



Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

September 10, 2004

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

TO: Interested Parties / Applicant

RE: Polar King International, Inc. / T003-17734-00232

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

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

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

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

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

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

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

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

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and

- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

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

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

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

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



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PART 70 OPERATING PERMIT RENEWAL OFFICE OF AIR QUALITY

**Polar King International, Inc.
4424 New Haven Avenue
Fort Wayne, Indiana 46803**

(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.: T003-17734-00232	
Issued by: Original signed by Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: September 10, 2004 Expiration Date: September 10, 2009

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates stationary Hand/Spray Layup reinforced plastics and composites processing plant that produces Walk-In Coolers and Freezers.

Responsible Official:	President
Source Address:	4424 New Haven Avenue, Fort Wayne, Indiana 46803
Mailing Address:	4424 New Haven Avenue, Fort Wayne, Indiana 46803
General Source Phone Number:	(260) 428-2533
SIC Code:	3585
County Location:	Allen
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD Rules; and Nonattainment NSR. Major Source, Section 112 of the Clean Air Act

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

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

- (a) One (1) fiberglass fabrication shop for the production of walk-in freezer doors, constructed in 1993, identified as FB-1, with a maximum capacity of producing 0.21 door units per hour; utilizing hand layup resin coat application and fluid impingement technology (FIT) system and controlled techniques for spray gelcoat application with methods, and exhausting inside the plant;
- (b) One (1) fiberglass fabrication shop for the production of walk-in freezer frames, constructed in 1993, identified as FB-2, with a maximum capacity of producing 0.11 walk-in refrigeration units per hour, utilizing chop guns equipped with Fluid Impingement Technology (FIT) for resin and gelcoat application, and exhausting inside the plant;
- (c) One (1) fiberglass fabrication shop for the production of walk-in freezer floor panels, constructed in 1993, identified as FB-3, with a maximum capacity of producing 0.5 panels per hour, utilizing hand layup gelcoat application, and exhausting inside the plant; and
- (d) One (1) surface coating operation, constructed in 1993, identified as SC-1, with a maximum capacity of coating 0.67 finished walk-in fiberglass freezer units per hour, utilizing hand-roll application, and exhausting inside the plant.

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

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

- (a) Welding operations with PM-10 emission less than five (5) pounds per hour or twenty-five (25) pounds per day. (One (1) metal inert gas (MIG) welder) [326 IAC 6-3-2(e)(2)].

- (b) Woodworking operations with PM-10 emissions less than five pounds per hour or twenty-five (25) pounds per day:

One (1) woodworking shop with an annual throughput of 38.7 tons of wood per year [326 IAC 6-3-2(e)(2)].

- (c) Hand-held trimming and grinding operations with PM-10 emissions less than five pounds per hour or twenty-five (25) pounds per day [326 IAC 6-3-2(e)(2)]

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

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

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

SECTION B GENERAL CONDITIONS

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

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

B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5]

This permit 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.

B.3 Enforceability [326 IAC 2-7-7]

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

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

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

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

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

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

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

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

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.

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

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

and

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

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

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

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) The Permittee shall implement the PMPs, including any required record keeping as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "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, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,
Compliance Section), or
Telephone Number: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967

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

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

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

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

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

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

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]

- (a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deletedby this permit.
- (b) All previous registrations and permits are superseded by this permit.

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

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

A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

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

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

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

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

B.16 Permit Renewal [326 IAC 2-7-4]

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

Request for renewal shall be submitted to:

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

- (b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]
- (1) A timely renewal application is one that is:
- (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
- (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-7-3]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.
- (d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]
If IDEM, OAQ, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

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

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

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

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

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

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

- (d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

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

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

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

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

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:
 - (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
 - (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
 - (4) The Permittee notifies the:

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

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 which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

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

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

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

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

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

permit;

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

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

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

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

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

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

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

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

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

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 [40 CFR 52 Subpart P][326 IAC 6-3-2]

- (a) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.
- (b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. This condition is not federally enforceable.

C.2 Opacity [326 IAC 5-1]

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

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

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

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

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

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

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

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

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

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

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

C.8 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 starting date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

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

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

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

C.9 Performance Testing [326 IAC 3-6]

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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

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

Compliance Requirements [326 IAC 2-1.1-11]

C.10 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.11 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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

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

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

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

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

C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

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

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

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

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

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:

- (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.
- (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.

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

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

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

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

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

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

- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2007 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

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

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

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

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) Reporting periods are based on calendar years.

Stratospheric Ozone Protection

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

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

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

SECTION D.1 FACILITY OPERATION CONDITIONS

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

- (a) One (1) fiberglass fabrication shop for the production of walk-in freezer doors, identified as FB-1, constructed in 1993, with a maximum capacity of producing 0.21 door units per hour; utilizing hand layup resin coat application and fluid impingement technology (FIT) system and controlled techniques for spray gelcoat application with methods, and exhausted inside the plant;
- (b) One (1) fiberglass fabrication shop for the production of walk-in freezer frames, constructed in 1993, identified as FB-2, with a maximum capacity of producing 0.11 walk-in refrigeration units per hour, utilizing chop guns equipped with Fluid Impingement Technology (FIT) for resin and gelcoat application, and exhausted inside the plant;
- (c) One (1) fiberglass fabrication shop for the production of walk-in freezer floor panels, constructed in 1993, identified as FB-3, with a maximum capacity of producing 0.5 panels per hour, utilizing hand layup gelcoat application, and exhausted inside the plant; and
- (d) One (1) surface coating operation, constructed in 1993, identified as SC-1, with a maximum capacity of coating 0.67 finished walk-in fiberglass freezer units per hour, utilizing hand-roll application, and exhausted inside the plant.

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

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

D.1.1 General Provisions Relating to NESHAP [326 IAC 20-1][40 CFR Part 63, Subpart A]

- (a) The provisions of 40 CFR 63 Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the reinforced plastic composites production affected source described in 40 CFR 63.5790(b), except when otherwise specified in 40 CFR 63 Subpart WWWW.
- (b) Since the applicable requirements associated with the compliance options are not included and specifically identified in this permit, the permit shield authorized by the B section of this permit in the condition titled Permit Shield, and set out in 326 IAC 2-7-15 does not apply to paragraph (a) of this condition.

D.1.2 National Emissions Standards for Hazardous Air Pollutants for Reinforced Plastic Composites Production [40 CFR Part 63.5805, Subpart WWWW]

- (a) The reinforced plastic composites production affected source is subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Reinforced Plastic Composites Production, (40 CFR 63, Subpart WWWW), effective April 21, 2003. Pursuant to this rule, the Permittee must comply with Subpart WWWW by April 21, 2006, or accept and meet an enforceable HAP emissions limit below the major source threshold prior to April 21, 2006. Since the applicable requirements associated with the compliance options are not included and specifically identified in this permit, the permit shield authorized by the B section of this permit in the condition titled Permit Shield, and set out in 326 IAC 2-7-15 does not apply to paragraph (a) of this condition.

- (b) The following emissions units comprise the affected source that is subject to 40 CFR 63, Subpart WWWW:
 - (1) One (1) fiberglass fabrication shop for the production of walk-in freezer doors, identified as FB-1, with a maximum capacity of producing 0.21 door units per hour; utilizing hand layup resin coat application and spray gelcoat application methods, and exhausted inside the plant;
 - (2) One (1) fiberglass fabrication shop for the production of walk-in freezer frames, identified as FB-2, with a maximum capacity of producing 0.11 walk-in refrigeration units per hour, utilizing chop guns for resin and gelcoat application, and exhausted inside the plant;
 - (3) One (1) fiberglass fabrication shop for the production of walk-in freezer floor panels, identified as FB-3, with a maximum capacity of producing 0.5 panels per hour, utilizing hand layup gelcoat application, and exhausted inside the plant; and
- (c) The definitions of 40 CFR 63, Subpart WWWW at 40 CFR 63.5935 are applicable to the affected source.

D.1.3 National Emissions Standards for Hazardous Air Pollutants for Reinforced Plastic Composites Production - Notification Requirements [40 CFR 63, Subpart WWWW]

- (a) Pursuant to 40 CFR 63.5905, the Permittee shall submit all of the notifications in Table 13 of 40 CFR 63, Subpart WWWW that apply to the affected source and chosen compliance method by the dates specified. These notifications include, but are not limited to, the following:
 - (1) An Initial Notification containing the information specified in 40 CFR 63.9(b)(2) no later than August 19, 2003.
 - (2) If complying with organic HAP emissions limit averaging provisions, the Permittee shall submit a Notification of Compliance Status, containing the information specified in 40 CFR 63.9(h), no later than May 21, 2007.
 - (3) If complying with organic HAP content limits, application equipment requirements, or organic HAP emissions limit other than organic HAP emissions limit averaging, the Permittee shall submit a Notification of Compliance Status, containing the information specified in 40 CFR 63.9(h), no later than May 21, 2006.
 - (4) If complying by using an add-on control device, the Permittee shall submit:
 - (A) A notification of intent to conduct a performance test as specified in 40 CFR 63.9(e), at least 60 calendar days before the performance test is scheduled to begin.
 - (B) A notification of the date for the CMS performance evaluation, if required, as specified in 40 CFR 63.9(g), by the date of submission of the notification of intent to conduct a performance test.
 - (C) A Notification of Compliance Status as specified in 40 CFR 63.9(h), no later than 60 calendar days after the completion of the add-on control device performance test and CMS performance evaluation.

- (b) The notifications required by paragraph (a) shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Director, Air and Radiation Division
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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

D.1.4 Volatile Organic Compounds (VOCs) [326 IAC 8-1-6]

- (a) The total VOC usage at the fiberglass fabrication operation, identified as FB-2, shall be limited to less than 25.0 tons VOC per twelve (12) consecutive month period including coatings, dilution solvents and cleaning solvents with compliance determined at the end of each month. This usage limit is required to limit potential VOC emissions to less than 25.0 tons per year to render the requirements of 326 IAC 8-1-6 (General Reduction Requirements) not applicable.
- (b) The two fiberglass operations, identified as FB-1 and FB-3, are not subject to the requirements of 326 IAC 8-1-6 (General Reduction Requirements) because they have potential to emit VOC less than 25 tons per year each although they were constructed in 1993, after the January 1, 1980 rule applicability date.
- (c) The total VOC usage at the surface coating operation identified as SC-1 shall be limited to less than 25.0 tons VOC per twelve (12) consecutive month period including coatings, dilution solvents, and cleaning solvents with compliance determined at the end of each month. This usage limit is required to limit potential VOC emissions to less than 25.0 tons per year to render the requirements of 326 IAC 8-1-6 (General Reduction Requirements) not applicable.

D.1.5 Emissions Standards for Reinforced Plastics Composites Fabricating [326 IAC 20-25-3]

Pursuant to 326 IAC 20-25-3, the owners or operators of the fiberglass fabrication shall comply with the provisions of the rule on or after January 1, 2002, including:

- (a) The total HAP monomer content of the following materials shall be limited based on the application method used and the products produced as specified in the following table:

Fiber Reinforced Plastics Composites Products Except Watercraft	HAP Monomer Content, Weight Percent
Resin, Manual or Mechanical Application	
Production-Specialty Products	48*
Production-Noncorrosion Resistant Unfilled	35*
Production-Noncorrosion Resistant Filled (\$35% by weight)	38
Production, Noncorrosion Resistant, Applied to Thermoformed Thermoplastic Sheet	42
Production, Class I, Flame and Smoke Shrinkage Controlled	60*
Tooling	52
Gel Coat Application	
Production-Pigmented	43
Clear Production	37
Tooling	44
Production-Pigmented, subject to ANSI ^a standards	45
Production-Clear, subject to ANSI ^a standards	50

^a American National Standards Institute.

* Categories that must use mechanical nonatomized application technology or manual application as stated in subsection (c).

Compliance with these HAP monomer content limits shall be demonstrated on a monthly basis. If all of the resins and gel coats used during a month meet the specified HAP monomer content limits, then maintaining records of content and usage as specified under Condition D.1.14 is sufficient for demonstrating compliance with the HAP monomer content limits.

Compliance with the limitations contained in this condition may be demonstrated using monthly emission averaging within each resin or gel coat application category listed in subsection(b) by the use of resins or gel coats with HAP monomer contents lower than the limits specified, and/or additional emission reduction techniques approved by IDEM, OAQ.

Examples of emission reduction techniques include, but are not limited to, using nonatomized application to apply resins or gelcoats within a category that does not require nonatomized application, lower monomer content resins and gel coats, vapor suppression, vacuum bagging, controlled spraying (if approved by IDEM), or installing a control device. This is allowed to meet the HAP monomer content limits for resins and gel coats within each category, and shall be calculated on an equivalent emissions mass basis monthly to demonstrate compliance as shown below:

For Averaging within a category:

$$\sum Em_A \leq \sum (M_R * E_a)$$

Where:

M_R = Total monthly mass of material within each category

E_a = Emission factor for each material based on allowable monomer content and allowable application method for each category.

Em_A = Actual monthly emissions from all materials used within a category based on material specific emission factors, emission reduction techniques and emission controls

Units: mass = tons

emission factor = lbs of monomer per ton of resin or gel coat

emissions = lbs of monomer

Note: Fillers may not be included when averaging.

(b) The following categories of materials in subsection (a) shall be applied using mechanical nonatomized application technology or manual application:

- (1) Production noncorrosion resistant, unfilled resins from all sources.
- (2) Production, specialty product resins from all sources.
- (3) Tooling resins used in the manufacture of watercraft.
- (4) Production resin used for Class I flame and smoke products.

Nonatomized application equipment means the devices where resin or gel coat material does any of the following:

- (1) Flows from the applicator, in a steady state in a observable coherent flow, without droplets, for a minimum distance of three (3) inches from the applicator orifices such as flow coaters, flow choppers, and fluid impingement equipment.
- (2) Is mechanically dispensed within or on to a paint roller applicator such as pressure fed rollers.
- (3) Is deposited on fiber reinforcement moving through a resin or gel coat bath such as resin impregnators.

Nonatomized spray application technology includes flow coaters, flow choppers, pressure-fed rollers, fluid impingement, or other non-spray applications of a design and specifications approved by IDEM, OAQ.

Filled resins are resins containing greater than or equal to thirty-five percent (35%) by weight inert filler material, such as silica micro-spheres or micro-balloons, added to alter the density or other physical properties of the resin. The term "inert filler" does not include pigments.

(c) Unless specified in subsection (b), gel coat application and mechanical application of resins shall be by any of the following spray technologies:

- (1) Nonatomized application technology.
- (2) Air-assisted airless.
- (3) Airless.
- (4) High volume, low pressure (HVLP).
- (5) Equivalent emission reduction technologies to subdivisions (2) through (4).

(d) The following cleaning operation standards for resin and gel coat application equipment shall apply:

- (1) For routine flushing of resin and gel coat application equipment such as spray guns, flow coaters, brushes, rollers, and squeegees, a cleaning solvent shall contain no HAPs. This emission standard does not apply to solvents used for removing cured resin or gel coat from application equipment.
- (2) A source must store HAP containing solvents used for removing cured resin or gel coat in containers with covers. The covers must have no visible gaps and must be in place at all times, except when equipment is placed in or removed from the container.

- (3) Recycled cleaning solvents that contain less than or equal to five percent (5%) HAP by weight are considered to contain no HAP for the purposes of this subsection.

D.1.6 Work Practice Standards for Reinforced Plastic Composites Fabrication [326 IAC 20-25-4]

Pursuant to 326 IAC 20-25-4, the following work practice standards shall be implemented:

- (a) Non-atomizing spray equipment shall not be operated at pressures that atomize the material during the application process.
- (b) Except for mixing containers as described in item (g), HAP containing materials shall be kept in a closed container when not in use.
- (c) Solvents sprayed during cleanup and resin changes shall be directed into solvent collection containers.
- (d) Solvent collection containers shall be kept closed when not in use.
- (e) Clean-up rags with solvent shall be stored in closed containers.
- (f) Closed containers shall be used for the storage of the following:
 - (1) All production and tooling resins that contain HAPs.
 - (2) All production and tooling gel coats that contain HAPs.
 - (3) Waste resins and gel coats that contain HAPs.
 - (4) Cleaning materials, including waste cleaning materials.
 - (5) Other materials that contain HAPs.
- (g) All resin and gel coat mixing containers with a capacity equal to or greater than fifty-five (55) gallons must have a cover with no visible gaps in place at all times except when material is being added to or removed from a container, or when mixing or pumping equipment is being placed in or removed from a container.

D.1.7 Operator Training for Reinforced Plastic Composites Fabrication [326 IAC 20-25-8]

Pursuant to 326 IAC 20-25-8, all new and existing personnel, including contract personnel, who are involved in resin and gel coat spraying and spray-like applications (for example, those applications that could result in excess emissions if performed improperly) shall be trained according to the following schedule:

- (a) All personnel hired after March 7, 2001 shall be trained within fifteen (15) days of hiring.
- (b) All personnel hired before March 7, 2001 shall be trained or evaluated by a supervisor within thirty (30) days of the start of operation.
- (c) To ensure training goals listed in subsection (b) are maintained, all personnel shall be given refresher training annually.
- (d) Personnel who have been trained by another owner or operator subject to 326 IAC 20-25 are exempt from subdivision (a) if written documentation that the employee's training is current is provided to the new employer.
- (e) If the result of an evaluation shows that training is needed, such training shall occur within fifteen (15) days of the evaluation.

- (f) The lesson plans shall cover, for the initial and refresher training, at a minimum, all of the following topics:
 - (1) Appropriate application techniques.
 - (2) Appropriate equipment cleaning procedures.
 - (3) Appropriate equipment setup and adjustment to minimize material usage and overspray.
- (g) The owner or operator shall maintain the following training records on site and available for inspection and review:
 - (1) A copy of the current training program.
 - (2) A list of all current personnel, by name, that are required to be trained and the dates they were trained and the date of the most recent refresher training. Records of prior training programs and former personnel are not required to be maintained.

D.1.8 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for units FB-1, FB-2, FB-3 and SC-1.

Compliance Determination Requirements

D.1.9 Volatile Organic Compounds (VOC)

Compliance with the VOC content and usage limitations contained in Condition D.1.5 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.1.10 VOC Emissions

Compliance with Condition D.1.5 shall be demonstrated at the end of each month based on the total volatile organic compound usage for the most recent twelve (12) consecutive month period.

D.1.11 Hazardous Air Pollutants (HAP) and Volatile Organic Compounds (VOC)

Compliance with the HAP monomer content limitations in condition D.1.5 shall be determined by one of the following:

- (a) The manufacturer's certified product data sheet.
- (b) The manufacturer's material safety data sheet.
- (c) Sampling and analysis, using any of the following test methods, as applicable:
 - (1) 40 CFR 60, Method 24, Appendix A (July 1, 1998), shall be used to measure the total volatile HAP and volatile organic compound (VOC) content of resins and gel coats. Method 24 may be modified for measuring the volatile HAP content of resins or gel coats to require that the procedure be performed on uncatalyzed resin or gel coat samples.
 - (2) 40 CFR 63, Method 311, Appendix A (July 1, 1998), shall be used to measure HAP content in resins and gel coats by direct injection into a gas chromatograph.
- (d) An alternate method approved by IDEM, OAQ.

Record Keeping and Reporting Requirements

D.1. 12 Record Keeping Requirements

- (a) To document compliance with Condition D.1.5, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Condition D.1.5. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
- (1) The VOC content of each coating material and solvent used.
 - (2) The amount of coating material and solvent less water used on monthly basis.
 - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.
 - (3) The cleanup solvent usage for each month;
 - (4) The total VOC usage for each month; and
 - (5) The weight of VOCs emitted for each compliance period.
- (b) To document compliance with Condition D.1.5, the Permittee shall maintain records that are complete and sufficient to establish compliance with the HAP monomer content limits. Records maintained shall be taken monthly. Examples of such records include but are not limited to:
- (1) The usage by weight and monomer content of each resin and gel coat used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS), manufacturer's certified product data sheets, and calculations necessary to verify the type, amount used, and HAP content of each resin or gel coat;
 - (2) A log of the dates of use;
 - (3) Method of application and other emission reduction techniques for each resin and gel coat used;
 - (4) Monthly calculations demonstrating compliance on an equivalent emissions mass basis if non-compliant resins or gel coats are used during that month.
- (c) To document compliance with Condition D.1.7 the Permittee shall maintain the following training records:
- (1) A copy of the current training program.
 - (2) A list of all current personnel, by name, that are required to be trained and the dates they were trained and the date of the most recent refresher training. Records of prior training programs and former personnel are not required to be maintained.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.13 Reporting Requirements

- (a) On or after January 1, 2002, sources using monthly emissions averaging pursuant to 326 IAC 20-25-3(h)(2) and Condition D.1.6 shall submit a quarterly summary report and supporting calculations pursuant to 326 IAC 20-25-7(c). The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) A quarterly summary of the information to document compliance with Condition D.1.5(a) shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

D.1.14 Requirement to Submit a Significant Permit Modification Application [326 IAC 2-7-12] [326 IAC 2-7-5]

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

- (a) The significant permit modification shall be consistent with 326 IAC 2-7-12, including information sufficient for IDEM, OAQ to incorporate into the Title V permit the applicable requirements of 40 CFR 63, Subpart WWWW, a description of the affected source and activities subject to the standard, and a description of how the Permittee will meet the applicable requirements of the standard.
- (b) The significant permit modification application shall be submitted no later than nine months before April 21, 2006.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Polar King International, Inc.
Source Address: 4424 New Haven Avenue, Fort Wayne, Indiana 46803
Mailing Address: 4424 New Haven Avenue, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-17734-00232

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify)
- Report (specify)
- Notification (specify)
- Affidavit (specify)
- Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

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

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Polar King International, Inc.
Source Address: 4424 New Haven Avenue, Fort Wayne, Indiana 46803
Mailing Address: 4424 New Haven Avenue, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-17734-00232

This form consists of 2 pages

Page 1 of 2

<input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none">C The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); andC The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16.
--

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

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

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

Page 2 of 2

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

Form Completed by:

Title / Position:

Date:

Phone:

A certification is not required for this report.

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

Part 70 Quarterly Report

Source Name: Polar King International, Inc.
Source Address: 4424 New Haven Avenue, Fort Wayne, Indiana 46803
Mailing Address: 4424 New Haven Avenue, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-17734-00232
Facility: Surface Coating Operation (SC-1)
Parameter: VOC Usage
Limit: Less than 25.0 tons per twelve (12) consecutive month period

YEAR:

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

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

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

Attach a signed certification to complete this report.

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

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

Source Name: Polar King International, Inc.
Source Address: 4424 New Haven Avenue, Fort Wayne, Indiana 46803
Mailing Address: 4424 New Haven Avenue, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-17734-00232

Months: _____ to _____ Year: _____

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

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

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

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

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

Source Background and Description

Source Name:	Polar King International, Inc.
Source Location:	4424 New Haven Avenue, Fort Wayne, Indiana 46803
County:	Allen
SIC Code:	3585
Operation Permit No.:	003-8007-00232
Operation Permit Issuance Date:	April 15, 1999
Permit Renewal No.:	003-17734-00232
Permit Reviewer:	Femi Ogunsola/EVP

The Office of Air Quality (OAQ) has reviewed a Part 70 Operating Permit Renewal application from Polar King International, Inc. relating to the operation of hand/spray layup reinforced plastics and composites processes for manufacturing walk-in coolers and freezers.

Permitted Emission Units and Pollution Control Equipment

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

- (a) One (1) fiberglass fabrication shop for the production of walk-in freezer doors, constructed in 1993, identified as FB-1, with a maximum capacity of producing 0.21 door units per hour; utilizing hand layup resin coat application and fluid impingement technology (FIT) system as controlled techniques for spray gelcoat application with methods, and exhausting inside the plant;
- (b) One (1) fiberglass fabrication shop for the production of walk-in freezer frames, constructed in 1993, identified as FB-2, with a maximum capacity of producing 0.11 walk-in refrigeration units per hour, utilizing chop guns equipped with Fluid Impingement Technology (FIT) for resin and gelcoat application, and exhausting inside the plant;
- (c) One (1) fiberglass fabrication shop for the production of walk-in freezer floor panels, constructed in 1993, identified as FB-3, with a maximum capacity of producing 0.5 panels per hour, utilizing hand layup gelcoat application, and exhausting inside the plant; and
- (d) One (1) surface coating operation, constructed in 1993, identified as SC-1, with a maximum capacity of coating 0.67 finished walk-in fiberglass freezer units per hour, utilizing hand-roll application, and exhausting inside the plant.

Unpermitted Emission Units and Pollution Control Equipment

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

New Emission Units and Pollution Control Equipment Receiving Advanced Source Modification Approval

There are no new emission units requiring prior approval.

Insignificant Activities

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

- (a) One (1) natural gas-fired radiant heater rated at 100,000 Btu per hour;
- (b) Other categories with emissions below insignificant thresholds:
 - (1) Welding operations with PM-10 emission less than five (5) pounds per hour or twenty-five (25) pounds per day. (One (1) metal inert gas (MIG) welder)
 - (2) One (1) woodworking shop with an annual throughput of 38.7 tons of wood per year and unrestricted potential emissions of PM/PM 10 less than 1 pound per hour or less than 1 ton per year.
 - (3) Hand-held trimming and grinding operations with PM-10 emissions less than five (5) pounds per hour or twenty-five (25) pounds per day.

Existing Approvals

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

- (a) T003-8007-00232, issued on April 15, 1999;
- (b) First Administrative Amendment No.:003-12452-00232, issued on August 3, 2000; and
- (c) First Reopening No.: R003-13142-00232, issued on October 5, 2001.

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.

Recommendation

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

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

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

Emission Calculations

See Appendix A of this document for detailed emission calculations (pages 1 through 4 of Appendix A).

Potential to Emit of the Source

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

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

Process/emission unit	Potential to Emit (tons/year)							
	PM	PM ₁₀	SO ₂	VOC	CO	NO _x	HAPs	
							Single Worst Case	Combined Total
One (1) Surface Coating Operation (SC-1)	0.00	0.00	0.00	24.00	0.00	0.00		2.55
Three (3) Fiberglass Fabrication Shops (FB-1, FB-2 and FB-3)	76.89	76.89	0.00	43.20	0.00	0.00	35.01 (Styrene)	39.16
Insignificant Activities including Woodworking	8.76	8.76	0.00	0.00	0.00	0.00	0.00	0.00
Total PTE	85.65	85.65	0.00	67.20	0.00	0.00	35.01 (Styrene)	41.71

• VOC and HAP emissions from FB-1, 2, and 3 include both Styrene emissions and VOC/HAP emissions from the catalyst used.

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of VOC, PM₁₀, SO₂, CO and NO_x are less than 100 tons per year. However, 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) Fugitive Emissions
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects 2001 VOC actual emission submitted to IDEM while other were actual emissions listed in the TSD of the permit that was approved in April, 1999 (submitted by the Permittee as part of Part 70 Operating permit application).

Pollutant	Actual Emissions (tons/year)
PM	49.36
PM ₁₀	49.36
SO ₂	0.0
VOC	11.00
CO	0.0
NO _x	0.0
HAP (specify)	16.08

County Attainment Status

The source is located in Allen County.

Pollutant	Status
PM ₁₀	Attainment
SO ₂	Attainment
NO ₂	Attainment
1-hr Ozone	Attainment
8-hr Ozone	Basic non-attainment*
CO	Attainment
Lead	Attainment

*Reflects attainment status revision effective on June 15, 2004.

- (a) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Allen County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for nonattainment new source review, 326 IAC 2-1.1-5.
- (b) Allen County has been classified as attainment or unclassifiable in Indiana for PM₁₀, SO₂, NO_x, CO and Lead . Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.

Part 70 Permit Conditions

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

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

Federal Rule Applicability

- (a) This Part 70 permit renewal application does not involve a pollutant-specific emissions unit as defined in 40 CFR 64.1 for all criteria pollutants
 - (1) with the potential to emit before controls equal to or greater than the major source threshold for all criteria pollutants
 - (2) that is subject to an emission limitation or standard for all criteria pollutants and
 - (3) uses a control device as defined in 40 CFR 64.1 to comply with that emission limitation or standard.

Each of the three fiberglass fabrication shops (FB-1, FB-2 and FB-3) and the surface coating booth (SC-1) has uncontrolled potential to emit for all criteria pollutants less than one hundred (100) tons per year. However, each has no control device for controlling VOC and PM therefore each of the three fiberglass fabrication shops (FB-1, FB-2 and FB-3) and the surface coating booth (SC-1) at this source is not subject to the requirements of 40 CFR Part 64, Compliance Assurance Monitoring.

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

The fiberglass walk-in freezer and cooler surface coating operation (SC-1) are not subject to the New Source Performance Standard, 326 IAC 12, 40 CFR Part 60, Subpart SS (Industrial Surface Coating, Large Appliances), because 40 CFR 60, Subpart SS only applies to the surface coating of metal appliances. Under 40 CFR 60, Subpart SS, a large appliance is defined as:

“Large appliance product means any organic surface-coated metal range, oven, microwave oven, refrigerator, freezer ... manufactured for household, commercial or recreational use”

The surface coating operation (SC-1) is performed on fiberglass appliances and not metal appliances. Therefore, the NSPS 40 CFR Part 60, Subpart SS, does not apply.

- (d) This source is subject to the National Emission Standards for Hazardous Air Pollutants, 326 IAC 20 (40 CFR Part 63.5800 through 63.5935 Subpart WWWW) because the source operates fiberglass parts manufacturing plants that use resin and gel coats that contain styrene to produce plastic composites and has potential to emit single HAP (Styrene) and total HAPs of greater than ten (10) and twenty five (25) tons per year respectively.

The provisions of 40 CFR 63 Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR 63 Subpart WWWW .

The gel coat and resin spraying booths operations are subject to the National Emission Standards for Hazardous Air Pollutants (NESHAPs), 326 IAC 20, (40 CFR Part 63.5800 through 63.5935, Subpart WWWW), and 326 IAC 20-25-3 because the styrene-containing resin and gel coats spraying booths operations emit styrene. A copy of the MACT is currently available on the U.S. EPA website, <http://www.epa.gov/ttn/atw/rpc/rpcpg.html> Pursuant to 40 CFR 63, Subpart WWWW, and 326 IAC 20-25-3, the gel and resin coats spraying operations are subject to the following conditions:

The provisions of 40 CFR 63 Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the affected source described in this section except when otherwise specified in 40 CFR 63 Subpart WWWW.

This rule has a future compliance date; therefore, the specific details of the rule and how the Permittee will demonstrate compliance are not provided in the permit. The Permittee shall submit an application for a significant permit modification nine months prior to the compliance date for the MACT, April 21, 2006, that will specify the option or options for the emission limitations and standards and methods for determining compliance chosen by the Permittee. At that time, IDEM, OAQ will include the specific details of the rule and how the Permittee will demonstrate compliance. In addition, pursuant to 40 CFR 63, Subpart WWWW, the Permittee shall submit:

- (1) An Initial Notification containing the information specified in 40 CFR 63.9(b)(2) no later than August 19, 2003.
- (2) If complying with organic HAP emissions limit averaging provisions, the Permittee shall submit a Notification of Compliance Status, containing the information specified in 40 CFR 63.9(h), no later than May 21, 2007.
- (3) If complying with organic HAP content limits, application equipment requirements, or organic HAP emissions limit other than organic HAP emissions limit averaging, the Permittee shall submit a Notification of Compliance Status, containing the information specified in 40 CFR 63.9(h), no later than May 21, 2006.
- (4) If complying by using an add-on control device, the Permittee shall submit:
 - (A) A notification of intent to conduct a performance test as specified in 40 CFR 63.9(e), at least 60 calendar days before the performance test is scheduled to begin.
 - (B) A notification of the date for the CMS performance evaluation, if required, as specified in 40 CFR 63.9(g), by the date of submission of the notification of intent to conduct a performance test.
 - (C) A Notification of Compliance Status as specified in 40 CFR 63.9(h), no later than 60 calendar days after the completion of the add-on control device performance test and CMS performance evaluation.

State Rule Applicability – Entire Source

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

The source was constructed in 1993 (after the August, 1977 PSD applicability date). It is not one of the 28 listed sources. This source is a minor PSD source because the potential to emit before controls for all criteria pollutants is less than 250 tons per year since the source commenced operation. There have not been any modifications to the source. Therefore, the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) do not apply

Nonattainment NSR [326 IAC 2-1.1-5]

This source was constructed in 1993 and located in Allen County. Effective June 15, 2004, Allen County will become basic non-attainment area for Ozone. Volatile organic compounds (VOC) and nitrogen oxides (NO_x) are precursors for the formation of ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. The source has no NO_x emissions and the potential to emit VOC is less than 100 tons per year. Therefore, the source is minor for ozone non-attainment.

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

The source has submitted a Preventive Maintenance Plan (PMP) on July 15, 1999. This PMP has been verified to fulfill the requirements of 326 IAC 1-6-3 (Preventive Maintenance Plan).

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

There is no pollutant at the source with potential to emit greater than one hundred (100) tons per year, therefore the requirement to submit an Emergency Reduction Plan (ERP) does not apply to this source.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting) because the source is required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program . This statement must be received in accordance with the compliance schedule specified in 326 IAC 2-6-3 and must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal should cover the period identified in 326 IAC 2-6.

326 IAC 5-1 (Opacity Limitations)

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

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

326 IAC 20-25-3 (HAP Emission Standards)

Pursuant to 326 IAC 20-25-3, the owners or operators of the fiberglass shall comply with the provisions of the rule on or after January 1, 2002, including:

- (a) The total HAP monomer content of the following materials shall be limited based on the application method used and the products produced as specified in the following table:

Fiber Reinforced Plastics Composites Products Except Watercraft	HAP Monomer Content, Weight Percent
Resin, Manual or Mechanical Application	
Production-Specialty Products	48*
Production-Noncorrosion Resistant Unfilled	35*
Production-Noncorrosion Resistant Filled (\$35% by weight)	38
Production, Noncorrosion Resistant, Applied to Thermoformed Thermoplastic Sheet	42
Gel Coat Application	
Production-Pigmented	37
Clear Production	44
Tooling	45
Production-Pigmented, subject to ANSI ^a standards	45
Production-Clear, subject to ANSI ^a standards	50

^a American National Standards Institute.

* Categories that must use mechanical nonatomized application technology or manual application as stated in subsection (c).

Compliance with these HAP monomer content limits shall be demonstrated on a monthly basis. If all of the resins and gel coats used during a month meet the specified HAP monomer content limits, then maintaining records of content and usage is sufficient for demonstrating compliance with the HAP monomer content limits.

Compliance with the limitations contained in this condition may be demonstrated using monthly emission averaging within each resin or gel coat application category listed in subsection(b) by the use of resins or gel coats with HAP monomer contents lower than the limits specified, and/or additional emission reduction techniques approved by IDEM, OAQ.

Examples of emission reduction techniques include, but are not limited to, using nonatomized application to apply resins or gelcoats within a category that does not require nonatomized application, lower monomer content resins and gel coats, vapor suppression, vacuum bagging, controlled spraying *[if approved by IDEM]*, or installing a control device. This is allowed to meet the HAP monomer content limits for resins and gel coats within each category, and shall be calculated on an equivalent emissions mass basis monthly to demonstrate compliance as shown below:

For Averaging within a category:

$$\sum E_{m_A} \leq \sum (M_R * E_a)$$

Where:

M_R = Total monthly mass of material within each category

E_a = Emission factor for each material based on allowable monomer content and allowable application method for each category.

E_{m_A} = Actual monthly emissions from all materials used within a category based on material specific emission factors, emission reduction techniques and emission controls

Units: mass = tons

emission factor = lbs of monomer per ton of resin or gel coat

emissions = lbs of monomer

Note: Fillers may not be included when averaging.

(b) The following categories of materials in subsection (a) shall be applied using mechanical nonatomized application technology or manual application:

- (1) Production noncorrosion-resistant, unfilled resins from all sources.
- (2) Production, specialty product resins from all sources.

Nonatomized application equipment means the devices where resin or gel coat material does any of the following:

- (1) Flows from the applicator, in a steady state in a observable coherent flow, without droplets, for a minimum distance of three (3) inches from the applicator orifices such as flow coaters, flow choppers, and fluid impingement equipment.
- (2) Is mechanically dispensed within or on to a paint roller applicator such as pressure fed rollers.
- (3) Is deposited on fiber reinforcement moving through a resin or gel coat bath such as resin impregnators.

Nonatomized spray application technology includes flow coaters, flow choppers, pressure-fed rollers, fluid impingement, or other non-spray applications of a design and specifications approved by IDEM, OAQ.

Filled resins are resins containing greater than or equal to thirty-five percent (35%) by weight inert filler material, such as silica micro-spheres or micro-balloons, added to alter the density or other physical properties of the resin. The term "inert filler" does not include pigments.

(c) Unless specified in subsection (b), gel coat application and mechanical application of resins shall be by any of the following spray technologies:

- (1) Nonatomized application technology.
- (2) Air-assisted airless.
- (3) Airless.
- (4) High volume, low pressure (HVLP).
- (5) Equivalent emission reduction technologies to subdivisions (2) through (4).

(d) The following cleaning operation standards for resin and gel coat application equipment shall apply:

- (1) For routine flushing of resin and gel coat application equipment such as spray guns, flow coaters, brushes, rollers, and squeegees, a cleaning solvent shall contain no HAPs. This emission standard does not apply to solvents used for removing cured resin or gel coat from application equipment.
- (2) A source must store HAP containing solvents used for removing cured resin or gel coat in containers with covers. The covers must have no visible gaps and must be in place at all times, except when equipment is placed in or removed from the container.

- (3) Recycled cleaning solvents that contain less than or equal to five percent (5%) HAP by weight are considered to contain no HAP for the purposes of this subsection.
- (e) To determine emission, the following references or methods shall be used:
 - (1) "Unified Emission Factors for Open Molding of Composites", April 1999, except use of controlled spray emission factors must be approved by the commissioner.
 - (2) "Compilation of Emission Factors", Volume 1, Fifth Edition, and supplements, January 1995, except for hand and spray layup operations emission factors.
 - (3) Site-specific values or other means of quantification provided the site-specific values and the emission factors are acceptable to OAQ and the U.S. EPA.

Pursuant to 326 IAC 20-25-4, the following work practice standards shall be implemented:

- (a) Non-atomizing spray equipment shall not be operated at pressures that atomize the material during the application process.
- (b) Except for mixing containers as described in item (g), HAP containing materials shall be kept in a closed container when not in use.
- (c) Solvents sprayed during cleanup and resin changes shall be directed into solvent collection containers.
- (d) Solvent collection containers shall be kept closed when not in use.
- (e) Clean-up rags with solvent shall be stored in closed containers.
- (f) Closed containers shall be used for the storage of the following:
 - (1) All production and tooling resins that contain HAPs.
 - (2) All production and tooling gel coats that contain HAPs.
 - (3) Waste resins and gel coats that contain HAPs.
 - (4) Cleaning materials, including waste cleaning materials.
 - (5) Other materials that contain HAPs.
- (g) All resin and gel coat mixing containers with a capacity equal to or greater than fifty-five (55) gallons must have a cover with no visible gaps in place at all times except when material is being added to or removed from a container, or when mixing or pumping equipment is being placed in or removed from a container.

Pursuant to 326 IAC 20-25-8, all new and existing personnel, including contract personnel, who are involved in resin and gel coat spraying and spray-like applications (for example, those applications that could result in excess emissions if performed improperly) shall be trained according to the following schedule:

- (a) All personnel hired after March 7, 2001 shall be trained within fifteen (15) days of hiring.
- (b) All personnel hired before March 7, 2001 shall be trained or evaluated by a supervisor within thirty (30) days of the start of operation.

- (c) To ensure training goals listed in subsection (b) are maintained, all personnel shall be given refresher training annually.
- (d) Personnel who have been trained by another owner or operator subject to 326 IAC 20-25 are exempt from subdivision (a) if written documentation that the employee's training is current is provided to the new employer.
- (e) If the result of an evaluation shows that training is needed, such training shall occur within fifteen (15) days of the evaluation.
- (f) The lesson plans shall cover, for the initial and refresher training, at a minimum, all of the following topics:
 - (1) Appropriate application techniques.
 - (2) Appropriate equipment cleaning procedures.
 - (3) Appropriate equipment setup and adjustment to minimize material usage and overspray.
- (g) The owner or operator shall maintain the following training records on site and available for inspection and review:
 - (1) A copy of the current training program.
 - (2) A list of all current personnel, by name, that are required to be trained and the dates they were trained and the date of the most recent refresher training. Records of prior training programs and former personnel are not required to be maintained.

The source will be in compliance with the rules 326 IAC 20-25, 326 IAC 20-26 and 326 IAC 20-27 requirements.

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

The operation of hand/spray layup reinforced plastics and composites processes for manufacturing walk-in coolers and freezers, constructed in 1993, will emit greater than 10 tons per year of a single HAP or 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 will apply. This source has been determined to subject to the National Emission Standards for Hazardous Air Pollutants, 326 IAC 20 (40 CFR Part 63.5800 through 63.5935 Subpart WWWW) and comply with its requirements with compliance date set on April 21, 2006.

State Rule Applicability – Individual Facilities

326 IAC 6-3-2 (Process Operations)

On June 12, 2002, revisions to 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes) became effective; this rule was previously referred to as 326 IAC 6-3 (Process Operations). As of the date this permit is being issued these revisions have not been approved by EPA into the Indiana State Implementation Plan (SIP); therefore, the following requirements from the previous version of 326 IAC 6-3 (Process Operations) which has been approved into the SIP will remain applicable requirements until the revisions to 326 IAC 6-3 are approved into the SIP and the condition is modified in a subsequent permit action.

- (a) Pursuant to 326 IAC 6-3-1(b)(14), the fiberglass fabrication operation identified as FB-2 is exempted from rule 326 IAC 6-3-2 (Process Operations) because this operation uses Fluid Impingement Technology (FIT) equipment on its gelcoat and resin chop guns.

- (b) Pursuant to 326 IAC 6-3-1(b)(14), the fiberglass fabrication operation identified as FB-1 is exempted from rule 326 IAC 6-3-2 (Process Operations) because this operation uses Fluid Impingement Technology (FIT) equipment on its gelcoat and handlayup on resin coat.
- (c) Pursuant to 326 IAC 6-3-1(b)(8), the fiberglass fabrication operation identified as FB-3 is exempted from rule 326 IAC 6-3-2 (Process Operations) because this operation uses hand layup gelcoat application which is equivalent to brush coating application.
- (d) Pursuant to 326 IAC 6-3-1(b)(6), the surface coating operation, identified as SC-1, is exempted from rule 326 IAC 6-3-2 (Process Operations) because this operation uses hand-roll application for surface coating operation

326 IAC 8-1-6 (General Reduction Requirements)

- (a) The total VOC usage at the fiberglass fabrication operation, identified as FB-2, shall be limited to less than 25.0 tons VOC per twelve (12) consecutive month period including coatings, dilution solvents and cleaning solvents with compliance determined at the end of each month. This usage limit is required to limit potential VOC emissions to less than 25.0 tons per year to render the requirements of 326 IAC 8-1-6 (General Reduction Requirements) not applicable.
- (b) The two fiberglass operations, identified as FB-1 and FB-3, are not subject to the requirements of 326 IAC 8-1-6 (General Reduction Requirements) because they have potential to emit VOC less than 25 tons per year each although they were constructed in 1993, after the January 1, 1980 rule applicability date.
- (c) The total VOC usage at the surface coating operation identified as SC-1 shall be limited to less than 25.0 tons VOC per twelve (12) consecutive month period including coatings, dilution solvents, and cleaning solvents with compliance determined at the end of each month. This usage limit is required to limit potential VOC emissions to less than 25.0 tons per year to render the requirements of 326 IAC 8-1-6 (General Reduction Requirements) not applicable.

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

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

Conclusion

The operation of hand/spray layup reinforced plastics and composites processes for manufacturing walk-in coolers and freezers shall be subject to the conditions of this Part 70 permit **T003-17734-00232**.

Indiana Department of Environmental Management Office of Air Quality

Addendum to the Technical Support Document for a Part 70 Operating Permit Renewal

Source Name: Polar King International, Inc.
Source Location: 4424 New Haven Avenue, Fort Wayne, Indiana 46803
County: Allen
SIC Code: 3585
Operation Permit No.: T003-17731-000232
Permit Reviewer: Femi Ogunsola/EVP

On July 2, 2004, the Office of Air Quality (OAQ) had a notice published in the Fort Wayne Journal Gazette in Fort Wayne, Indiana, stating that Polar King International, Inc. had applied for a Part 70 Operating Permit renewal relating to the operation of hand/spray layup reinforced plastics and composites manufacturing processes for the production of walk-in coolers /freezers. The notice also stated that OAQ proposed to issue a permit renewal for this operation and provided information on how the public could review the proposed Part 70 permit renewal and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit renewal should be issued as proposed.

The public notice ended on August 1, 2004. The source has not submitted any comments and has indicated through an email on August 18, 2004 that they have no post public notice comments on the Part 70 permit renewal. However, upon further review, OAQ has determined the following changes will be made to the permit (where language deleted is shown with strikeout and that which is added is shown in bold):

- (1) Condition B.23 has been revised to reflect that the name of the Billing Section has been changed from I/M Billing section to Billing, Licensing and Training section.

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, ~~I/M &~~ **Billing, Licensing and Training Section**), to determine the appropriate permit fee.

- (2) Condition C.16 (a) has been revised as follows to reflect the starting year to submit emission statement since the permit will be issued after July 1, 2004:

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

- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in ~~2004~~ **2007** 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:
- (3) The Quarterly Deviation and Compliance Monitoring Report Form has been revised as follows (next two pages):

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

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

Source Name: Polar King International, Inc.
Source Address: 4424 New Haven Avenue, Fort Wayne, Indiana 46803
Mailing Address: 4424 New Haven Avenue, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-17734-00232

Months: _____ to _____ Year: _____

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. ~~Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report.~~ **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".

NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

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

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

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

Company Name: Polar King International, Inc.
Address City IN Zip: 4424 New Haven Avenue, Fort Wayne, Indiana 46803
Title V: T003-17734-00232
Reviewer: FO/EVP
Date: 02/19/2004

Uncontrolled Potential Emissions (tons/year)			
Emissions Generating Activity			
Pollutant	Fiberglass Processes Emissions	Surface Coating Operations Emissions	TOTAL
PM	76.89	0.00	76.89
PM10	76.89	0.00	76.89
SO2	0.00	0.00	0.00
NOx	0.00	0.00	0.00
VOC	43.20	35.70	78.90
CO	0.00	0.00	0.00
total HAPs	41.71	0.00	41.71
worst case single HAP	35.01	0.00	35.01
Total emissions based on rated capacity at 8,760 hours/year.			
Controlled Potential Emissions (tons/year)			
Emissions Generating Activity			
Pollutant	Fiberglass Processes Emissions	Surface Coating Operations Emissions	TOTAL
PM	76.89	0.00	76.89
PM10	76.89	0.00	76.89
SO2	0.00	0.00	0.00
NOx	0.00	0.00	0.00
VOC	43.20	35.70	78.90
CO	0.00	0.00	0.00
total HAPs	41.71	0.00	41.71
worst case single HAP	35.01	0.00	35.01
Total emissions based on rated capacity at 8,760 hours/year, after control.			

**Appendix A: Emissions Calculations
Reinforced Plastics and Composites
Non Vapor Suppressed (NVS) Fiberglass Processes**

Company Name: **Polar King International, Inc.**
Address City IN Zip: **4424 New Haven Ave, Fort Wayne, IN 46803**
Title V: **T003-17734-00232**
Reviewer: **FO/EVP**
Date: **02/19/2004**

Emissions Calculations

Material	Density (lb/gal)	Emission Factor% Styrene Monomer/VOC	Gallons per unit	Units per hour	Pound VOC per hour	Pounds VOC per day	Tons of VOC* per Year	PM tons per year	Flash off Factor (%)
FB-1 Resin Non-Spray Layup (ns)	9.43	4.30%	1.000000	0.21	0.09	2.04	0.37	0.00	100.00%
FB-2 Resin Spray Layup (s)	9.43	5.90%	59.500000	0.11	3.64	87.39	15.95	63.60	100.00%
FB-1 Gel Coat (gc)	9.43	18.60%	0.250000	0.21	0.09	2.21	0.40	0.44	100.00%
FB-2 Gel Coat (gc)	9.43	18.60%	13.900000	0.11	2.68	64.36	11.75	12.85	100.00%
FB-3 Gel Coat (gc)	9.43	18.30%	0.700000	0.50	0.60	14.50	2.65	0.00	100.00%
FB-3 Gel Coat (gc)	8.70	29.20%	0.700000	0.50	0.89	21.34	3.89	0.00	100.00%
catalyst	9.05	98.5%	0.313000	0.67	1.87	44.87	8.19	0.00	100.00%
Totals:					9.86	236.71	43.20	76.89	

The Door Shop (FB-1) resin process, and the Floor Shop (FB-3) gelcoat process utilize hand layup application methods with 100% transfer efficiencies. All other processes utilize spray layup application methods with transfer efficiencies of 75%.

METHODOLOGY

Potential VOC Pounds per Hour = Density (lb/gal) * Weight % Monomer * Gal of Material (gal/unit) * Maximum (unit/hr) * Emission factor
 Potential VOC Pounds per Day = Density (lb/gal) * Weight % Monomer * Gal of Material (gal/unit) * Maximum (unit/hr) * (24 hrs / 1 day) * Emission factor
 Potential VOC Tons per Year = Density (lb/gal) * Weight % Monomer * Gal of Material (gal/unit) * Maximum (unit/hr) * (8760 hr/yr) * (1 ton / 2000 lbs) * Emission factor
 Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1 - Weight % Volatiles) * (1 - Transfer efficiency) * (8760 hr/yr) * (1 ton / 2000 lbs)
 Total = Sum of all worst case coatings and solvents used
 Emission Factor Styrene Monomer/VOC (%) = calculated % Styrene flash off from CFA Emission Calculations

**Facility Emissions Calculator
Open Molding Operations**
Company Name: **Polar King International, Inc.**
Address City IN Zip: **4424 New Haven Ave, Fort Wayne, IN 46803**
Title V: **T003-17734-00232**
Reviewer: **FO/EVP**
Date: **02/19/2004**

	1	2	3	4	5	6	7	8
Manual Resin Application	Resin Used/Year (lbs)	Monomer Content 40.0%	Vapor Suppressant (Y OR N)	Controlled Spray (Y OR N)	*Non-Atomized Application (Y OR N)	Treated by Add-On Controls (%)	Emission Factor (%) RW	Total Emissions (LBS)
Resin #1	17347	33.5% n				0%	4.3%	744
Resin #2	0	33.5% n				0%	4.3%	0
Resin #3	0	40.0% n				0%	6.2%	0

Mechanical Resin Application

Resin #1	540661	33.5% n	n	n	0%	5.9%	32,002
Resin #2	0	40.0% n	n	n	0%	10.6%	0
Resin #3	0	40.0% n	n	n	0%	10.6%	0

Gel Coat Application

Gel Coat #1	4336	36.8% n	n	0%	18.6%	808
Gel Coat #2	126305	36.8% n	n	0%	18.6%	23,524
Gel Coat #2	28912	36.5% n	n	0%	18.3%	5,295
Gel Coat #3	26674	47.0% n	n	0%	29.2%	7,787

Filament Winding Application

Resin #1	0	40.0% n			0%	8.0%	0
Resin #2	0	40.0% n			0%	8.0%	0
Resin #3	0	40.0% n			0%	8.0%	0

Total Facility Emissions - lbs 70,159
tons 35

Information

INSTRUCTIONS

Column 1	Enter lbs of resin or gel coat used - Enter "0" if row inactive
Column 2	Enter resin monomer content - must be between 33% and 50%1
Column 3	Enter vapor suppressant - "y" or "n"
Column 4	Enter controlled spray - "y" or "n" 2
Column 5	Enter non-atomized application - "y" or "n" 2
Column 6	Enter % of airstream treated by add-on controls 3
Column 7	Reports emissions factor - % of Resin Weight (RW)
Column 8	Reports emissions - lbs emissions

Emissions Factor is % Emissions per Resin Weight (RW)

Calculation: Emissions Factor x Resin Weight = Emissions (lbs)

1 Entering monomer contents of <33% or >50% will return invalid results

2 Controlled Spraying and Non-atomized Application cannot be used simultaneously
choose one "Y" and the other "N", or both "N". Do Not enter both "Y"

3 Add-on engineering controls are incinerators, carbon adsorption units, bio-filtration units, or other airstream treatment devices.

Emission factors and calculations from the EPA's CFA Emission Models, included in a document entitled "CFA Emission Models for the Reinforced Plastics Industries", February 28, 1998

**Appendix A: Emission Calculations
HAP Emission Calculations**

**Company Name: Polar King International, Inc.
Address City IN Zip: 4424 New Haven Ave, Fort Wayne, IN 46803
Title V: T003-17734-00232
Reviewer: FO/EVP
Date: 02/19/2004**

Material	Density (Lb/Gal)	Gal of Mat (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Dime. Pthal.	Weight % MEK	Weight % Benzene	Weight % Styrene	Xylene Emissions (ton/yr)	Dimethyl Pthalate (ton/yr)	Methyl ethyl ketone (ton/yr)	Benzene (ton/yr)	Styrene (ton/yr)
Industrial Enamel (1)	8.45	3.0000	0.67	5.00%	0.00%	0.00%	0.10%	0.00%	3.72	0.00	0.00	0.07	0.00
FB-1 Resin Non-Spray Layup (ns)	9.43	1.0000	0.21	0.00%	0.00%	0.00%	0.00%	4.30%	0.00	0.00	0.00	0.00	0.37
FB-2 Resin Spray Layup (s)	9.43	59.5000	0.11	0.00%	0.00%	0.00%	0.00%	5.90%	0.00	0.00	0.00	0.00	15.95
FB-1 Gel Coat (gc)	9.43	0.2500	0.21	0.00%	0.00%	0.00%	0.00%	18.60%	0.00	0.00	0.00	0.00	0.40
FB-2 Gel Coat (gc)	9.43	13.9000	0.11	0.00%	0.00%	0.00%	0.00%	18.60%	0.00	0.00	0.00	0.00	11.75
FB-3 Gel Coat (gc)	9.43	0.7000	0.50	0.00%	0.00%	0.00%	0.00%	18.30%	0.00	0.00	0.00	0.00	2.65
FB-3 Gel Coat (gc)	8.70	0.7000	0.50	0.00%	0.00%	0.00%	0.00%	29.20%	0.00	0.00	0.00	0.00	3.89
Catalyst	9.05	0.3130	0.67	0.00%	32.00%	3.00%	0.00%	0.00%	0.00	2.66	0.25	0.00	0.00
Total Potential Emissions									3.72	2.66	0.25	0.07	35.01

(1) Coating #4587 (Intermediate tint base) has the worst case HAP content. It was used to calculate potential worst-case HAP emissions from surface coating (SC-1)..
Based on a 32.78% usage limit, the limited potential to emit HAPs from surface coating is equal to 3.72(1-.3278)+0.07(1-.3278) = 2.55 tons/yr total HAPs. See Appendix A, page 2 for more detailed emissions calculations.

(2) Based on operation specific flash-off factors, styrene is the worst case single HAP with potential emissions of 35.01 tons per year (see page 1, Appendix A for more detailed emissions calculations).
The worst case total HAP emissions from the source is equal to 35.01+3.72+2.66+0.25+0.07 =41.71 tons HAP per year.

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: Emission Calculations
VOC and Particulate
From Surface Coating Operations - SC-1**

**Company Name: Polar King International, Inc.
Address City IN Zip: 4424 New Haven Ave, Fort Wayne, IN 46803
Title V: T003-17734-00232
Reviewer: FO/EVP
Date: 02/19/2004**

Potential Emissions (uncontrolled):																			
Material (as applied)	Process	Density (Lb/Gal)	Weight % Volatile (H2O& Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (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 pound per hour	Potential VOC pound per day	Potential VOC tons per year	Particulate Potential ton/yr	lb VOC /gal solids	Transfer Efficiency		
Industrial Enamel F/A Paint (1)		9.30	43.00%	0.00%	39.00%	0.00%	61.00%	3.000	0.67	3.6	3.63	7.29	174.97	31.93	0.00	5.95	1		
Industrial Enamel grey paint		8.03	50.50%	0.00%	50.50%	0.00%	61.00%	3.000	0.67	4.1	4.06	8.15	195.62	35.70	0.00	6.65	1		
Potential Emissions:												8.15	195.62	35.70	0.00				
Potential Emissions (controlled):																			
										Usage Limitation:		Limited VOC lbs per Hour	Limited VOC lbs per Day	Limited VOC tons per Year	Limited PM tons/yr				
										VOC	PM	5.48	131.50	24.00	0.00				
Potential Emissions:										32.78%	0.00%								

VOC usage at SC-1 shall be limited to 24.0 tons per twelve (12) consecutive month period to avoid 326 IAC 8-1-6 (General Reduction Requirements). This limit is equivalent to limiting usage of their Machine Grey Enamel (1) The F/A paint represents the average of all coatings in the series of '4500' series of paints used by Polar King International, Inc. (2) The machine grey paint is the coating in the 4500 series with the worst-case VOC content. This coating was used to calculate potential VOC emissions.

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) * Transfer Efficiency
 Total = Worst Coating + Sum of all solvents used
 Controlled emission rate = uncontrolled emission rate * (1 - control efficiency)