



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
MC 61-53
(317) 232-8603
(800) 451-6027
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TO: Interested Parties / Applicant
DATE: February 28, 2008
RE: Hy-Tec Fiberglass, Inc. / 003-24580-00170
FROM: Matthew Stuckey, Deputy Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, 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 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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.

Enclosures
FNPER.dot12/03/07



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Federally Enforceable State Operating Permit Renewal OFFICE OF AIR QUALITY

**Hy-Tec Fiberglass, Inc.
2204 Suppliers Court
Fort Wayne, Indiana 46818**

(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. 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 2-8 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.

Indiana statutes from IC 13 and rules from 326 IAC, quoted 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 FESOP under 326 IAC 2-8.

Operation Permit No.: F003-24580-00170	
Issued by: Original signed by Chrystal Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: February 28, 2008 Expiration Date: February 28, 2018



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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 2-8-3(b)]

The Permittee owns and operates a stationary reinforced plastic products manufacturing plant.

Source Address:	2204 Suppliers Court, Fort Wayne, Indiana 46818
Mailing Address:	2201 Suppliers Court, Fort Wayne, IN 46818
General Source Phone Number:	260-489-6601
SIC Code:	3089
County Location:	Allen
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

The source consists of the following permitted emission units and pollution control devices, all constructed in 1984 except the control devices listed in (f) and (g) of this section:

- (a) one (1) boom lay-up area (Zone 1) which employs six (6) hand lay-up stations, using no control devices and exhausting through vent V7;
- (b) one (1) bucket and small parts hand lay-up area (Zone 6) which employs one (1) lay-up station, using no control devices and exhausting through vents V2 and V3;
- (c) one (1) gel coat spray lay-up area (Zone 5A) which employs one (1) gel coat booth, utilizing air-assisted airless spray guns, using dry filters for particulate matter control and exhausting through vent V1; and
- (d) one (1) boom priming area (Zone 5C) which employs one (1) spray booth, utilizing HVLP spray guns, with dry filters for particulate matter control and exhausting through vents V4 and V5.
- (e) one (1) boom painting area (Zone 5B) which employs one (1) spray booth, utilizing HVLP spray guns, with dry filters for particulate matter control and exhausting through vents V3 and V4 ;
- (f) one (1) fiberglass cutting room (Room 1), equipped with a duct system that is covered by a filter media and routed to a containment vessel to collect particulate emissions.
- (g) one (1) fiberglass sanding and cutting operations room (Room 2), connected to a central vacuum system with a 55-gallon collection system for particulate control.

A.3 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities:

- (a) natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu

per hour;

- (b) application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings;
- (c) water based adhesives that are less than or equal to five (5%) percent by volume of volatile organic compounds (VOCs) excluding hazardous air pollutants (HAPs);
- (d) trimmers that do not produce fugitive emissions and that are equipped with a dust collection system or trim material recovery device such as a bag filter or cyclone;
- (e) on-site fire and emergency response training approved by the department;
- (f) grinding and machining operations controlled with fiber filters, scrubbers, mist collectors, wet collectors, and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4,000 actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations; and
- (g) mold release agents using low volatile products (vapor pressure less than or equal to two (2) kPa) kilopascals measured at 38 degrees Celsius).

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) to renew a Federally Enforceable State Operating Permit (FESOP).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-8-1]

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 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

- (a) This permit, F003-24580-00170, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit or of permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

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

B.4 Enforceability [326 IAC 2-8-6]

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

B.5 Severability [326 IAC 2-8-4(4)]

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 2-8-4(5)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-8-4(5)(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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1). 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 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

- (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 an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

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

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

- (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 2-8-4(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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.11 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]

- (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) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.12 Emergency Provisions [326 IAC 2-8-12]

- (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 except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865
 - (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality

100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

The notice fulfills the requirement of 326 IAC 2-8-4(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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) 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 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) 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.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

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

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

- (a) All terms and conditions of permits established prior to F003-24580-00170 and issued pursuant to permitting programs approved into the state implementation plan have been either:

- (1) incorporated as originally stated,
- (2) revised, or
- (3) deleted.

- (b) All previous registrations and permits are superseded by this permit.

B.14 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

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 2-8-3(h) and 326 IAC 2-8-9.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

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

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

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

The Quarterly Deviation and Compliance Monitoring Report does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (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 2-8-8(a)]
- (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 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(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 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

- (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 2-8-3. 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
 - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1] [40 CFR 72]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Pursuant to 326 IAC 2-7-11(b) and 326 IAC 2-7-12(a), administrative Part 70 operating permit amendments and permit modifications for purposes of the acid rain portion of a Part 70 permit shall be governed by regulations promulgated under Title IV of the Clean Air Act. [40 CFR 72]
- (c) Any application requesting an amendment or modification of this permit shall be submitted to:

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

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (d) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) 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 approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

and

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

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

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b) through (d). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

- (b) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).

- (c) Alternative Operating Scenarios [326 IAC 2-8-15(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 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.
- (e) This condition does not apply to emission trades of SO₂ or NO_x under 326 IAC 21 or 326 IAC 10-4.

B.20 Source Modification Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

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 FESOP 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, at reasonable times, 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, at reasonable times, 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, at reasonable times, 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 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue

MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][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) 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 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-8-4(1)]

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

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

C.2 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (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.

Testing Requirements [326 IAC 2-8-4(3)]

C.8 Performance Testing [326 IAC 3-6]

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

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

Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

C.10 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

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

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

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

The notification which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

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

Corrective Actions and Response Steps [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

C.13 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

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

C.14 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely

recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

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

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

- (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 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.16 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

- (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.17 General Reporting Requirements [326 IAC 2-8-4(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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:
- Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.18 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 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) one (1) boom lay-up area (Zone 1) which employs six (6) hand lay-up stations, using no control devices and exhausting through vent V7;
- (b) one (1) bucket and small parts hand lay-up area (Zone 6) which employs one (1) lay-up station, using no control devices and exhausting through vents V2 and V3;
- (c) one (1) gel coat spray lay-up area (Zone 5A) which employs one (1) gel coat booth, utilizing air-assisted airless spray guns, using dry filters for particulate matter control and exhausting through vent V1;
- (d) one (1) boom painting area (Zone 5B) which employs one (1) spray booth, utilizing HVLP spray guns, with dry filters for particulate matter control and exhausting through vents V3 and V4; and
- (e) one (1) boom priming area (Zone 5C) which employs one (1) spray booth, utilizing HVLP spray guns, with dry filters for particulate matter control and exhausting through vents V4 and V5.

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

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Hazardous Air Pollutants (HAPs) [326 IAC 2-8-4]

- (a) Pursuant to 326 IAC 2-8-4, the total single HAP input to the facilities in Zone 1, Zone 5A, Zone 5B, Zone 5C, and Zone 6 shall not exceed a total of nine and nine-tenths (9.9) tons per twelve (12) consecutive month period. This usage limit is required to limit the source-wide potential to emit of single HAP to less than ten (10) tons per twelve (12) consecutive month period with compliance determined at the end of each month. Compliance with this limit will satisfy the requirements of 326 IAC 2-8 and renders 326 IAC 2-7 not applicable.
- (b) Pursuant to 326 IAC 2-8-4, the total combination of HAPs input to the facilities in Zone 1, Zone 5A, Zone 5B, Zone 5C, and Zone 6, shall not exceed a total of twenty-four and nine-tenths (24.9) tons per twelve (12) consecutive month period. This usage limit is required to limit the source-wide potential to emit of combined HAP emissions to less than twenty-five (25) tons per twelve (12) consecutive month period with compliance determined at the end of each month. Compliance with this limit will satisfy the requirements of 326 IAC 2-8 and renders 326 IAC 2-7 not applicable.

D.1.2 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate matter emissions from the one (1) gel coat spray lay-up area (Zone 5A), and the one (1) boom priming area (Zone 5C) shall be controlled by a dry particulate filter, a waterwash, or an equivalent control device and the control device shall be operated in accordance with manufacturer's specifications. The dry particulate filters shall be in operation at all times when the facilities in Zones 5A and 5C are in operation, in order to comply with this rule.

D.1.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the (1) gel coat spray lay-up area (Zone 5A), and the one (1) boom priming area

(Zone 5C) and the associated control devices.

Compliance Determination Requirements

D.1.4 Hazardous Air Pollutants (HAPs) [326 IAC 8-1-4(a)(3)(A)] [326 IAC 8-1-2(a)]

Compliance with the HAP content and usage limitations contained in Condition D.1.1 shall be determined pursuant to 326 IAC 8-1-4(a)(3)(A) using formulation data supplied by the coating manufacturer. However, IDEM, OAQ reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.1.5 Monitoring

- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters for the one (1) gel coat spray lay-up area (Zone 5A), and the one (1) boom priming area (Zone 5C). To monitor the performance of the dry filters, weekly observations shall be made of the overspray while the spray booths are in operation. Section C- Response to Excursions or Exceedances shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the one (1) gel coat spray lay-up area (Zone 5A), and the one (1) boom priming area (Zone 5C), vent exhausts from vents V1, V4, and V5, for the presence of overspray on the rooftops and the nearby ground. Section C- Response to Excursions or Exceedances for this unit shall contain troubleshooting contingency and response steps for when an overspray emission, evidence of overspray emission, or other abnormal emission is observed. The Response to Excursions or Exceedances shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

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

D.1.7 Record Keeping Requirements

- (a) To document compliance with Condition D.1.1, the Permittee shall maintain records in accordance with (1) through (7) below. Records maintained for (1) through (7) shall be taken as indicated below and shall be complete and sufficient to establish compliance with the HAP usage and/or the emission limits established in Condition D.1.1.
 - (1) HAP content of each coating material and solvent used;
 - (2) The amount of coating material, resin, gel coat and solvent used less water on daily 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 HAP usage for each month;
 - (5) The weight of HAPs (single and combined) emitted for each compliance period;

- (6) The HAP content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents; and
- (7) The single and combination of HAPs usage for each month.
- (b) To document compliance with Condition D.1.5, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.8 Reporting Requirements

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

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (a) one (1) fiberglass cutting room (Room 1), equipped with a duct system that is covered by a filter media and routed to a containment vessel to collect particulate emissions.
- (b) one (1) fiberglass sanding and cutting operations room (Room 2), connected to a central vacuum system with a 55-gallon collection system for particulate control.

(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 2-8-4(1)]

D.2.1 Particulate Matter (PM) [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2, the combined particulate emissions from the one (1) fiberglass cutting room (Room 1), and the one (1) fiberglass sanding and cutting operations room (Room 2), shall be limited to 1.51 pounds per hour, at a total process weight rate of 450 pounds per hour.
- (b) The pounds per hour limitation in section (a) was calculated using the equation below.

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

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

D.2.2 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan, in accordance with Section C - Preventive Maintenance Plan, of this permit, is required for the fiberglass de-flashing (Room 1 and Room 2) operations.

Compliance Determination Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

D.2.3 Particulate Matter (PM)

In order to comply with Condition D.2.1, the duct system that is covered by a filter media and the central vacuum system with a 55-gallon collection container for particulate control shall be in operation at all times when the one (1) fiberglass cutting room (Room 1), and/or the one (1) fiberglass sanding and cutting operations room (Room 2), are in operation.

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

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Hy-Tec Fiberglass, Inc.
Source Address: 2204 Suppliers Court, Fort Wayne, Indiana 46818
Mailing Address: 2201 Suppliers Court, Fort Wayne, IN 46818
FESOP Permit No.: F003-24580-00170

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:

Date:

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

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT**

Source Name: Hy-Tec Fiberglass, Inc.
Source Address: 2204 Suppliers Court, Fort Wayne, Indiana 46818
Mailing Address: 2201 Suppliers Court, Fort Wayne, IN 46818
FESOP Permit No.: F003-24580-00170

This form consists of 2 pages

Page 1 of 2

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

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

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

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

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
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**

FESOP Quarterly Report

Source Name: Hy-Tec Fiberglass, Inc.
 Source Address: 2204 Suppliers Court, Fort Wayne, IN 46818
 Mailing Address: 2201 Suppliers Court, Fort Wayne, IN 46818
 FESOP No.: F003-15096-00170
 Facility: Zone 1, Zone 5A, Zone 5B, Zone 5C and Zone 6
 Parameter: Single HAP and total HAP
 Limit: Single HAP input to less than nine and nine-tenths (9.9) tons per twelve (12) consecutive month period and total combined HAP input to less than twenty-four and nine-tenths (24.9) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:

Month	Column 1		Column 2		Column 1 + Column 2	
	Single HAP This Month	Total HAP This Month	Single HAP Previous 11 Months	Total HAP Previous 11 Months	Single HAP 12 Month Total	Total HAP 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
 FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Hy-Tec Fiberglass, Inc.
 Source Address: 2204 Suppliers Court, Fort Wayne, Indiana 46818
 Mailing Address: 2201 Suppliers Court, Fort Wayne, IN 46818
 FESOP Permit No.: F003-24580-00170

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

<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 Federally Enforceable State Operating Permit (FESOP) Renewal

Source Background and Description

Source Name: Hy-Tec Fiberglass, Inc.
Source Location: 2204 Suppliers Court, Fort Wayne, Indiana 46818
County: Allen
SIC Code: 3089
Operation Permit No.: F003-24580-00170
Permit Reviewer: APT

The Office of Air Quality (OAQ) has reviewed a FESOP renewal application from Hy-Tec Fiberglass, Inc. relating to the operation of a stationary reinforced plastic products manufacturing plant. Hy-Tec Fiberglass, Inc. was issued its first FESOP renewal, F003-15096-00170, on December 20, 2002.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices, all constructed in 1984 except the control devices listed in (f) and (g) of this section:

- (a) one (1) boom lay-up area (Zone 1) which employs six (6) hand lay-up stations, using no control devices and exhausting through vent V7;
- (b) one (1) bucket and small parts hand lay-up area (Zone 6) which employs one (1) lay-up station, using no control devices and exhausting through vents V2 and V3;
- (c) one (1) gel coat spray lay-up area (Zone 5A) which employs one (1) gel coat booth, utilizing air-assisted airless spray guns, using dry filters for particulate matter control and exhausting through vent V1;
- (d) one (1) boom priming area (Zone 5C) which employs one (1) spray booth, utilizing HVLP spray guns, with dry filters for particulate matter control and exhausting through vents V4 and V5;
- (e) one (1) boom painting area (Zone 5B) which employs one (1) spray booth, utilizing HVLP spray guns, with dry filters for particulate matter control and exhausting through vents V3 and V4;
- (f) one (1) fiberglass cutting room (Room 1), equipped with a duct system that is covered by a filter media and routed to a containment vessel to collect particulate emissions; and
- (g) one (1) fiberglass sanding and cutting operations room (Room 2), connected to a central vacuum system with a 55-gallon collection system for particulate control.

Unpermitted Emission Units and Pollution Control Equipment

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

Insignificant Activities

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

- (a) natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour;
- (b) application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings;
- (c) water based adhesives that are less than or equal to five (5%) percent by volume of volatile organic compounds (VOCs) excluding hazardous air pollutants (HAPs);
- (d) trimmers that do not produce fugitive emissions and that are equipped with a dust collection system or trim material recovery device such as a bag filter or cyclone;
- (e) on-site fire and emergency response training approved by the department;
- (f) grinding and machining operations controlled with fiber filters, scrubbers, mist collectors, wet collectors, and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4,000 actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations; and
- (g) mold release agents using low volatile products (vapor pressure less than or equal to two (2 kPa) kilopascals measured at 38 degrees Celsius).

Existing Approvals

- (a) FESOP Renewal F003-15096-00170, issued on December 20, 2002.

All conditions from previous approvals were incorporated into this FESOP.

Enforcement Issue

There are no enforcement actions pending.

Stack Summary

Stack or Vent ID	Operation	Height (feet)	Diameter (inches)	Flow Rate (acfm)	Temperature (°F)
V1	Exhaust	5	24" round	5,480	Ambient
V2	Exhaust	5	24" round	5,480	Ambient
V3	Exhaust	5	24" round	5,480	Ambient
V4	Exhaust	5	24" round	5,480	Ambient
V5	Exhaust	5	24" round	5,480	Ambient
V6	Exhaust	5	24" round	5,480	Ambient
V7	Exhaust	5	24" round	5,480	Ambient

Recommendation

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

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

An administratively complete FESOP Renewal application for the purposes of this review was received on April 9, 2007. There was no notice of completeness letter mailed to the source.

Emission Calculations

See Appendix A of this document for detailed emissions calculations pages 1 through 6.

County Attainment Status

The source is located in Allen County.

Pollutant	Status
PM _{2.5}	Attainment
PM ₁₀	Attainment
SO ₂	Attainment
NO _x	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOCs) and nitrogen oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. On September 6, 2007 the Indiana Air Pollution Control Board finalized a temporary emergency rule to redesignate Allen, Clark, Elkhart, Floyd, LaPorte, and St. Joseph Counties as attainment for the 8-hour ozone standard. Therefore, VOC emissions and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD). See the State Rule Applicability – Entire Source section.
- (b) Allen County has been classified as attainment or unclassifiable in Indiana for all remaining criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.
- (c) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.
- (d) 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 emissions are not counted toward determination of PSD applicability.

Potential to Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit (PTE) 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.”

Table 1.1 reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Table 1.1 Potential to Emit Before Controls

Pollutant	Unrestricted Potential Emissions (tons/year)
PM	97.14
PM₁₀	98.14
SO₂	0.11
VOC	22.48
CO	14.72
NO_x	17.52

Note: For the purpose of determining Title V applicability for particulates, PM₁₀, not PM, is the regulated pollutant in consideration.

Table 1.1 Potential to Emit HAPs Before Controls

HAPs	Unrestricted Potential Emissions (tons/year)
Styrene	16.89
Hexane	0.32
Methyl Isobutyl Ketone	0.95
Ethylbenzene	0.04
Xylene	0.2
Methyl methacrylate	0.006
Combined HAPs	18.42
TOTAL HAPS Threshold	single is greater than 10, combined is less than 25

- (a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of any single HAP is equal to or

greater than ten (10) tons per year. The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7. This source, otherwise required to obtain a Title V permit, has agreed to accept a permit with federally enforceable limits that restrict its PTE of any single HAP to less than ten (10) tons per twelve (12) consecutive month period and the potential to emit any combination of HAPs to less than twenty-five (25) tons per twelve (12) consecutive month period. Therefore, this source will be issued a Federally Enforceable State Operating Permit (FESOP), pursuant to 326 IAC 2-8.

- (b) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of all other criteria pollutants are less than one hundred (100) tons per year.
- (c) **Fugitive Emissions**
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are not counted toward determination of PSD applicability.

Potential to Emit After Issuance

The source, issued a FESOP Renewal on December 20, 2002, has opted to remain a FESOP source, rather than apply for a Part 70 Operating Permit. The following table summarizes the potential to emit after issuance of this permit, reflecting all limits of the emission units. Any control equipment is considered enforceable only after issuance of this Federally Enforceable State Operating Permit and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Limited Potential to Emit After Issuance								
(tons/year)								
Process/emission unit	PM	PM₁₀	SO₂	VOC	CO	NO_x	Combined HAPs	Single HAP
Fiberglass Production	0.20	0.20	----	5.11	----	----	5.11	Styrene 5.0
Fiberglass De-flashing	1.69	1.69	----	----	----	----	----	----
Surface Coating Operations	12.14	12.14	----	16.4	----	----	12.98	Styrene 4.58
Insignificant Activities	0.33	1.33	0.11	0.96	14.72	17.52	0.33	Hexane 0.32
Total PTE	14.36	15.36	0.11	22.48	14.72	17.52	18.42	9.9
Threshold	< 250	< 100	< 100	< 100	< 100	< 100	< 25	< 10

Federal Rule Applicability

- (a) The requirements of National Emission Standards for Hazardous Air Pollutants (NESHAP) for Surface Coating of Plastic Parts and Products, 40 CFR Part 63, Subpart PPPP, are not included in this permit. Although this is an existing affected source, as

defined in §63.4482, that uses 378 liters (100 gallons (gal)) per year, or more, of coatings that contain hazardous air pollutants (HAP) in the surface coating of plastic parts and products, it is not a major source of HAPs emissions. A major source of HAPs emissions is any stationary source or group of stationary sources located within a contiguous area and under common control that emits or has the potential to emit any single HAP at a rate of 9.07 megagrams (Mg) (10 tons) or more per year or any combination of HAP at a rate of 22.68 Mg (25 tons) or more per year. As a FESOP source, this source has accepted federally enforceable limits such that the requirements of 40 CFR 63 do not apply. Therefore, the requirements of 40 CFR 63, NESHAPs Subpart PPPP, are not applicable to this source.

- (b) The requirements of National Emission Standards for Hazardous Air Pollutants (NESHAP) for Reinforced Plastic Composites Production, 40 CFR Part 63, Subpart WWWW, are not included in this permit. Although this is an existing affected source, as defined in §63.5785, it is not a major source of HAPs emissions. A major source of HAPs emissions is any stationary source or group of stationary sources located within a contiguous area and under common control that emits or has the potential to emit any single HAP at a rate of 9.07 megagrams (Mg) (10 tons) or more per year or any combination of HAP at a rate of 22.68 Mg (25 tons) or more per year. As a FESOP source, this source has accepted federally enforceable limits such that the requirements of 40 CFR 63 do not apply. Therefore, the requirements of 40 CFR 63, NESHAPs Subpart WWWW, are not applicable to this source.
- (c) The requirements of 40 CFR Part 64, Compliance Assurance Monitoring, are not included in this permit. These requirements apply to a Part 70 source that involves a pollutant-specific emissions unit (PSEU), as defined in 40 CFR 64.1, which meets the following criteria:
 - (1) The unit is subject to an emission limitation or standard for and applicable regulated air pollutant;
 - (2) The unit uses a control device as defined in 40 CFR 64.1 to comply with that emission limitation or standard; and
 - (3) The unit has a potential to emit before controls equal to or greater than the applicable Part 70 major source threshold for the regulated pollutant.

As a FESOP source, this source has accepted federally enforceable limits such that the requirements of 326 IAC 2-7 (Part 70) do not apply. Therefore, the requirements of 40 CFR 64, Compliance Assurance Monitoring, are not applicable to this source.

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

State Rule Applicability - Entire Source

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

This source is not one of the twenty-eight (28) listed sources and the potential to emit of all criteria pollutants is less than 250 tons per year. Therefore, the requirements of 326 IAC 2-2 are not applicable.

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

This source is not subject to this rule. This rule applies to major sources of hazardous air pollutants (HAP) that were constructed or reconstructed after July 27, 1997. All the facilities at this source were constructed in 1984 and the limited PTE of HAPs is below major thresholds; therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source is located in Allen County which is not one of the specifically listed counties, and it is not subject to the provisions of 326 IAC 2-7. Therefore, the source is only subject to section five (5) of this rule, additional information requests. The remaining requirements of 326 IAC 2-6 do not apply to the source, and are not included in this permit.

326 IAC 2-8-4 (FESOP)

Pursuant to 326 IAC 2-8, the amount of a single HAP shall be limited to less than ten (10) tons per twelve (12) consecutive month period, and the combination of all HAPs shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

- (a) Pursuant to 326 IAC 2-8-4, facilities in Zone 1, Zone 5A, Zone 5B, Zone 5C, and Zone 6, shall be limited as follows:
 - (1) The worst-case single HAP delivered to the facilities in Zone 1, Zone 5A, Zone 5B, Zone 5C, and Zone 6, shall not exceed a total of nine and nine-tenths (9.9) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This requirement will limit source-wide single HAP emissions to less than ten (10) tons per twelve (12) consecutive month period. This limit will satisfy the requirements of 326 IAC 2-8.
 - (2) The combination of HAPs delivered to the facilities in Zone 1, Zone 5A, Zone 5B, Zone 5C, and Zone 6, shall not exceed a total of twenty-four and nine-tenths (24.9) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This requirement will limit source-wide combined HAP emissions to less than twenty-five (25) tons per twelve (12) consecutive month period. This limit will satisfy the requirements of 326 IAC 2-8.

326 IAC 5-1 (Opacity Limitations)

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

- (a) Opacity shall not exceed an average of forty percent (40%) 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 Part 60, Appendix A, Method 9 or fifteen (15) one (1) minute non-overlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions)

Pursuant to 326 IAC 6-4, the source shall not generate fugitive dust to the extent that some portion of the material escapes beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located.

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

This source is not subject to this rule. This rule applies to facilities constructed after January 1980, which have potential VOC emissions of 25 tons or more per year. All the facilities at this source have potential VOC emissions less than 25 tons per year, therefore, 326 IAC 8-1-6 does not apply. Any change or modification which may increase the source-wide potential volatile organic compound emissions to twenty-five (25) tons per year or more from any or all of the facilities in Zone 1, Zone 5A, Zone 5B, Zone 5C, and Zone 6 must be approved by the Office of Air Quality (OAQ) and be subject to 326 IAC 8-1-6 (General Reduction Requirements) before such change may occur.

326 IAC 20-56 (Reinforced Plastics Composites Production)

This source is not subject to the requirements of 326 IAC 20-56. This rule applies to sources with the potential to emit ten (10) tons per year, or more, of any single hazardous air pollutant (HAP), and twenty-five (25) tons per year, or more, of any combination of hazardous air pollutants (HAPs). This source has agreed to limit their potential to emit less than ten (10) tons per year of any single hazardous air pollutant (HAP), and less than twenty-five (25) tons per year of any combination of hazardous air pollutants (HAPs), therefore, this rule does not apply.

State Rule Applicability - Individual Facilities

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

- (a) The one (1) boom lay-up area (Zone 1), the one (1) bucket and small parts hand lay-up area (Zone 6), and the one (1) boom painting area (Zone 5B) facilities are exempt from 326 IAC 6-3-2 due to the following:
 - (1) one (1) boom lay-up area (Zone 1), the one (1) bucket and small parts hand lay-up area (Zone 6) activities are completed by hand, using roll, flow, or brush application methods that do not produce particulate emissions; and
 - (2) the one (1) boom painting area (Zone 5B) uses less than five (5) gallons of coating per day.
- (b) Pursuant to 326 IAC 6-3-2, the particulate matter emissions from the one (1) gel coat spray lay-up area (Zone 5A), and the one (1) boom priming area (Zone 5C) are both manufacturing processes that utilize more than five (5) gallons of coating per day. Therefore, the particulate from Zones 5A and 5C shall be controlled by a dry particulate filter, a waterwash, or an equivalent control device and the control device shall be operated in accordance with manufacturer's specifications.

The dry particulate filters shall be in operation at all times when the facilities in Zones 5A and 5C are in operation, in order to comply with this rule.

- (c) Pursuant to 326 IAC 6-3-2, the combined particulate emissions from the one (1) fiberglass cutting room (Room 1), and the one (1) fiberglass sanding and cutting operations room (Room 2), shall be limited to 1.51 pounds per hour, at a total process weight rate of 450 pounds per hour, using the following equation:

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

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

The uncontrolled potential to emit from the one (1) fiberglass cutting room (Room 1), and the one (1) fiberglass sanding and cutting operations room (Room 2), is 19.29 pounds of particulate per hour. The 19.29 lb/hr emission rate is greater than the 1.51 lb/hour allowable emission limit. Therefore, the duct system that is covered by a filter media and the central vacuum system with a 55-gallon collection container for particulate control shall be in operation at all times when the one (1) fiberglass cutting room (Room 1), and/or the one (1) fiberglass sanding and cutting operations room (Room 2), are in operation, in order to comply with 326 IAC 6-3-2.

COMPLIANCE

Based on Appendix A of this document, the potential particulate emission rate after controls is:

$$1.69 \text{ ton/yr} \times (2000 \text{ lbs/ton} / 8760 \text{ hrs/yr}) = 0.39 \text{ lb/hr}$$

The 0.39 lb/hr emission rate is less than the 1.51 lb/hour emission limit, and therefore, these facilities identified collectively as Rooms 1 and 2 are able to comply with 326 IAC 6-3-2.

- (d) The grinding and machining operations with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4,000 actual cubic feet per minute are exempt from 326 IAC 6-3-2 because the potential particulate emissions are less than five hundred fifty-one thousandths (0.551) pound per hour.

Testing Requirements

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Compliance Determination

Permits issued under 326 IAC 2-8 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 situation occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

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

Compliance Monitoring

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

- (a) The gel coating area (Zone 5A), the boom painting area (Zone 5B), and the boom priming area (Zone 5C), have applicable compliance monitoring conditions as specified below:
 - (1) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray while the spray booths are in operation. Section C- Response to Excursions or Exceedences shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedences shall be considered a deviation from this permit.
 - (2) Monthly inspections shall be performed of the particulate emissions from the stack and the presence of overspray on the rooftops and the nearby ground. Section C- Response to Excursions or Exceedences for this unit shall contain troubleshooting contingency and response steps for when an overspray emission, evidence of overspray emission, or other abnormal emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedences shall be considered a deviation from this permit.
- (b) The one (1) fiberglass cutting room (Room 1), equipped with a duct system that is covered by a filter media and routed to a containment vessel to collect particulate emissions and the one (1) fiberglass sanding and cutting operations room (Room 2), connected to a central vacuum system with a 55-gallon collection system for particulate control, do not have applicable compliance monitoring conditions, as the allowable PM and PM₁₀ emission rates are less than ten (10) pounds per hour.

These monitoring conditions are necessary to ensure compliance with 326 IAC 6-3 (Particulate Emission Limitations, Work Practices, and Control Technologies), and 326 IAC 2-8 (FESOP).

Conclusion

The operation of this reinforced plastic products manufacturing plant shall be subject to the conditions of the attached proposed FESOP No. F003-24580-00170.

Appendix A: Potential Emissions Calculations	
Fiberglass De-flashing	
PM/PM-10 Emissions	

Company Name: Hy-Tec Fiberglass, Inc.
Address City IN Zip: 2204 Suppliers Court, Fort Wayne, IN 46818
FESOP Renewal: F003-24580-00170
Reviewer: APT

Date: 10/03/07

1. Process Description:					
Primary PM Control Equipment:					
Outlet Grain Loading	0.01 grains/acf				
Air Flow Rate:	4,500 acfm				
Control Efficiency:	98.0%				
2. Potential to Emit After Control:					98%
Controlled Hourly PM/PM-10 Emissions = grain loading (gr/acf) x air flow rate (acfm) x 60 min/hr x 1lb/7,000 grains =					0.39 lbs/hr
Controlled PM/PM-10 Emissions = grain loading (gr/acf) x air flow rate (acfm) x 60 min/hr x 1lb/7,000 grains x 8,760 hrs/yr x 1 ton/2,000 lbs =					1.69 tons/yr
Note: All PM emissions are assumed equal to PM-10 emissions.					
3. Potential Uncontrolled Emissions:					
Potential PM/PM-10 Emissions = Controlled PM/PM-10 Emissions (tons/yr) / (1 - Control Efficiency) =					84.47 tons/yr
					19.29 lbs/hr

**Non-HAP VOCs and Particulate
From Surface Coating Operations**
Company Name: Hy-Tec Fiberglass, Inc.
Address City IN Zip: 2204 Suppliers Court, Fort Wayne, IN 46818
FESOP Renewal: F003-24580-00170
Reviewer: APT
Date: 01/17/08

Material (Booms only)	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	Transfer Efficiency
Boom Painting Area (Zone 5B)															
W120 SS White Tint (331W51)	14.4	10.00%	0.0%	10.0%	0.0%	90.00%	0.06	1.13	1.44	1.44	0.09	2.18	0.40	0.89	75%
Boom Priming Area (Zone 5C)															
FOURSEAL PRIMER	10.8	6.30%	0.0%	6.3%	0.0%	67.17%	0.900	1.13	0.68	0.68	0.69	16.58	3.03	11.25	75%

Potential Emissions

Total Non-HAP VOCs & Particulates = 3.42 12.14

+

maximum daily production

Hourly Production

9 booms
 9 boom units per day X 1 day / 8 hours = 1.125 boom units per hour
 Hours of operation = 8 hrs/day, 5 days per week

V-HAPS (from pg. 4) = 12.98

Total VOCs (V-HAPS and Non-HAP VOCs) (tpy) = 16.40

METHODOLOGY

Calculations are for non-HAP VOCs only, total VOCs will combine non-HAP VOCs and V-Haps from calculations on page 4 of TSD Appendix A.

10 gal. of primer used daily = 10 gal. of primer per day / 9 units per day = 0.9 gal./unit
 1/2 gal. of paint used daily = 0.5 gal. of paint / 9 units per day = 0.0555555556 gal./unit

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

V-HAP Emission Calculations

Company Name: Hy-Tec Fiberglass, Inc.
 Address City IN Zip: 2204 Suppliers Court, Fort Wayne, IN 46818
 FESOP Renewal: F003-24580-00170
 Reviewer: APT
 Date: 01/17/08

Material	Density	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Styrene	Weight % Methyl Isobutyl Ketone	Weight % Ethylbenzene	Xylene Emissions	Styrene Emissions	Methyl Isobutyl Ketone	Ethylbenzene Emissions
	(Lb/Gal)							(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)
Boom Painting Area (Zone 5B)											
W120 SS White Tint (331W51)	14.4	0.06	1.13	5.00%	0.00%	0.00%	1.00%	0.20	0.00	0.00	0.04
Boom Priming Area (Zone 5C)											
FOURSEAL PRIMER	10.8	0.900	1.13	0.00%	24.56%	1.97%	0.00%	0.00	11.79	0.95	0.00
TOTAL INDIVIDUAL V-HAPS								0.20	11.79	0.95	0.04
TOTAL COMBINED V-HAPS	12.98										

METHODOLOGY

PTE in tpy = 12.98

PTE Worst Case Single HAP (tpy) = 11.79

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

Maximum daily production

9 booms

Hourly Production

9 boom units per day X 1 day / 8 hours = 1.125 boom units per hour

Calculations are for V-Haps only. Total VOCs will combine V-HAPS and non-HAP VOCs from calculations on page 3 of TSD Appendix A.

10 gal. of primer used daily = 10 gal. of primer per day / 9 units per day = 0.9 gal./unit

1/2 gal. of paint used daily = 0.5 gal. of paint / 9 units per day = 0.0555555556 gal./unit

**Appendix A: Potential Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100**

**Company Name: Hy-Tec Fiberglass, Inc.
Address City IN Zip: 2204 Suppliers Court, Fort Wayne, IN 46818
FESOP Renewal: F003-24580-00170
Reviewer: APT
Date: 10/03/07**

Heat Input Capacity
MMBtu/hr

40.0

Potential Throughput
MMCF/yr

350.4

Pollutant						
Emission Factor in lb/MMCF	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.3	1.3	0.1	17.5	1.0	14.7

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	3.679E-04	2.102E-04	1.314E-02	3.154E-01	5.957E-04

**Worst Case
Single HAP
0.31536**

HAPs - Metals					
Emission Factor in lb/MMcf	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	8.760E-05	1.927E-04	2.453E-04	6.658E-05	3.679E-04

**Combined
HAPs (tpy)
0.33**

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

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Appendix A: Potential Emissions Calculations

Summary

Company Name: Hy-Tec Fiberglass, Inc.
Address City IN Zip: 2204 Suppliers Court, Fort Wayne, IN 46818
FESOP Renewal: F003-24580-00170
Reviewer: APT
Date: 10/03/07

Unlimited Potential to Emit (tons/year)								
Process/emission unit	PM	PM₁₀	SO₂	VOC	CO	NO_x	Combined HAPs	Single HAP
Fiberglass Production	0.20	0.20	----	5.11	----	----	5.11	Styrene 5.10
Fiberglass De-flashing	84.47	84.47	----	----	----	----	----	----
Surface Coating Operations	12.14	12.14	----	16.40	----	----	12.98	Styrene 11.79
Insignificant Activities	0.33	1.33	0.11	0.96	14.72	17.52	0.33	Hexane 0.32
Total PTE	97.14	98.14	0.11	22.48	14.72	17.52	18.42	16.89

Limited Potential to Emit after Controls (tons/year)								
Process/emission unit	PM	PM₁₀	SO₂	VOC	CO	NO_x	Combined HAPs	Single HAP
Fiberglass De-flashing	1.69	1.69	----	----	----	----	----	----
Total PTE	1.69	1.69	0.00	0.00	0.00	0.00	0.00	----

Limited Potential to Emit After Issuance (tons/year)								
Process/emission unit	PM	PM₁₀	SO₂	VOC	CO	NO_x	Combined HAPs	Single HAP
Fiberglass Production	0.20	0.20	----	5.11	----	----	5.11	Styrene
Fiberglass De-flashing	1.69	1.69	----	----	----	----	----	----
Surface Coating Operations	12.14	12.14	----	16.40	----	----	12.98	Styrene
Insignificant Activities	0.33	1.33	0.11	0.96	14.72	17.52	0.33	Hexane
Total PTE	14.36	15.36	0.11	22.48	14.72	17.52	18.42	9.90