounds of VOC per gallon of coating solids, allowed in Condition D.1.1(a). The equivalent emission limits are shown in the following table:

Emission Unit	L (lb VOC/gal, less water)	D (lb VOC/gal solvent)	E (lb VOC/gal of coating solids)
Inside Spray Operations ISM-1 to ISM-5	4.2	7.36	9.78
Overvarnish Operations PTR-1, <del>to PTR-2, PTR-3, PTR-04-1, PTR-04-2, and PTR-5</del>	2.8	7.36	4.52

... ..

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

The use of VOC (including coatings, dilution solvents, and cleaning solvents excluding insignificant or exempt activities) at the ~~five (5)~~ **six (6)** lithographic printing presses and overvarnish lines (~~PTR-1 through PTR-5~~) **PTR-1, PTR-2, PTR-3, PTR-04-1, PTR-04-2, and PTR-5**, and the five (5) inside spray machine lines (ISM-1 through ISM-5) shall be limited such that the potential to emit VOC shall be less than 240.2 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

... ..

... ..

**Compliance Determination Requirements**

D.1.5 Volatile Organic Compounds (VOC) [326 IAC 8-1-4] [326 IAC 8-1-2(a)]

... ..

(b) Compliance with the VOC emission limitation in Condition D.1.2 shall be determined based on the following equation:

$$\text{VOC emissions} = (\text{Input VOC to Solvent Wipe Cleaning for Coating Operations}) + [(\text{Input VOC to Printing and Overvarnish Operations PTR-1}) * (1 - \text{CEP1}/100) + (\text{Input VOC to Printing and Overvarnish Operations PTR-2}) * (1 - \text{CEP2}/100) + (\text{Input VOC to Printing and Overvarnish Operations PTR-3}) * (1 - \text{CEP3}/100) + (\text{Input VOC to Printing and Overvarnish Operations PTR-4}) * (1 - \text{CEP4}/100) + (\text{Input VOC to Printing and Overvarnish Operations PTR-5}) * (1 - \text{CEP5}/100)] + [(\text{Input VOC to Inside Spray Operations ISM-1}) * (1 - \text{CEI1}/100) + (\text{Input VOC to Inside Spray Operations ISM-2}) * (1 - \text{CEI2}/100) + (\text{Input VOC to Inside Spray Operations ISM-3}) * (1 - \text{CEI3}/100) + (\text{Input VOC to Inside Spray Operations ISM-4}) * (1 - \text{CEI4}/100) + (\text{Input VOC to Inside Spray Operations ISM-5}) * (1 - \text{CEI5}/100)]$$

$$\text{Operations ISM-4} * (1 - \text{CEI4}/100) + (\text{Input VOC to Inside Spray Operations ISM-5} * (1 - \text{CEI5}/100))$$

Where:

~~CEP1 = Percent Overall VOC Control Efficiency for the thermal oxidizer (RTO-1) for PTR-1, as determined from the latest compliant stack test.~~

~~CEP2 = Percent Overall VOC Control Efficiency for the thermal oxidizer (RTO-1) for PTR-2, as determined from the latest compliant stack test.~~

~~CEP3 = Percent Overall VOC Control Efficiency for the thermal oxidizer (RTO-1) for PTR-3, as determined from the latest compliant stack test.~~

~~CEP4 = Percent Overall VOC Control Efficiency for the thermal oxidizer (RTO-1) for PTR-4, as determined from the latest compliant stack test.~~

~~CEP5 = Percent Overall VOC Control Efficiency for the thermal oxidizer (RTO-1) for PTR-5, as determined from the latest compliant stack test.~~

~~CEI1 = Percent Overall VOC Control Efficiency for the thermal oxidizer (RTO-1) for ISM-1, as determined from the latest compliant stack test.~~

~~CEI2 = Percent Overall VOC Control Efficiency for the thermal oxidizer (RTO-1) for ISM-2, as determined from the latest compliant stack test.~~

~~CEI3 = Percent Overall VOC Control Efficiency for the thermal oxidizer (RTO-1) for ISM-3, as determined from the latest compliant stack test.~~

~~CEI4 = Percent Overall VOC Control Efficiency for the thermal oxidizer (RTO-1) for ISM-4, as determined from the latest compliant stack test.~~

~~CEI5 = Percent Overall VOC Control Efficiency for the thermal oxidizer (RTO-1) for ISM-5, as determined from the latest compliant stack test.~~

**VOC emissions = Input VOC to solvent wipe cleaning for coating operations and coatings not vented to the thermal oxidizer, in a month.**

+

$$\left\{ \begin{array}{l} \text{VOC input to both lithographic process} \\ \text{and inside spray process which are} \\ \text{vented to the thermal oxidizer, in a month} \end{array} \right\} \times C \times \left\{ 1 - \frac{C_{RTO}}{100} \right\}$$

Where:

**C = Capture efficiency of the lithographic print lines PTR-1 through PTR-5 and inside spray lines ISM-1 through ISM-5**

**C<sub>RTO</sub> = Destruction efficiency of the thermal oxidizer**

**These efficiencies shall be as determined by the latest compliant stack test. Until such time that the efficiencies are determined from a compliant stack test, the values used for C and C<sub>RTO</sub> shall be 80% and 95%, respectively.**

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

- (a) ~~No later than July 19, 2012, the Permittee shall conduct a performance test of printing and overvarnish lines PTR-1 to PTR-4 and inside spray lines ISM-1 to ISM-4 to verify the overall 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.~~

**No later than July 19, 2012, the Permittee shall conduct a performance test of the thermal oxidizer to determine the destruction efficiency of the thermal oxidizer at maximum flow rate, as required by Conditions D.1.1(c)(2) and 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.**

- (b) ~~Within one hundred and eighty (180) days after initial startup of PTR-5 and/or ISM-5; whichever is later, the Permittee shall conduct a performance test of printing and overvarnish line PTR-5 and inside spray line ISM-5 to verify the overall VOC control efficiency (as a product of destruction efficiency and capture efficiency) as required by Conditions D.1.1(c)(2) and/or 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.~~

**Within one hundred and eighty (180) days after initial startup of**

**PTR-5 and/or ISM-5; whichever is later, the Permittee shall conduct a performance test to determine the capture efficiency and the destruction efficiency of the thermal oxidizer at maximum flow rate, as required by Conditions D.1.1(c)(2) and/or D.1.2, utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C - Performance Testing.**

- (c) **Within one hundred and eighty (180) days after initial startup of PTR-1, the Permittee shall conduct a performance test to determine the capture efficiency and the destruction efficiency of the thermal oxidizer at maximum flow rate as required by Conditions D.1.1(c)(2) and/or D.1.2, utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C - Performance Testing.**

**Change No. 3:** The first sentence defines the requirement for RTO operation. Section D.7 is revised.

D.1.7 Volatile Organic Compounds (VOC) [326 IAC 8-1-2]

Pursuant to 326 IAC 8-1-2(a) and to comply with Condition D.1.1(a) and (c), the Permittee shall operate the thermal oxidizer (RTO-1) at all times a non-compliant coating is used and daily averaging of VOC content is not used. ~~Proper operation of RTO-1 is required at all times a non-compliant coating is used and daily VOC content averaging is not used.~~

**Change No. 4:** Thermal oxidizer temperature and record keeping of coating use are revised. A sufficient operating temperature of the thermal oxidizer will be indicated through a stack test which successfully demonstrates compliance. Therefore, the previous specification of a temperature of 1300 degree has been removed from Section D - Thermal Oxidizer Temperature. Section D.1.10(a)(6) is duplicative of the condition section D.2.(a)(2). The operation and record keeping requirements are revised as follows:

D.1.9 Thermal Oxidizer Temperature [40 CFR 64]

- (a) A continuous monitoring system shall be calibrated, maintained, and operated on the thermal oxidizer (RTO-1) for measuring operating temperature. For the purpose of this condition, continuous means no less than once per fifteen (15) minutes. The output of this system shall be recorded as the oxidizer operating temperature. The 3-hour average oxidizer temperature shall be determined once per fifteen (15) minutes either as an output of the data acquisition system or by other means. Upon the operation of printing and overvarnish line PTR-5 and inside spray line ISM-5, the Permittee shall operate the thermal oxidizer at or above the 3-hour average temperature of 1300 °F or at a temperature determined by the most recent stack test approved by IDEM. ~~after startup of PTR-5 and ISM-5.~~

... ..

D.1.10 Record Keeping Requirements

... ..

- ~~(6) The dates and times non-compliant coatings are used in PTR-1 to PTR-5 and ISM-1 to ISM-5.~~

... ..

**Change No. 5:** Emission unit callouts have been revised in Section E.

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

---

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1 for the ~~five (5)~~ **six (6)** lithographic printing presses (~~PTR-1 through PTR-5~~) (**PTR-1, PTR-2, PTR-3, PTR-04-1, PTR-04-2, and PTR-5,**) for overvarnish and the five (5) inside spray machine lines (ISM-1 through ISM-5) except as otherwise specified in 40 CFR Part 60, Subpart WW.

... ..

E.1.2 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 ~~five (5)~~ **six (6)** lithographic printing presses (~~PTR-1 through PTR-5~~) (**PTR-1, PTR-2, PTR-3, PTR-04-1, PTR-04-2, and PTR-5**) for overvarnish and the five (5) inside spray machine lines (ISM-1 through ISM-5). ~~Nonapplicable portions of the NESHAP will not be included in the permit.~~ These facilities are subject to the following portions of Subpart WW:

... ..

**Change No. 6:** IDEM Mailing Address change

All references to IDEM, OAQ's mailing address have been revised as follows:

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

**And**

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

**Change No. 7:** Language revisions:

IDEM has decided that the phrases "no later than" and "not later than" are clearer than "within" in relation to the end of a timeline. Therefore all timeline have been switched to "no later than" or "not later than" except for the timelines in; B.24 Annual Fee Payment, B.11 Emergency Provisions. The underlying rules state "within."

326 IAC 2-7 requires that "a responsible official" perform certain actions. 326 IAC 2-7-1(34) allows for multiple people to meet the definition of "responsible official." Therefore, IDEM is revising all instances of "the responsible official" to read "a responsible official."

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

---

... ..

- (c) ... ..

The submittal by the Permittee does require the certification **that meets the requirements of 326 IAC 2-7-6(1)** by the a "responsible official" as

defined by 326 IAC 2-7-1(34).

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

---

(a) ... ..

The PMP extension notification does not require ~~the a~~ certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the a~~ "responsible official" as defined by 326 IAC 2-7-1(34).

... ..

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

---

(b) ... ..

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ ~~within~~ **no later than** four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

... ..

(5) ... ..

The notification which shall be submitted by the Permittee does not require the certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the a~~ "responsible official" as defined by 326 IAC 2-7-1(34).

... ..

... ..

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

---

(a) ... ..

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

... ..

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)][326 IAC 2-7-9]

---

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by ~~the a~~ "responsible official" as defined by 326 IAC 2-7-1(34).

... ..

B.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

---

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

IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the a “responsible official” as defined by 326 IAC 2-7-1(34).

... ..

**B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]**

---

... ..

(b) ... ..

~~Any such application shall be certified by the “responsible official” as defined by 326 IAC 2-7-1(34).~~ Any such application does require a certification that meets the requirements of 326 IAC 276(2) by a “responsible official” as defined by 326 IAC 2-7-1(34).

... ..

... ..

**B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]**

---

... ..

(b) ... ..

~~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).~~ Any such application does require a certification that meets the requirements of 326 IAC 276(2) by a “responsible official” as defined by 326 IAC 2-7-1(34).

... ..

**Change No. 8:** IDEM has decided to clarify what rule requirements a certification needs to meet. IDEM has decided to remove the last sentence dealing with the need for certification from the forms because the Conditions requiring the forms already address this issue.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
Phone: 317-233-0178  
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT  
EMERGENCY OCCURRENCE REPORT**

... ..

A certification is not required for this report.

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

**Part 70 Quarterly Report**

... ..  
~~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**

... ..  
~~Attach a signed certification to complete this report.~~

**Change No. 9:** Section B Duty to provide Information has been revised.

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 that meets the requirements of 326 IAC 2-7-6(1) by the a "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.

... ..

**Change No. 10:** To clarify that Section B Certification only states what a certification must be, IDEM has revised the condition.

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).~~
- (a) **A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:**
- (i) **it contains a certification by a "responsible official", as defined by 326 IAC 2-7-1 (34), and**
  - (ii) **the certification is based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.**

- (b) **The Permittee may use the attached Certification Form, or its equivalent, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.**
- (c) **A "responsible official" is defined at 326 IAC 2-7-1(34).**

**Change No. 11:** IDEM has decided to clarify Section B Preventative Maintenance Plan.

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:~~

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

... ..

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

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

The PMP extension notification does not require ~~the a~~ certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the a~~ "responsible official" as defined by 326 IAC 2-7-1(34).

... ..

**Change No. 12:** IDEM, OAQ is revising Section B - Emergency Provisions to delete paragraph (h). 326 IAC 2-7-5(3)(C)(ii) allows that deviations reported under an independent requirement do not have to be included in the Quarterly Deviation and Compliance Monitoring Report.

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

---

... ..

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

**Change No. 13:** IDEM, OAQ has decided that having a separate condition for the reporting of deviations is unnecessary. Therefore, IDEM has removed Section B - Deviation form Permit Requirements and Conditions and added the requirements of that condition to Section C - General Reporting Requirements. Paragraph (d) of Section C - General Reporting

Requirements has been removed because IDEM already states the timeline and certification needs of each report in the condition requiring the report.

~~B.15 [Reserved] -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 and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251**~~

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

~~———— The Quarterly Deviation and Compliance Monitoring Report does require the certification by the a “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.~~

**Change No. 14:** IDEM has decided to state which rule establishes the authority to set a deadline for the Permittee to submit additional information. Therefore, Section B - Permit Renewal has been revised.

~~B.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]~~

~~... ..~~

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

**Change No. 15:** IDEM has decided to state that no notice is required for approved changes in Section B - Permit Revision Under Economic Incentives and Other Programs.

~~B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b)(2)]~~

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

**Change No. 16:** IDEM has added 326 IAC 5-1-1 to the exception clause of Section C - Opacity, since 326 IAC 5-1-1 does list exceptions.

C.2 Opacity [326 IAC 5-1]

---

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

... ..

**Change No. 17:** IDEM has revised Section C - Incineration to more closely reflect the two underlying rules.

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

---

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

**Change No. 18:** IDEM has removed the first paragraph of Section C - Performance Testing due to the fact that specific testing conditions elsewhere in the permit will specify the timeline and procedures.

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

---

(a) ... ..

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the a~~ "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 a certification **that meets the requirements of 326 IAC 2-7-6(1)** by ~~the a~~ "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. **The extension request submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by the a "responsible official" as defined by 326 IAC 2-7-1(34).**

**Change No. 19:** IDEM has revised Section C - Compliance Monitoring. The reference to recordkeeping has been removed due to the fact that other conditions already address recordkeeping. The voice of the condition has been change to clearly indicate that it is the Permittee that must follow the requirements of the condition.

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:~~

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

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

~~in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date. The notification which shall be submitted by the Permittee does require the a certification that meets the requirements of 326 IAC 2-7-6(1) by the a "responsible official" as defined by 326 IAC 2-7-1(34).~~

... ..

**Change No. 20:** IDEM has revised Section C - Response to Excursions or Exceedances. The introduction sentence has been added to clarify that it is only when an excursion or exceedance is detected that the requirements of this condition need to be followed. The word "excess" was added to the last sentence of paragraph (a) because the Permittee only has to minimize excess emissions. The middle of paragraph (b) has been deleted as it was duplicative of paragraph (a). The phrase "or are returning" was added to subparagraph (b)(2) as this is an acceptable response assuming the operation or emission unit does return to normal or its usual manner of operation. The phrase "within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable" was replaced with "normal or usual manner of operation" because the first phrase is just a limited list of the second phrase. The recordkeeping required by paragraph (e) was changed to require only records of the response because the previously listed items are required to be recorded elsewhere in the permit.

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

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

- (a) ~~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 **The response** may include, but ~~are~~ **is** not limited to, the following:
- (1) initial inspection and evaluation;
  - (2) recording that operations returned **or are returning** to normal without operator action (such as through response by a computerized distribution control system); or
  - (3) any necessary follow-up actions to return operation to ~~within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.~~ **normal or usual manner of operation.**
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not **necessarily** limited to, the following:  
... ..
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall ~~maintain the following records:~~ **record the reasonable responses steps taken.**
- (1) ~~monitoring data;~~
  - (2) ~~monitor performance data, if applicable; and~~
  - (3) ~~corrective actions taken.~~

**Change No. 21:** IDEM has revised Section C - Actions Related to Noncompliance Demonstrated by a Stack Test. The requirements to take response steps and minimize excess emissions have been removed because Section C - Response to Excursions or Exceedances already requires response steps related to exceedances and excess emissions minimization. The start of the timelines was switched from "the receipt of the test results" to "the date of the test." There was confusion if the "receipt" was by IDEM, the Permittee, or someone else. Since the start of the timelines has been moved up, the length of the timelines was increased. The new timelines require action within a comparable timeline; and the new timelines still ensure that the Permittee will return to compliance within a reasonable timeframe.

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.~~

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

- (b) ~~A retest to demonstrate compliance shall be performed 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 twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.~~  
**A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline**
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification **that meets the requirements of 326 IAC 326 IAC 2-7-6(1)** by ~~the~~ a "responsible official" as defined by 326 IAC 2-7-1(34).

**Change No. 22:** Paragraph (b) of Section C - Emission Statement has been removed. It was duplicative of the requirement in Section C - General Reporting Requirements.

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]

---

... ..

~~(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.~~

**Change No. 23:** Paragraph (b) of Section C - Emission Statement has been removed. It was duplicative of the requirement in Section C - General Reporting Requirements.

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.~~  
**Unless otherwise specified in this permit, for all record keeping**

**requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.**

**Change No. 24:** The voice of paragraph (b) of Section C - General Record Keeping Requirements has been change to clearly indicate that it is the Permittee that must follow the requirements of the paragraph.

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

---

... ..

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

**Change No. 25:** IDEM has revised the language for Section C General Reporting Requirements.

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, **except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.** This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the a "responsible official" as defined by 326 IAC 2-7-1(34). **A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.**

- (b) ~~The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:~~  
**The address for report submittal is:**

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

... ..

- (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 (e) 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.~~

**(d) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. 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.**

**Change No. 26:** IDEM has decided to simplify the referencing in Section C - Compliance with 40 CFR 82 and 326 IAC 22-1.

**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 **applicable** 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 82.164.~~

<b>Conclusion and Recommendation</b>
--------------------------------------

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 181-28869-00022 and Significant Permit Modification No. 181-29015-00022. The staff recommend to the Commissioner that this Part 70 Significant Source and Significant Permit Modification be approved.

**SUMMARY**

Printer: PTR-1  
 Printer Ovens: PO-1 & PO-04-1  
 Inside Bake Oven: ISO-3

**MODIFICATION**

Process / Emission Unit	Unrestricted Potential to Emit (ton/yr)							Total HAPs
	PM <sub>10</sub>	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Single HAP	
Overvarnish & Ink Printing; PTR-1	0.00	0.00	0.00	0.00	66.1	0.00	0.00	0.00
Print Ovens: PO-01, & P0-04-1 and Inside Bake Oven: ISO-3	0.1	0.4	0.03	5.2	0.3	4.4	0.09 - hexane	0.10
<b>Total</b>	<b>0.1</b>	<b>0.4</b>	<b>0.03</b>	<b>5.2</b>	<b>66.4</b>	<b>4.4</b>	<b>0.09 - hexane</b>	<b>0.1</b>

Process / Emission Unit	Controlled Emissions (ton/yr)							Total HAPs
	PM	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Single HAP	
Overvarnish & Ink Printing; PTR-1	0.00	0.00	0.00	0.00	32.1	0.00	0.00	0.00
Print Ovens: PO-01, & P0-04-1 and Inside Bake Oven: ISO-3	0.1	0.4	0.03	5.2	0.3	0.0	0.09 - hexane	0.00
<b>Total</b>	<b>0.1</b>	<b>0.4</b>	<b>0.03</b>	<b>5.2</b>	<b>32.4</b>	<b>0.0</b>	<b>0.09 - hexane</b>	<b>0.1</b>

**SOURCEWIDE LIMITS AFTER MODIFICATION**

Process / Emission Unit	Limited Potential to Emit (ton/yr)							Total HAPs
	PM	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Single HAP	
Total for Source Before Modification	7.1	11.6	3.2	79.0	< 250	66.40	15.67 - 2-(2-butoxyethoxy) ethanol	31.09
Total for Source After Modification	7.2	12.0	3.2	84.2	< 250	66.4	15.67 - 2-(2-butoxyethoxy) ethanol	31.19
Major Source Threshold	250	250	250	250	250	250	15.67	31.19

**AFFECTED UNITS**

Emission Unit Designation (after Modification)	Affect by Modification	Emission Unit Designation (before Modification)	Construction- Approved Year
PTR-1	NEW UNIT	na	2010
PTR-2	moved	PTR-1	1993
PTR-3	moved	PTR-2	1993
PTR-4-1	moved	PTR-3	1993
PTR-4-2	moved	PTR-4	2008
PTR-5	no change	PTR-5	2008
PO1	MODIFIED	PO-3	1993
PO2	moved	PO-1	1993
PO3	moved	PO-2	1993
PO4-1	NEW UNIT	na	2010
PO4-2	moved	PO-4	2008
PO5	no change	PO-5	2008
ISM-1	no change	ISM-1	1993
ISM-2	no change	ISM-2	1993
ISM-3	no change	ISM-3	1993
ISM-4	no change	ISM-4	2008
ISM-5	no change	ISM-5	2008
ISO-1	no change	ISO-1	1993
ISO-2	no change	ISO-2	1993
ISO-3	NEW UNIT	na	2010
ISO-4	no change	ISO-4	2008
ISO-5	no change	ISO-5	2008

**MODIFICATION**

Emission Unit Designation (after Modification)	Comment on Emission Unit	Reference
<b>New Units</b>		
PTR-1	none - cap. same as before	See PTR-1 in "VOC,Printers" for PTE (VOC) of modification.  See "N.G. Increase" for PTE of natural gas usage aspect of modification.
PO-4-1	BTU/hr; addition of 2.7	
ISO-3	BTU/hr; addition of 1.5	
<b>Modified Units</b>		
PO-1	BTU/hr; increased 2.0	

Notes

VOC input due to modification is unchanged, as capacity is unchanged. Modification yields flexibility at line 4.







Appendix A: Emissions Calculations  
 Ball Metal Beverage Container Corp. 501 N. 6th St. Monticello, IN 47960  
 Source Modification: 181-28689-00022  
 Permit Modification: 181-25015-00022  
 Reviewer: James Mackenzie  
 Date: 2-17-10

PTR-5 Line 5 Multi can sizes 16 and 24 oz Max speed for 6th can size is 720 cpm	Can Prod. CP/Hour	Dry Film Wt. Milligrams	80% capture and 90% destruction Solids Wt. Lbs. Solids/Can %	Coating Density	Lbs./Gal. Solids	Gals. Per Can.	Gals Per Hour	Lbs. VOC / Gal.	Un-Abated Emissions Lbs./Hour	Lbs VOC/Year	ton VOC/Year	After Abatement		
												Emissions Lbs./Year	lbs VOC/Year	
Overall Control	0.760													
Material														
INTERNAL COAT														
640CX2134* OF	43,200	330	20.70%	8.45	1.75	0.00042	17.97	1.124	20.19	176,896	86.4	42455	21	
xxxx	43,200	330	21.00%	8.4	1.76	0.00041	17.82	1.124	20.03	175,430	87.7			
OVERVARNISH														
646C250*	43,200	220	34.20%	8.78	3.00	0.00016	7.0	3.977	27.75	243,118	121.6	58348	29	
PPG3805801 OF	43,200	220	39.50%	8.9	3.52	0.00014	6.0	0.863	5.14	45,058	22.5			
Valspar 2228005 rebot	43,200	220	36.30%	8.67	3.15	0.00015	6.7	0.945	6.29	55,114	27.6			
UV														
WS 9805005*	43,200	7	97.50%	9.53	9.29	0.00000	0.1	0.238	0	0	0.0	0	0	
INK														
	43,200			1.0			Lbs/Day 9.53	Lbs VOC/Lb 0.16	1.53	13,363	6.7	3207	2	
Totals											217	52		

Cold Cleaner Parts Washer process

220 gallons per year  
 6.89 lb VOC per gallon  
 1,450 lb VOC per year  
 0.72 tons per year  
 0.0069 lb VOC per Hour

Solent Wipe Cleaning

275 gallons per month  
 6.586 lb VOC/gal  
 21,734 lbs VOC per year  
 10.87 tons per year  
 29.69 lbs VOC per Hour

Appendix A: Emissions Calculations  
 Ball Metal Beverage Container Corp. 501 N. 6th St. Merrillville, IN 47960  
 Source Modification: 181-28869-00022  
 Permit Modification: 181-29015-00022  
 Reviewer: James Mackenzie  
 Date: 2-17-10

**Worse Case Summary**

Line	IC	CV	Inks	OV/UV	Max. Abated	Cross Ck	75 % to start.	
							un-restricted	con-rolled
Line 1 12oz	IC	38.93	38.93	18.88	18.88	18.88	66.14	32.08
	CV/UV	23.66	23.66	1.72	1.72	1.72	66.14	32.08
	Inks	3.55	3.55	1.72	1.72	1.72	66.14	32.08
Line 2 12 oz	IC	38.93	38.93	18.88	18.88	18.88	66.14	32.08
	CV/UV	23.66	23.66	1.72	1.72	1.72	66.14	32.08
	Inks	3.55	3.55	1.72	1.72	1.72	66.14	32.08
Line 3 16 oz	IC	45.34	45.34	21.99	21.99	21.99	86.28	41.85
	CV/UV	24.94	24.94	7.76	7.76	7.76	86.28	41.85
	Inks	16.00	16.00	29.15	29.15	29.15	86.28	41.85
Line 4 24 oz	IC	60.12	60.12	29.15	29.15	29.15	81.16	39.36
	CV	19.22	19.22	0.88	0.88	0.88	81.16	39.36
	Inks	1.82	1.82	0.88	0.88	0.88	81.16	39.36
Line 5 (Both sizes)	IC	21	21	2	2	2	52.01	197.37
	CV	29	29	2	2	2	52.01	197.37
	Inks	2	2	2	2	2	52.01	197.37
Cold Cleaner/Parts Washer				0.72	320.95	0.72	351.73	197.37

Solvent wipe 10.87 10.87 solvents and parts washers 0.72

363.32 tpy 248.00 Total TPY

RTO Allocated downtime SSM 39.04 tons of VOC

Proposed coatings	Actual coatings
CV 193,034	300,000
INKS 377,587	375,000

10.87 10.87 RTO Downline 208.96

**Natural Gas Combustion Only**  
**MM BTU/HR <100**  
 (Total Modification)  
 Printer Ovens: PO-1,P04-1  
 Inside Bake Oven: ISO-3

Heat Input Capacity

MMBtu/hr
12.2

Potential Throughput

MMCF/yr
104.8

	Pollutant					
	PM*	PM10*	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.1	0.4	0.03	5.2	0.3	4.4

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

\*\*Emission Factors for NO<sub>x</sub>:

Uncontrolled = 100, Low NO<sub>x</sub> Burner = 50, Low NO<sub>x</sub> 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

Emission Factors: AP 42, 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

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu

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

**Notes**

Modified oven, PO-1, has a heat input increase of 2 MMBtu/hr. (Formerly "PO-3", @ 4 MMBtu/hr. Now 6MMBtu/hr)

New oven, PO-04-1, has a heat input of 2.7 MMBtu/hr.

New (replacement) oven, ISO-3, has a heat input of 7.5 MMBtu/hr.

See PTR-1 in "VOC, Printers" for VOC emission due to coating.

See next page for HAPs emissions calculations.

**Natural Gas Combustion Only**  
**MM BTU/HR <100**  
**HAPs Emissions**  
 (Total Modification)  
 Printer Ovens: PO-1,P04-1  
 Inside Bake Oven: ISO-3

HAPs - Organics						
Emission Factor in lb/MMcf	Benzene	Dichloro-benzene	Form-aldehyde	Hexane	Toluene	TOTAL ORGANICS
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	1.1E-04	6.3E-05	3.9E-03	9.4E-02	1.8E-04	9.9E-02

HAPs - Metals						
Emission Factor in lb/MMcf	Pb	Cd	Cr	Mn	Ni	TOTAL METALS
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	2.6E-05	5.8E-05	7.3E-05	2.0E-05	1.1E-04	2.9E-04

Methodology: same as previous page

TOTAL HAP's **9.9E-02**

The five highest organic and metal HAPs emission factors are provided above.  
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Natural Gas Combustion Only**  
**MM BTU/HR <100**  
 (New Units)  
 Printer Ovens: PTR-04-1  
 Inside Bake Oven: ISO-3

Heat Input Capacity

MMBtu/hr
10.2

Potential Throughput

MMCF/yr
87.6

	Pollutant					
	PM*	PM10*	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO
<u>Emission Factor in lb/MMCF</u>	1.9	7.6	0.6	100 **see below	5.5	84
<u>Potential Emission in tons/yr</u>	0.08	0.33	0.03	4.4	0.2	3.7

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

\*\*Emission Factors for NO<sub>x</sub>:

Uncontrolled = 100, Low NO<sub>x</sub> Burner = 50, Low NO<sub>x</sub> 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

Emission Factors: AP 42, 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

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu

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

**Notes**

New oven, PO-04-1, has a heat input of 2.7 MMBtu/hr.

New (replacement) oven, ISO-3, has a heat input of 7.5 MMBtu/hr.

See PTR-1 in "VOC, Printers" for VOC emission due to coating.

See next page for HAPs emissions calculations.

**Natural Gas Combustion Only**  
**MM BTU/HR <100**  
**HAPs Emissions**  
 (New Units)  
 Printer Ovens: PTR-04-1  
 Inside Bake Oven: ISO-3

HAPs - Organics						
	Benzene	Dichloro-benzene	Form-aldehyde	Hexane	Toluene	TOTAL ORGANICS
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	9.2E-05	5.3E-05	3.3E-03	7.9E-02	1.5E-04	<b>8.2E-02</b>

HAPs - Metals						
	Pb	Cd	Cr	Mn	Ni	TOTAL METALS
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	2.2E-05	4.8E-05	6.1E-05	1.7E-05	9.2E-05	<b>2.4E-04</b>

Methodology: same as previous page

TOTAL HAP's **8.3E-02**

The five highest organic and metal HAPs emission factors are provided above.  
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Natural Gas Combustion Only**  
**MM BTU/HR <100**  
 (Altered/Modified Units)  
 Printer Oven: PO-1

Heat Input Capacity  
 MMBtu/hr  
 2.0

Potential Throughput  
 MMCF/yr  
 17.2

	Pollutant					
	PM*	PM10*	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.02	0.07	0.01	0.9	0.05	0.7

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

\*\*Emission Factors for NO<sub>x</sub>:

Uncontrolled = 100, Low NO<sub>x</sub> Burner = 50, Low NO<sub>x</sub> 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

Emission Factors: AP 42, 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

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu

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

**Notes**

Upgrade, PO1, burners heat input increases to 6.0 MMBtu/hr (from 4.0 MMBtu/hr)

New oven, PO4-1, has a heat input of 2.7 MMBtu/hr.

New (replacement) oven, IS0-3, has a heat input of 7.5 MMBtu/hr. (replaces 6.0 MMBtu/hr)

See PTR-1 in "VOC, Printers" for VOC emission due to coating.

See next page for HAPs emissions calculations.

**Natural Gas Combustion Only**  
**MM BTU/HR <100**  
**HAPs Emissions**  
 (Altered/Modified Units)  
 Printer Oven: PO-1

HAPs - Organics						
Emission Factor in lb/MMcf	Benzene	Dichloro-benzene	Form-aldehyde	Hexane	Toluene	TOTAL ORGANICS
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	1.8E-05	1.0E-05	6.4E-04	1.5E-02	2.9E-05	1.6E-02

HAPs - Metals						
Emission Factor in lb/MMcf	Pb	Cd	Cr	Mn	Ni	TOTAL METALS
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	4.3E-06	9.4E-06	1.2E-05	3.3E-06	1.8E-05	4.7E-05

Methodology: same as previous page.

TOTAL HAP's **1.6E-02**

The five highest organic and metal HAPs emission factors are provided above.  
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Natural Gas Combustion Only**  
**MM BTU/HR <100**  
**Actual Change Due to Modification**  
 Altered/Modified Unit: Printer Oven: PO-1  
 New Units: Printer Oven PO-4-1 & Inside Bake Oven ISO-3

Heat Input Capacity

MMBtu/hr
6.2

Potential Throughput

MMCF/yr
53.2

	Pollutant					
	PM*	PM10*	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO
<u>Emission Factor in lb/MMCF</u>	1.9	7.6	0.6	100 **see below	5.5	84
<u>Potential Emission in tons/yr</u>	0.05	0.20	0.02	2.7	0.15	2.2

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

\*\*Emission Factors for NO<sub>x</sub>:

Uncontrolled = 100, Low NO<sub>x</sub> Burner = 50, Low NO<sub>x</sub> 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

Emission Factors: AP 42, 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

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu

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

**Notes**

Upgrade, PO1, burners heat input increases to 6.0 MMBtu/hr (from 4.0 MMBtu/hr)

New oven, PO4-1, has a heat input of 2.7 MMBtu/hr.

New (replacement) oven, ISO-3, has a heat input of 7.5 MMBtu/hr. (replaces 6.0 MMBtu/hr)

See PTR-1 in "VOC, Printers" for VOC emission due to coating.

See page next for HAPs emissions calculations.

**Natural Gas Combustion Only**  
**MM BTU/HR <100**  
**HAPs Emissions**  
 (Altered/Modified Units)  
 Printer Oven: PO-1

HAPs - Organics						
Emission Factor in lb/MMcf	Benzene	Dichloro-benzene	Form-aldehyde	Hexane	Toluene	TOTAL ORGANICS
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	5.6E-05	3.2E-05	2.0E-03	4.8E-02	9.1E-05	<b>5.0E-02</b>

HAPs - Metals						
Emission Factor in lb/MMcf	Pb	Cd	Cr	Mn	Ni	TOTAL METALS
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	1.3E-05	2.9E-05	3.7E-05	1.0E-05	5.6E-05	<b>1.5E-04</b>

Methodology: same as previous page

TOTAL HAP's **5.0E-02**

The five highest organic and metal HAPs emission factors are provided above.  
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
**Governor**

*Thomas W. Easterly*  
**Commissioner**

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

## **SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED**

**TO:** Virginia Peck  
Ball Metal Beverage Container  
501 N 6th St  
Monticello, IN 47960

**DATE:** June 9, 2010

**FROM:** Matt Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

**SUBJECT:** Final Decision  
Title V  
181-29015-00022

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:  
Ross Rittburg, Responsible Official  
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at [jbrush@idem.IN.gov](mailto:jbrush@idem.IN.gov).

Final Applicant Cover letter.dot 11/30/07



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
**Governor**

*Thomas W. Easterly*  
**Commissioner**

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

June 9, 2010

TO: Monticello Union Township Public Library

From: Matthew Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

Subject: **Important Information for Display Regarding a Final Determination**

**Applicant Name: Ball Metal Beverage Container Corp**  
**Permit Number: 181-29015-00022**

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures  
Final Library.dot 11/30/07

# Mail Code 61-53

IDEM Staff	DPABST 6/14/2010 Ball Metal Beverage Container Corp. 181-29015-00022 (final)			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee
											Remarks
1		Virginia Peck Ball Metal Beverage Container Corp. 501 N 6th St Monticello IN 47960 (Source CAATS) (CONFIRM DELIVERY)									
2		Ross Rittburg Plant Mgr Ball Metal Beverage Container Corp. 501 N 6th St Monticello IN 47960 (RO CAATS)									
3		Mr. Harry D. DuVall P.O. Box 147 Idaville IN 47950 (Affected Party)									
4		Monticello City Council and Mayors Office 227 N. Main Street Monticello IN 47960 (Local Official)									
5		White County Commissioners P.O. Box 260 Monticello IN 47960-0260 (Local Official)									
6		Monticello Union Township Public Library 321 Broadway St Monticello IN 47690 (Library)									
7		Ms. Magje Read P.O. Box 248 Battle Ground IN 47920 (Affected Party)									
8		Mr. Robert Kelley 2555 S 30th Street Lafayette IN 44909 (Affected Party)									
9		White County Health Department 315 N Illinois St Monticello IN 47960 (Health Department)									
10											
11											
12											
13											
14											
15											

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
---	--	--	--