



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

TO: Interested Parties / Applicant

DATE: October 31, 2012

RE: By-Pass Paint Shop, Inc. / 039-31917-00058

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 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-6-1(b) or IC 13-15-6-1(a) require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204.

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

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

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

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

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

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

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

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

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

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



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Part 70 Operating Permit Renewal OFFICE OF AIR QUALITY

**By-Pass Paint Shop, Inc.
1132 N. Nappanee St.
Elkhart, Indiana 46514**

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T039-31917-00058	
Issued by:  Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: October 31, 2012 Expiration Date: October 31, 2017

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SECTION A SOURCE SUMMARY

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

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary wood surface coating operation.

Source Address:	1132 N. Nappanee St., Elkhart, Indiana 46514
General Source Phone Number:	(574) 264-5334
SIC Code:	2499
County Location:	039
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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

- (a) Three (3) flow coaters, collectively identified as FC, all constructed in 1971, with a combined maximum capacity of 200 units per hour, and exhausting to Stack ID#1.
- (b) One (1) paint booth with HVLP spray application, identified as PB, constructed in 1971, with a maximum capacity of 33 units per hour, with particulate emissions controlled by dry filters, and exhausting to Stack ID#2.
- (c) Two (2) lithographic printers, collectively identified as INK, both constructed in 1971, with a combined maximum capacity of 202 units per hour, and exhausting to Stack ID#3.
- (d) One (1) UV Finishing system, identified as UV, constructed in 2004 with a maximum throughput rate of 99.0 wood units per hour.
- (e) One (1) vacuum coater used to apply water-borne coatings identified as VC, constructed in 2004 with a maximum throughput rate of 600 wood units per hour.

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

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

- (a) Natural gas-fired combustion sources with heat input less than ten million (10,000,000) British thermal units per hour [326 IAC 6-2-3]:
 - (1) One (1) natural gas-fired boiler, constructed in 1970, with a maximum capacity of 1.08 million British thermal units per hour, and exhausting to Stack ID#4; and
 - (2) One (1) natural gas-fired boiler, constructed in 1970, with a maximum capacity of 0.70 million British thermal units per hour, and exhausting to Stack ID#4; and

- (b) Paved and unpaved roads with public access [326 IAC 6-4].
- (c) Emission units with PM and PM₁₀ emissions less than five (5) tons per year, SO₂, NO_x, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year:
 - (1) One (1) profile paper wrapping line, using only non-volatile glue

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, T039-31917-00058, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

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

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

B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

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

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

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

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

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

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

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

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

- (a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:

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

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

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

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

and

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

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

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(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) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

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

The Permittee shall implement the PMPs.

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

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

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

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

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

The Permittee shall implement the PMPs.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

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

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

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, or Northern Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northern Regional Office phone: (574) 245-4870; fax: (574) 245-4877.

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

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

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

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

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

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(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 T039-31917-00058 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

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

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

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

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

meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

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

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

Request for renewal shall be submitted to:

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

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

deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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

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

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

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

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

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

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

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

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

Indiana Department of Environmental Management
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 emission trades that are subject to 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2). 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 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) **Emission Trades [326 IAC 2-7-20(c)]**
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) **Alternative Operating Scenarios [326 IAC 2-7-20(d)]**
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

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

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

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

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

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

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

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

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

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

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

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 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 that meets the requirements of 326 IAC 2-7-6(1) by a "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 Licensed Asbestos inspector is not federally enforceable.

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

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

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

Indiana Department of Environmental Management

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(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, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

Unless otherwise specified in this permit, 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 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.11 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.12 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

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

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system);
or
 - (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

C.13 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

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

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

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

C.14 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]

In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
- (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

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

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

C.15 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. Support information includes the following:
 - (AA) All calibration and maintenance records.
 - (BB) All original strip chart recordings for continuous monitoring instrumentation.
 - (CC) Copies of all reports required by the Part 70 Operating Permit.Records of required monitoring information include the following:
 - (AA) The date, place, as defined in this permit, and time of sampling or measurements.
 - (BB) The dates analyses were performed.
 - (CC) The company or entity that performed the analyses.

- (DD) The analytical techniques or methods used.
- (EE) The results of such analyses.
- (FF) The operating conditions as existing at the time of sampling or measurement.

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

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

C.16 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. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(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.
- (d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.17 Compliance with 40 CFR 82 and 326 IAC 22-1

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) Three (3) flow coaters, collectively identified as FC, all constructed in 1971, with a combined maximum capacity of 200 units per hour, and exhausting to Stack ID#1.
- (b) One (1) paint booth with HVLP spray application, identified as PB, constructed in 1971, with a maximum capacity of 33 units per hour, with particulate emissions controlled by dry filters, and exhausting to Stack ID#2.
- (c) Two (2) lithographic printers, collectively identified as INK, both constructed in 1971, with a combined maximum capacity of 202 units per hour, and exhausting to Stack ID#3.
- (d) One (1) UV Finishing system, identified as UV, constructed in 2004 with a maximum throughput rate of 99.0 wood units per hour.
- (e) One (1) vacuum coater used to apply water-borne coatings identified as VC, constructed in 2004 with a maximum throughput rate of 600 wood units per hour.

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

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

D.1.1 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from the paint booth (PB) shall be controlled by a dry filter and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.1.2 Surface Coating of Wood Building Products NESHAP, [40 CFR 63 Subpart QQQQ]

Pursuant to 40 CFR 63.4680 and in order to render the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Surface Coating of Wood Building Products, (40 CFR 63.4680, Subpart QQQQ) not applicable, the source shall limit source-wide single HAP emissions to less than ten (10) tons per year and source-wide combined HAP emissions to less than twenty-five (25) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

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

D.1.4 Monitoring

- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth Stack #2 while the booth is in operation. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this

condition. Failure to take response steps shall be considered a deviation from this permit.

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

D.1.5 Record Keeping Requirement

- (a) To document the compliance status with the Condition D.1.1, the Permittee shall maintain records in accordance with a log of weekly overspray observations and daily and monthly inspections.
- (b) To document the compliance with the Condition D.1.2, the Permittee shall maintain records in accordance with (1) through (5) below for flow coaters, Records maintained for (1) through (5) shall be taken as stated below and shall be complete and sufficient to establish compliance with the combination HAPs and single HAP limits established in Condition D.1.2 and for each compliance period.
 - (1) The amount and the total HAP and single HAP content of each material and solvent used. Records shall include purchase orders and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (2) The cleanup solvent usage for each month.
 - (3) The combination HAP and single HAP input for each month.
 - (4) The combination HAP and single HAP for each compliance period.
 - (5) A log of the dates of use.
- (c) Section C - General Record Keeping Requirements, contains the Permittee's obligations with regard to the records required by this condition.

D.1.6 Reporting Requirements

A quarterly summary of the information to document the compliance status with Conditions D.1.2 shall be submitted using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.2

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

- (a) Natural gas-fired combustion sources with heat input less than ten million (10,000,000) British thermal units per hour [326 IAC 6-2-3]:
- (1) One (1) natural gas-fired boiler, constructed in 1970, with a maximum capacity of 1.08 million British thermal units per hour, and exhausting to Stack ID#4; and
 - (2) One (1) natural gas-fired boiler, constructed in 1970, with a maximum capacity of 0.70 million British thermal units per hour, and exhausting to Stack ID#4;

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

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

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

Pursuant to 326 IAC 6-2-3 (Particulate Emission Notations for Sources of Indirect Heating), particulate emissions from the insignificant boilers shall be limited to 0.8 pounds per million British thermal units each.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: By-Pass Paint Shop, Inc.
Source Address: 1132 N. Nappanee St., Elkhart, Indiana 46514
Part 70 Permit No.: T039-31917-00058

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 AND ENFORCEMENT 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: By-Pass Paint Shop, Inc.
Source Address: 1132 N. Nappanee St., Elkhart, Indiana 46514
Part 70 Permit No.: T039-31917-00058

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), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
 - The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE AND ENFORCEMENT BRANCH**

Part 70 Quarterly Report

Source Name: By-Pass Paint Shop, Inc.
 Source Address: 1890 Riverfork Drive West, Huntington, Indiana 46750
 Part 70 Permit No.: T069-31240-00043
 Facility: Three (3) flow Coaters, identified as (FC), Vacuum Coater and UV Finishing System, One (1) Paint Booth, identified as PB, and cleaning operation.
 Parameter: Source Wide Combined HAP usage and Single HAP usage
 Limit: Shall be less than a total of 25 tons, and ten (10) tons per twelve (12) consecutive month period, respectively with compliance determined at the end of each month for 326 IAC 2-2.

QUARTER :

YEAR:

Month	Column 1		Column 2		Column 1 + Column 2	
	This Month		Previous 11 Months		12 Month Total	
	Single HAP	Combined HAPS	Single HAP	Combined HAPS	Single HAP	Combined HAPS
Month 1						
Month 2						
Month 3						

No deviation occurred in this quarter.

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

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

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE AND ENFORCEMENT BRANCH
 PART 70 OPERATING PERMIT
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: By-Pass Paint Shop, Inc.
 Source Address: 1132 N. Nappanee St., Elkhart, Indiana 46514
 Part 70 Permit No.: T039-31917-00058

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

<p>This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C- General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Indiana Department of Environmental Management
Office of Air Quality

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

Source Background and Description

Source Name:	By-Pass Paint Shop, Inc.
Source Location:	1132 North Nappanee Street, Elkhart, Indiana 46514
County:	Elkhart
SIC Code:	2499
Permit Renewal No.:	T039-31917-00058
Permit Reviewer:	Swarna Prabha

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from By-Pass Paint Shop, Inc. relating to the operation of a stationary wood molding surface coating operation. On May 21, 2012, By-Pass Paint Shop, Inc. submitted an application to the OAQ requesting to renew its operating permit. By-Pass Paint Shop, Inc. was issued its second Part 70 Operating Renewal (039-25624-00058) on July 29, 2008.

Permitted Emission Units and Pollution Control Equipment

Permitted Emission Units and Pollution Control Equipment

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

- (a) Three (3) flow coaters, collectively identified as FC, all constructed in 1971, with a combined maximum capacity of 200 units per hour, and exhausting to Stack ID#1.
- (b) One (1) paint booth with HVLP spray application, identified as PB, constructed in 1971, with a maximum capacity of 33 units per hour, with particulate emissions controlled by dry filters, and exhausting to Stack ID#2.
- (c) Two (2) lithographic printers, collectively identified as INK, both constructed in 1971, with a combined maximum capacity of 202 units per hour, and exhausting to Stack ID#3.
- (d) One (1) UV Finishing system, identified as UV, constructed in 2004 with a maximum throughput rate of 99.0 wood units per hour.
- (e) One (1) vacuum coater used to apply water-borne coatings, identified as VC, constructed in 2004 with a maximum throughput rate of 600 wood units per hour.

Insignificant Activities

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

- (a) Natural gas-fired combustion sources with heat input less than ten million (10,000,000) British thermal units per hour [326 IAC 6-2-3]:
 - (1) One (1) natural gas-fired boiler, constructed in 1970, with a maximum capacity of 1.08 million British thermal units per hour, and exhausting to Stack ID#4; and
 - (2) One (1) natural gas-fired boiler, constructed in 1970, with a maximum capacity of 0.70 million British thermal units per hour, and exhausting to Stack ID#4; and

- (b) Paved and unpaved roads with public access [326 IAC 6-4].
- (c) Emission units with PM and PM₁₀ emissions less than five (5) tons per year, SO₂, NO_x, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year:
 - (1) One (1) profile paper wrapping line, using only non-volatile glue

Existing Approvals

Since the issuance of the Part 70 Operating Permit Renewal No.: T039-25624-00058 on July 29, 2008, the source has not received any additional approvals.

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

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

County Attainment Status

The source is located in Elkhart County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective July 19, 2007, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.
¹ Attainment effective October 18, 2000, for the 1-hour ozone standard for the South Bend-Elkhart area, including Elkhart County, and is a maintenance area for the 1-hour National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X*. The 1-hour standard was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM _{2.5} .	

- (a) Ozone Standards
 Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Elkhart County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) PM_{2.5}
 Elkhart County has been classified as attainment for PM_{2.5}. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5}

emissions. These rules became effective on July 15, 2008. On May 4, 2011, the air pollution control board issued an emergency rule establishing the direct PM_{2.5} significant level at ten (10) tons per year. This rule became effective June 28, 2011. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability - Entire Source section.

- (c) Other Criteria Pollutants
 Elkhart County has been classified as attainment or unclassifiable in Indiana for SO₂, VOC, CO, PM₁₀, PM_{2.5}, and NO₂. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

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

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source. .

Pollutant	tons/year
PM	<100
PM ₁₀	<100
PM _{2.5}	< 100
SO ₂	<100
VOC	<100
CO	<100
NO _x	<100
GHG as CO ₂ e	< 100,000

HAPs	tons/year
Toluene	>10
Methanol	<10
M. Isobutyl Ketone	<10
Glycol	<10
Xylene	<10
DEHP	<10
Total	>25

Appendix A of this TSD reflects the unrestricted potential emissions of this source.

- (a) The potential to emit of each criteria pollutant is <100 tons per year. The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is equal to or greater than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of GHG is less than one hundred thousand (100,000) tons of CO₂ equivalent (CO₂e) emissions per year.

Actual Emissions

The following table shows the actual emissions as reported by the source. This information reflects the 2009 emission data.

Pollutant	Actual Emissions (tons/year)
PM	-
PM ₁₀	-
SO ₂	-
VOC	5.0
CO	-
NO _x	-
HAP	not reported

Part 70 Permit Conditions

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

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

Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any new control equipment is considered federally enforceable only after issuance of this Part 70 permit renewal, 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 of the Entire Source After Issuance of Renewal (tons/year)									
	PM	PM ₁₀ *	PM _{2.5} **	SO ₂	NO _x	VOC	CO	GHG***	Total HAPs	Worst Single HAP
Three (3) Flow Coaters	0	0	0	-	-	31.7	-	-	< 24.9	< 9.9
One (1) Paint Booth (PB)	0.49	0.49	0.49	-	-	10.8	-	-		
Cleaning (Unspecified)	0	0	0	-	-	21.3	-	-		
Vacuum Coater and UV Finishing	0.74	0.74	0.74	-	-	26.0	-	-		
Printing (INK)	-	-	-	-	-	8.94	-	-		
Two Boilers	0.02	0.06	0.06	0.0	0.79	0.04	0.66	951.84		
Total PTE of Entire Source	1.25	1.29	1.29	0	0.79	98.68	0.66	951.84	< 25	< 10
Title V Major Source Thresholds	NA	100	100	100	100	100	100	100,000 CO ₂ e	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	100,000 CO ₂ e	NA	NA

negl. = negligible
 *Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".
 **PM_{2.5} listed is direct PM_{2.5}.
 *** Pursuant to 326 IAC 2-7-1(39), starting July 1, 2011, greenhouse gas (GHG) emissions are subject to regulation at a source with a potential to emit 100,000 tons per year or more of CO₂ equivalent (CO₂e) emissions. Therefore, CO₂e emissions have been calculated for this source. Based on the calculations the unlimited potential to emit greenhouse gases from the entire source is less than 100,000 tons of CO₂e per year.

NOTE: The source shall limit source-wide single HAP emissions to less than ten (10) tons per year and source-wide combined HAP emissions to less than twenty-five (25) tons per year by limiting its VOC coating usage.

This existing stationary source is not major for PSD because the emissions of each regulated pollutant, excluding GHG, are less than two hundred fifty (<250) tons per year, emissions of GHG are less than one hundred thousand (<100,000) tons of CO₂ equivalent (CO₂e) emissions per year, and it is not one of the twenty-eight (28) listed source categories.

Federal Rule Applicability Determination

Compliance Assurance Monitoring (CAM)

- (a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each pollutant-specific emission unit that meets the following criteria:
- (1) has a potential to emit before controls equal to or greater than the 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 only controlled unit is the paint booth, which utilizes dry filters for particulate control. However, the uncontrolled PTE of PM/PM₁₀ is <100 tpy.

Based on this evaluation, the requirements of 40 CFR Part 64, CAM, are not applicable to any of the existing units as part of this Part 70 permit renewal.

NSPS

- (a) The requirements of the New Source Performance Standard for Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction Is Commenced After August 17, 1971, 40 CFR 60.40 Subpart D, are not included in the permit for the natural gas-fired boilers. Construction of these units commenced prior to August 17, 1971.
- (b) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit for this source.

NESHAP

- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources), 40 CFR 63.11169 Subpart HHHHHH are not included in the permit for the coating units. This source is not involved in the use of chemical strippers that contain methyl chloride (MeCl), Chemical Abstract Service number 75092, in paint removal processes. Also, this source is not involved in spray application of coatings containing compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd), collectively referred to as the target HAP to any part or product made of metal or plastic, or combinations of metal and plastic that are not motor vehicles or mobile equipment.
- (b) This source is not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAPs), Surface Coating of Wood Building Products, (40 CFR 63.4680, Subpart QQQQ), incorporated by reference as 326 IAC 20-79-1. The provisions of this Subpart apply to each new and existing facility that is a major source of HAP, as defined in 40 CFR 63.2, Subpart A, at which surface coating of wood building products occur. The source has agreed to limit source-wide single HAP emissions to less than ten (10) tons per year and source-wide combined HAP emissions to less than twenty-five (25) tons per year. Therefore, this source is not a major source of HAPs as defined in 40 CFR 63.2, and it is not subject to the requirements of this NESHAP. Therefore, the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) Surface Coating of Wood Building Products, (40 CFR 63.4680, Subpart QQQQ) are not included in the permit for the coating units.
- (c) This source is not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 63, Subpart JJ, which is incorporated by reference as 326 IAC 20-14. Although the source is engaged, either in part or in whole, in the manufacture of wood furniture or wood furniture components, the source has limited source-wide single HAP emissions to less than ten (10) tons per year and source-wide combined HAP to less than twenty-five (25) tons per

year in order to avoid becoming a major source of HAPs as defined in 40 CFR 63.2. Therefore, the requirements of the National Emission Standards for Wood Furniture Manufacturing Operations (40 CFR 63, Subpart JJ; 326 IAC 20-14) are not included in the permit for the surface coating operations at this source.

- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Plywood and Composite Wood Products, 40 CFR 63.2230 Subpart DDDD, are not included in the permit, since the woodworking process is not a plywood and composite wood products (PCWP) manufacturing facility.
- (e) The requirements of National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Industrial, Commercial, and Institutional Boilers Area Sources 40 CFR 63.11193, Subpart JJJJJ, are not included in this permit because the two (2) natural gas-fired boilers are gas-fired boilers do not use coal, Biomass or oil.
- (f) The requirements of National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Industrial, Commercial, and Institutional Boilers and Process Heaters (40 CFR 63.7485, Subpart DDDDD), are not included in this permit because the two (2) natural gas-fired boilers are not part of a major source of HAP.
- (g) The requirements of National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 63, Subpart T (Halogenated Solvent Cleaning), are not included in this permit since it has neither vapor nor cold cleaning machines (of either batch or in-line design) according to the definitions pursuant to 40 CFR 63.461. This source does not heat any solvent (which would meet the definition of "cold" cleaning), nor does it boil any solvent (which would meet the definition of "vapor" cleaning). Moreover, the source uses none of the solvents listed at 40 CFR 63.460(a), nor any combination of these in a total concentration greater than five (5) percent by weight, as a cleaning agent.
- (h) There are no other National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20, and 40 CFR Parts 61/63) included in this permit renewal.

State Rule Applicability - Entire Source

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

This source has the potential to emit greater than twenty-five (25) tons per year for a combination of HAPs; however, the flow coaters, lithographic printers, and the paint booth were constructed prior to July 27, 1997, the applicability date of this rule. Pursuant to Minor Permit Modification No. 039-18967-00058, issued on September 22, 2004, the source added one (1) vacuum coater and one (1) UV finishing system. These units have a combined potential to emit of less than ten (10) tpy of a single HAP and less than twenty five (25) tpy of a combination of HAPs. Furthermore, the source has limited source-wide single HAP emissions to less than ten (10) tons per year and source-wide combined HAP emissions to less than twenty-five (25) tons per year. Therefore, this source is not a major source of HAPs and is not subject to the requirements of 326 IAC 2-4.1.

326 IAC 2-6 (Emission Reporting)

This source, not located in Lake, Porter, or LaPorte County, is subject to 326 IAC 2-6 (Emission Reporting) because it is required to have an operating permit pursuant to 326 IAC 2-7 (Part 70). The potential to emit of VOC or PM₁₀ is less than 250 tons per year, and the potential to emit of CO, NO_x, and SO₂ is less than 2,500 tons per year. Therefore, pursuant to 326 IAC 2-6-3(b)(1), an emission statement shall be submitted by July 1, 2013 and every three (3) year thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 5-1 (Opacity Limitations)

This source is subject to the opacity limitations specified in 326 IAC 5-1-2(1).

326 IAC 6-4 (Fugitive Dust Emissions)

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 6-5 (Fugitive Particulate Matter Emission Limitations)

The source-wide fugitive particulate emissions are less than 25 tons per year; therefore, this rule does not apply to this source.

326 IAC 6.5 (PM Limitations Except Lake County)

This source is not subject to 326 IAC 6.5 because it is not located in one of the following counties: Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo or Wayne.

326 IAC 6.8 PM Limitations for Lake County

This source is not subject to 326 IAC 6.8 because it is not located in Lake County.

326 IAC 8-11 (Wood Furniture Coating)

This source is not subject to the requirements of 326 IAC 8-11 (Wood Furniture Coating) because this source does not have a SIC code that is listed in 326 IAC 8-11-1(2), the applicability section of the rule.

326 IAC 8-2-10 (Flat Wood Panels; Manufacturing Operations)

This source is not subject to the requirements of 326 IAC 8-2-10 because the molding which is coated at the source does not meet the definition of flat wood panels.

326 IAC 8-2-12 (Wood Furniture and Cabinet Coating)

This source is not subject to the requirements of 326 IAC 8-2-12 because the molding which is coated at the source does not meet the definition of wood furnishings which include cabinets.

State Rule Applicability – Individual Facilities

Flow Coaters

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

The Flow Coaters (FC) are not subject to the requirements of 326 IAC 6-3-1(b)(7) (Particulate Emission Limitations for Manufacturing Processes) because they do not have the potential to emit particulate. They are exempt pursuant to 326 IAC 6-3-1(b)(7).

326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

The flow coaters (FC) are not subject to the requirements of 326 IAC 8-1-6 (New Facilities; General Reduction Requirements) because they were constructed prior to January 1, 1980, the applicability date of this rule.

State Rule Applicability - Paint Booth (PB)

326 IAC 6-3-2 (Particulate emission limitations for Manufacturing Processes)

Particulate from the paint booth (PB) shall be controlled by dry filters and shall be in operation at all times the paint booth (PB) is in operation; the Permittee shall operate the control device in accordance with manufacturer's specifications in order to comply with this limit.

326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

The paint booth (PB) is not subject to the requirements of 326 IAC 8-1-6 (New Facilities; General Reduction Requirements) because it was constructed prior to January 1, 1980, the applicability date of this rule.

State Rule Applicability - Vacuum Coater (VC)

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

The Vacuum Coater (VC) is not subject to the requirements of 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) because it does not have the potential to emit particulate. It is exempt pursuant to 326 IAC 6-3-1(b)(7).

326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

The Vacuum Coater (VC) is not subject to the requirements of 326 IAC 8-1-6 (New Facilities; General Reduction Requirements) because it does not have the potential to emit greater than twenty-five (25) tons per year of VOC.

State Rule Applicability - UV Finishing System (UV)

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

The UV Finishing System (UV) is not subject to the requirements of 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) because it does not have the potential to emit particulate. It is exempt pursuant to 326 IAC 6-3-1(b)(7).

326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

The UV Finishing System (UV) is not subject to the requirements of 326 IAC 8-1-6 (New Facilities; General Reduction Requirements) because it does not have the potential to emit greater than twenty-five (25) tons per year of VOC.

State Rule Applicability - Lithographic Printers (INK)

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

The lithographic printers (INK) are not subject to the requirements of 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) because they do not have the potential to emit particulate.

326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

The lithographic printers (INK) are not subject to the requirements of 326 IAC 8-1-6 (New Facilities; General Reduction Requirements) because they were constructed prior to January 1, 1980, the applicability date of this rule, and they do not have the potential to emit greater than twenty-five (25) tons per year of VOC.

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

326 IAC 8-5-5 (Graphic Arts Operations) does not apply to this source because the rule pertains to rotogravure and flexographic printing presses while the presses at the source are lithographic presses.

State Rule Applicability - Boilers 1.08 MMBtu/hr and 0.70 MMBtu/hr

326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating)

The insignificant boilers are subject to the requirements of 326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating) because they were constructed prior to September 21, 1983. Pursuant to 326 IAC 6-2-3, particulate emissions from the insignificant boilers shall be limited as follows:

Unit	Date of Construction	Q (MMBtu/hr)	Number of Stacks	Stack Height (ft)	Pt (lb/MMBtu)	Particulate Emission Limitation (lb/MMBtu)
1.08 MMBtu/hr Boiler	1971	$1.08 + 0.7 = 1.78$	2	50	11.9	0.8
0.70 MMBtu/hr Boiler	1971	$1.08 + 0.7 = 1.78$	2	50	11.9	0.8

Particulate emissions are limited to less than 0.8 pounds per million British thermal units. The units were constructed prior to June 8, 1972 and 0.8 pounds per million British thermal units is more stringent than the limitation calculated using the following equation:

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}$$

Where C = 50 u/m³

Pt = pounds of particulate matter emitted per million Btu heat input (lb/MMBtu)

Q = total source maximum operating capacity rating (MMBtu/hr)

N = number of stacks

a = plume rise factor (0.67)

h = stack height (ft)

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The insignificant natural gas-fired boilers are not subject to the requirements of 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations) because they each have the potential to emit less than twenty-five (25) tons per year of SO₂.

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.

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

The paint booth (PB) has applicable compliance monitoring conditions as specified below:

- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth Stack #2 while the booth is in operation. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

These monitoring conditions are necessary because the dry filters for the paint booth (PB) must operate properly to ensure compliance with 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes) and 326 IAC 2-7 (Part 70).

Recommendation

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

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

An application for the purposes of this review was received on May 22, 2012.

Conclusion

The operation of this stationary wood surface coating operation shall be subject to the conditions of the attached Part 70 Operating Permit Renewal No: T039-31917-00058.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Swarna Prabha at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5376 or toll free at 1-800-451-6027, extension 4-5376.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

**Appendix A: Emission Calculations
Summary of Emissions**

Company Name: By-Pass Paint Shop, Incorporated
Address: 1132 North Nappanee Street, Elkhart, Indiana 46514
Permit Renewal Number: T039-31917-00058
Reviewer: Swarna Prabha
Date: 6/8/2012

POTENTIAL TO EMIT IN TONS PER YEAR

Emission Unit	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHG	Single HAP	Total HAPs
Three (3) Flow Coaters (FC)	0.00	0.00	0.00	-	-	21.1	-	-	9.80	15.68
Vacuum Coater and UV Finishing System	0.74	0.74	0.74	-	-	17.3	-	-	6.65	7.76
One (1) Paint Booth (PB)	0.49	0.49	0.49	-	-	7.2	-	-	3.08	4.84
Unspecified (Cleaning)	0.00	0.00	0.00	-	-	14.2	-	-	8.50	11.33
Printing INK	-	-	-	-	-	5.96	-	-	1.42	2.56
Two (2) Boilers	0.02	0.06	0.06	0.00	0.79	0.04	0.66	951.84	negl.	negl.
Total From Entire Source	1.25	1.29	1.29	0.00	0.79	65.85	0.66	951.84	29.45	42.17

Emissions are based on 8760 hrs/yr

LIMITED EMISSIONS IN TONS PER YEAR

Emission Unit	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHG	Single HAP	Total HAPs
Three (3) Flow Coaters (FC)	0.00	0.00	0.00	-	-	21.1	-	-	<9.9	<24.99
Vacuum Coater and UV Finishing System	0.74	0.74	0.74	-	-	17.3	-	-		
One (1) Paint Booth (PB)	0.49	0.49	0.49	-	-	7.2	-	-		
Unspecified (Cleaning)	0.00	0.00	0.00	-	-	14.2	-	-		
Printing INK	-	-	-	-	-	5.96	-	-		
Two (2) Boilers	0.02	0.06	0.06	0.00	0.79	0.04	0.66	951.84	negl.	negl.
Total From Entire Source	1.25	1.29	1.29	0.00	0.79	65.85	0.66	951.84	<10.0	<25.0

**Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations (FC, PB)**

**Company Name: By-Pass Paint Shop, Incorporated
Address City IN Zip: 1132 North Nappanee Street, Elkhart, IN 46514
Permit Renewal Number: T039-31917-00058
Reviewer: Swarna Prabha
Date: 6/8/2012**

Surface Coating Operation	Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	Lb VOC/gal solids	Transfer Efficiency
Three (3) Flow Coaters (FC)																	
	Chesnut	9.44	51.17%	0.00%	51.17%	0.00%	30.81%	0.00482	22.320	4.83	4.83	0.52	12.47	2.28	0.00	15.68	100%
	Crawford Oak	9.49	51.74%	0.00%	51.74%	0.00%	29.54%	0.00482	99.120	4.91	4.91	2.35	56.30	10.27	0.00	16.62	100%
	Polar White	8.98	57.35%	0.00%	57.35%	0.00%	26.13%	0.00482	78.560	5.15	5.15	1.95	46.80	8.54	0.00	19.71	100%
Total flow coaters														21.09	0.00		
One (1) Paint Booth (PB)																	
	Lacqyer Sealer	7.50	81.60%	0.00%	81.60%	0.00%	13.00%	0.00818	33.000	6.12	6.12	1.65	39.65	7.24	0.49	47.08	70%
Unspecified																	
	Thinner (cleaning)	7.00	100.00%	0.00%	100.00%	0.00%	0.00%	0.00231	200.000	7.00	7.00	3.23	77.62	14.16	0.00	NA	100%
Total Potential Emissions														63.59	0.49		

METHODOLOGY

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) * Weight % Organics) / (1-Volume % water)
Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)
Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr)
Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)
Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hr/yr) * (1 ton/2000 lbs)
Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer efficiency) *(8760 hrs/yr) *(1 ton/2000 lbs)
Pounds VOC per Gallon of Solids = (Density (lbs/gal) * Weight % organics) / (Volume % solids)
Total = Worst Coating + Sum of all solvents used

Appendix A: Emission Calculations
Surface Coating HAP Emission Calculations

Company Name: By-Pass Paint Shop, Incorporated
Address City IN Zip: 1132 North Nappanee Street, Elkhart, IN 46514
Permit Renewal Number: T039-31917-00058
Reviewer: Swarna Prabha
Date: 6/8/2012

Surface Coating Operation	Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Toluene	Weight % Methanol	Weight % M. Isobutyl Ketone	Weight % *Glycol Ethers	Weight % Xylene	Weight % Bis(2-ethylhexyl) phthalate	Toluene Emissions (ton/yr)	Methanol Emissions (ton/yr)	M. Isobutyl Ketone Emissions (ton/yr)	Glycol Ethers Emissions (ton/yr)	Xylene Emissions (ton/yr)	Bis (2- ethylhexyl) phthalate Emissions (ton/yr)	Total Emissions (ton/yr)
Three (3) Flow Coaters (FC)																	
	Chestnut	9.44	0.00482	22.320	25.00%	5.00%	0.00%	5.00%	0.00%	5.00%	1.11	0.22	0.00	0.22	0.00	0.22	1.78
	Crawford Oak	9.49	0.00482	99.120	25.00%	5.00%	0.00%	5.00%	0.00%	5.00%	4.96	0.99	0.00	0.99	0.00	0.99	7.94
	Polar White	8.98	0.00482	78.560	25.00%	5.00%	0.00%	5.00%	0.00%	5.00%	3.72	0.74	0.00	0.74	0.00	0.74	5.96
Total Flow Coaters											9.80	1.96	0.00	1.96	0.00	1.96	15.68
One (1) Paint Booth (PB)																	
	Lacqyer Sealer	7.44	0.00818	33.000	35.00%	5.00%	5.00%	0.00%	5.00%	5.00%	3.08	0.44	0.44	0.00	0.44	0.44	4.84
	Unspecified																
	Thinner (cleaning)	7.00	0.00231	200.000	60.00%	10.00%	10.00%	0.00%	0.00%	0.00%	8.50	1.42	1.42	0.00	0.00	0.00	11.33
	Printing (INK)																
	h88 tys ink	8.06	3.20119	0.252	5.00%	0.00%	0.00%	0.00%	4.00%	0.00%	1.42	0.00	0.00	0.00	1.14	0.00	2.56
Total											22.80	3.82	1.86	1.96	1.58	2.40	34.41

* Certain Glycol Ethers have been delisted; in order to stay conservative they have been left as is.

METHODOLOGY

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

**Appendix A: Emissions Calculations
VOC and PM/PM10
From Vacuum Coater (VC) and UV Finishing (UV) Facilities**

**Company Name: By-Pass Paint Shop, Incorporated
Address: 1132 North Nappanee Street, Elkhart, Indiana 46514
Permit Renewal Number: T039-31917-00058
Reviewer: Swarna Prabha
Date: 6/8/2012**

Units	* Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Max. Usage Rate (gal/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	PTE VOC (lb/hour)	PTE VOC (lb/day)	PTE VOC (tons/year)	PTE PM/PM10 (ton/year)	* Transfer Efficiency	
Vacuum Coater	Marakesh (1)	8.78	86.6%	81.0%	5.6%	0.0%	8.90%	2.88	0.49	0.49	1.42	34	6.20	0.74	95%	
UV Finishing	Aqualight Clear (2)	8.91	60.1%	0.0%	60.1%	0.0%	35.9%	0.48	5.35	5.35	2.54	61	11.1	0.00	100%	
TOTAL											3.96	17.3	0.74			

**Actual VOC Emissions (lbs/day) = 4.25 From Vacuum Coater
Actual VOC Emissions (lbs/day) = 7.63 From UV Finishing System**

* Material 1 is applied on wood with a vacuum coater which is enclosed and has a transfer efficiency of 95 %.
* Material 2 is printed on wood and has a transfer efficiency of 100%.

METHODOLOGY

Pounds of VOC per gallon coating less water = Density (lb/gal) * Weight % Organics * 1/ (1-Volume % Water)
Pounds of VOC per gallon coating = Density (lb/gal) * Weight % Organics
PTE VOC (lb/hour) = Pounds of VOC per Gallon coating (lb/gal) * Max. Throughput (gal/hour)
PTE VOC (lb/day) = Pounds of VOC per Gallon coating (lb/gal) * Max.Throughput (gal/hour) * 24 hour/day
PTE VOC (tons/year) = Pounds of VOC per Gallon coating (lb/gal) * Max. Throughput (gal/hour) * 8760 hours/year * 1 ton/2000 lbs
PTE PM/PM10 (tons/year) = Max. Throughput (gal/hour) * Density (lb/gal) * (1- Weight % Volatile) * (1-Transfer Efficiency) * 8760 hours/year * 1ton/2000 lbs
Actual VOC Emissions (lbs/day) = PTE (lbs/hour) * 750 hours/year * 1 year/250 days of operation

**Appendix A: Emissions Calculations
HAP Emissions
From Vacuum Coater (VC) and UV Finishing (UV) Facilities**

Company Name: By-Pass Paint Shop, Incorporated
Address: 1132 North Nappanee Street, Elkhart, Indiana 46514
Permit Renewal Number: T039-31917-00058
Reviewer: Swarna Prabha
Date: 6/8/2012

POTENTIAL TO EMIT OF HAPS

Material	Density (lb/gal)	Max. Usage Rate (gal/hour)	Weight % Glycol Ether	PTE of Glycol Ether (ton/year)
Marakesh (1)	8.78	2.88	6%	6.65
Aqualight Clear (2)	8.91	0.48	6%	1.11
TOTAL =				7.76

HIGHEST SINGLE HAP (Glycol Ether) = 7.76 tons/year

METHODOLOGY

Potential To Emit HAPs (tons/year) = Density (lb/gal) * Max. Usage Rate (gal/hour) * Weight % HAP * 8760 hours/year * 1 ton/2000 lbs

**Appendix A: Emission Calculations
Printing Press - INK VOC Emissions**

**Company Name: By-Pass Paint Shop, Incorporated
Address City IN Zip: 1132 North Nappanee Street, Elkhart, IN 46514
Permit Renewal Number: T039-31917-00058
Reviewer: Swarna Prabha
Date: 6/8/2012**

Throughput

Press ID	Maximum Line Speed (ft/min)	Convert Feet to Inches	Maximum Print Width (in)	Convert Min to Hour	Convert Hour to Year	Convert to MMin ²	MMin ² /year
Printing INK	50	12	7	60	8760	1000000	2207.52

Ink VOCs

Ink Name Press ID	Maximum Coverage (lb/MMin ²)	Weight % Volatiles	Flash Off %	Throughput (MMin ² /year)	Convert Pounds to Tons	VOC Emissions (ton/yr)
h88 t ys Sher-wood	6.502	83.1%	100.0%	2207.52	2000	5.96

Methodology

Throughput (MMin²/yr) = Maximum Line Speed * Convert Feet to Inches * Maximum Print Width * Convert Min to Hour * Convert Hour to Year / 1000000

VOC Emissions (ton/yr) = Maximum Coverage * Weight % Volatiles * Flash Off % * Throughput / 2000

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

Address City IN Zip: 1132 North Nappanee Street, Elkhart, IN 46514

Permit Renewal Number: T039-31917-00058

Reviewer: Swarna Prabha

Date: 6/8/2012

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

1.8

15.8

Pollutant

	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.02	0.06	0.00	0.79	0.04	0.66

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

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

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

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

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03

(SUPPLEMENT D 3/98)

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

HAP calculations on the following page.

Appendix A: Emissions Calculations
Natural Gas Combustion Only - HAPs
MM BTU/HR <100

Company Name: By-Pass Paint Shop, Incorporated
Address City IN Zip: 1132 North Nappanee Street, Elkhart, IN 46514
Permit Renewal Number: T039-31917-00058
Reviewer: Swarna Prabha
Date: 6/8/2012

Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	1.659E-05	9.480E-06	5.925E-04	1.422E-02	2.686E-05

HAPs - Metals

Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	3.950E-06	8.690E-06	1.106E-05	3.002E-06	1.659E-05

Methodology is the same as previous page.

Total HAPs 1.491E-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.

Company Name: By-Pass Paint Shop, Incorporated
 Address City IN Zip: 1132 North Nappanee Street, Elkhart, IN 46514
 Permit Renewal Number: T039-31917-00058
 Reviewer: Swarna Prabha
 Date: 6/8/2012

	MMBtu/hr	MMCF/yr
Combined Maximum Capacity	1.8	15.77

Greenhouse Gas Emissions

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120,000.00	2.3	2.2
Existing furnaces and boilers -PTE in ton	946.08	0.02	0.02

Summed Existing Furnaces and boilers Potential Emissions in tons/yr	946.12
Existing Furnaces and boilers -CO2e in tons/yr	951.84

Methodology

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
Emission

Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

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

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).



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

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

TO: Danny Delprete
By-Pass Paint Shop, Inc.
1132 N Nappanee
Elkhart, IN 46514

DATE: October 31, 2012

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

SUBJECT: Final Decision
Part 70 Operating Permit Renewal
039-31917-00058

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:
Lucio Delprete – Responsible Officer
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.

Final Applicant Cover letter.dot 11/30/07



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October 31, 2012

TO: Elkhart Public Library

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

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

Applicant Name: By-Pass Paint Shop, Inc.
Permit Number: 039-31917-00058

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	GHOTOPP 10/31/2012 By-Pass Paint Shop, Inc 039-31917-00058 final		Type of Mail: CERTIFICATE OF MAILING ONLY	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		

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		Danny Delprete By-Pass Paint Shop, Inc 1132 N Nappanee Elkhart IN 46514 (Source CAATS) via confirmed delivery										
2		Lucio Delprete Responsible Officer By-Pass Paint Shop, Inc 1132 N Nappanee Elkhart IN 46514 (RO CAATS)										
3		Elkhart City Council and Mayors Office 229 South Second Street Elkhart IN 46516 (Local Official)										
4		Elkhart Public Library 300 S 2nd St Elkhart IN 46516-3184 (Library)										
5		Elkhart County Health Department 608 Oakland Avenue Elkhart IN 46516 (Health Department)										
6		Mr. John C. Wallace John C. Wallace, Inc. 1001 S 30th Street South Bend IN 46615 (Affected Party)										
7		Elkhart County Board of Commissioners 117 North Second St. Goshen IN 46526 (Local Official)										
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