INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.
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(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

To:	Interested Parties
Date:	June 12, 2014
From:	Matthew Stuckey, Chief Permits Branch Office of Air Quality
Source Name:	Vixen Composites, LLC
Permit Level:	Title V Administrative Amendment
Permit Number:	039-34482-00702
Source Location:	2965 LaVanture Place, Elkhart, Indiana
Type of Action Taken:	Changes that are administrative in nature

Notice of Decision: Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the matter referenced above. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

The final decision is available on the IDEM website at: http://www.in.gov/apps/idem/caats/
To view the document, select Search option 3, then enter permit 34482.

If you would like to request a paper copy of the permit document, please contact IDEM's central file room:

Indiana Government Center North, Room 1201
100 North Senate Avenue, MC 50-07
Indianapolis, IN 46204
Phone: 1-800-451-6027 (ext. 4-0965)
Fax (317) 232-8659

(continues on next page)

If you wish to challenge this decision, IC 4-21.5-3-7 requires 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 from 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.

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Mr. Gordon Frost
Vixen Composites, LLC
2965 LaVanture Place
Elkhart, Indiana 46514

June 12, 2014

Re: 039-34482-00702
Administrative Amendment to
Part 70 Operating Permit No. 039-29094-00702

Dear Mr. Frost:

Vixen Composites, LLC was issued a Part 70 Operating Permit No. T039-29094-00702 on August 19, 2010, for a stationary fiberglass reinforced panel manufacturing plant located at 2965 LaVanture Place, Elkhart, Indiana 46514. On April 28, 2014, the Office of Air Quality (OAQ) received an application from the source requesting to amend the total maximum process weight rate throughput of the fiberglass panel cutting and trimming operation to reflect the maximum throughput rate during the recent stack testing.

Pursuant to the provisions of 326 IAC 2-7-11(a), the permit is hereby administratively amended as described in the attached Technical Support Document.

Please find attached the entire Part 70 Operating Permit as amended. The permit references the below listed attachment. Since this attachment has been provided in previously issued approvals for this source, IDEM, OAQ has not included a copy of this attachment with this amendment:

Attachment A: 40 CFR 63, Subpart Subpart WWWW, National Emission Standards for Hazardous Air Pollutants for Reinforced Plastic Composites Production

Previously issued approvals for this source containing the attachment is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/.

Federal rules under Title 40 of United States Code of Federal Regulations may also be found on the U.S. Government Printing Office's Electronic Code of Federal Regulations (eCFR) website, located on the Internet at: http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title40/40tab_02.tpl.

A copy of the permit is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.

If you have any questions on this matter, please contact Ms. Renee Traivaranon of my staff, at 317-234-5615 or 1-800-451-6027, and ask for extension 4-5615.

Sincerely,

Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

Attachments: Updated Permit, Technical Support Document and Appendix A
IC/rt
cc: File - Elkhart County
Elkhart County Health Department
U.S. EPA, Region V
Compliance and Enforcement Branch

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Commissioner

New Source Construction and Part 70 Operating Permit OFFICE OF AIR QUALITY

Vixen Composites, LLC
2965 LaVanture Place
Elkhart, Indiana 46514

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

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

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

Operation Permit No.: T039-29094-00702	
Original Issued by / Signed by: Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: August 19, 2010 Expiration Date: August 19, 2015

Administrative Amendment No. 039-30533-00702, issued on June 14, 2011

Administrative Amendment No. 039-34482-00702	
Issued by: Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: June 12, 2014 Expiration Date: August 19, 2015

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Attachment A - Subpart WWWW—National Emission Standards for Hazardous Air Pollutants for Reinforced Plastic Composites Production

SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a fiberglass reinforced panel manufacturing plant.

Source Address:	2965 LaVanture Place, Elkhart, Indiana 46514
General Source Phone Number:	(574) 264-2699
SIC Code:	3089 (Plastics Products, Not Elsewhere Classified)
County Location:	Elkhart
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source under PSD Major Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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

(a) One (1) Fiberglass Flat Panel Pultrusion Line, identified as P1, constructed in 2010, comprised of the following facilities:

(1) One (1) resin impregnation area with maximum resin formulation usage of 0.4 pounds per square foot and a maximum production rate of 20 pounds of resin per minute, exhausting through stack S1. Under 40 CFR 63, Subpart WWWW, this facility is considered part of a new affected reinforced plastic composites production operation;

(2) One (1) heated die station, up to four (4) infrared heating lamp banks, up to four (4) reciprocating or stationary UV lamps, and one (1) heat bar used for bonding and curing various processes throughout the line. Under 40 CFR 63, Subpart WWWW, this facility is considered part of a new affected reinforced plastic composites production operation;

(3) One (1) non-chemical panel cleaning operation using rotating soft bristle brushes for non-abrasive light surface cleaning and controlled by a vacuum system for particulate control;

(4) Two (2) enclosed surface coating application booths, identified as SB1 and SB2, for primer coat and finish coat spraying operations, with each booth using three (3) low pressure guns, UV curable coatings with a 100% solids content, equipped with dry filters for PM control, and exhausting to atmosphere through two (2) exhaust stacks per booth, identified as S3-S6.

(5) One (1) fiberglass panel cutting and trimming operation, identified as FTO1, equipped with five (5) saws for cut-off and trimming, with a total maximum throughput rate of 1440 pounds of panels per hour, equipped with a flexible dust

collection system vented to a central baghouse for particulate control with the exhaust vented back into the building through stack BH1; and

(6) One (1) application area for a protective film to fiberglass panels. Either plastic film or craft paper are applied to the finished panel as a protective layer.

(b) One (1) Fiberglass Flat Panel Line, identified as P2, constructed in 2010, comprised of the following facilities:

(1) One (1) resin impregnation area with maximum resin formulation usage of 0.4 pounds per square foot and a maximum production rate of 20 pounds of resin per minute, utilizing no VOC emission controls, exhausting through stack S2. Under 40 CFR 63, Subpart WWWW, this facility is considered part of a new affected reinforced plastic composites production operation;

(2) One (1) heated die station, up to four (4) infrared heating lamp banks, up to four (4) reciprocating or stationary UV lamps, and one (1) heat bar used for bonding and curing various processes throughout the line. Under 40 CFR 63, Subpart WWWW, this facility is considered part of a new affected reinforced plastic composites production operation;

(3) One (1) non-chemical panel cleaning operation using rotating soft bristle brushes for non-abrasive light surface cleaning and controlled by a vacuum system for particulate control;

(4) Two (2) enclosed surface coating application booths, identified as SB3 and SB4, for primer coat and finish coat spraying operations, with each booth using three (3) low pressure guns, UV curable coatings with a 100% solids content, equipped with dry filters for PM control, and exhausting to atmosphere through two (2) exhaust stacks per booth, identified as S7-S10;

(5) One (1) fiberglass panel cutting and trimming operation, identified as FTO2, equipped with a total of five (5) saws for cut-off and trimming, with a total maximum throughput rate of 1440 pounds of panels per hour, equipped with a flexible dust collection system vented to a central baghouse for particulate control with the exhaust vented back into the building through stack BH1; and

(6) One (1) application area for a protective film to fiberglass panels. Either plastic film or craft paper are applied to the finished panel as a protective layer.

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

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

(a) Paved and unpaved roads and parking lots with public access [326 IAC 6-4];

(b) Activities with emissions equal to or less than the following thresholds: 5 lb/hr or 25 lb/day PM and PM10; 5 lb/hr or 25 lb/day SO_2; 5 lb/hr or 25 lb/day NOx; 3 lb/hr or 15 lb/day VOC; 0.6 tons per year Pb; 1.0 ton/yr of a single HAP, or 2.5 ton/yr of any combination of HAPs:

(1) One (1) enclosed mixing room for resin, additive, filler, and catalyst formulation, utilizing no control devices for particulates and no exhaust outside of the room.

Under 40 CFR 63, Subpart WWWW, this is considered part of a new reinforced plastic composites production operation;

(2) Cleaning activities with acetone and/or MEK solvent in minor quantities. Under 40 CFR 63, Subpart WWWW, this is considered part of a new reinforced plastic composites production operation;

(3) Die repair and maintenance operations. Under 40 CFR 63, Subpart WWWW, this is considered part of a new reinforced plastic composites production operation;

(c) One (1) enclosed chemical storage room for multiple 330-gallon resin tote tanks, multiple 55-gallon drums and smaller containers (5-gallon pails) of resin additives, fillers, catalysts, surface coatings, and any other flammable liquids stored in small quantities (acetone). Less than 90-day storage of hazardous wastes containing VOCs and HAPs in closed containers may also be stored in this area. Under 40 CFR 63, Subpart WWWW, this is considered part of a new reinforced plastic composites production operation.

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

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

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

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

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

B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4]

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 when prior to the start of operation, the following requirements are met:

(a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.

(b) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.

(c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

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

(a) This permit, T039-29094-00702, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit 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, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.5 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.6 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

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

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

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

B.8 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

B.9 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

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

B.10 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

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

(i) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(34), and

(ii) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A "responsible official" is defined at 326 IAC 2-7-1(34).

B.11 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

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

and

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

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

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

B.12 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]

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

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

Indianapolis, Indiana 46204-2251

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

The Permittee shall implement the PMPs.

(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. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(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.13 Emergency Provisions [326 IAC 2-7-16]

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

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

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, or Northern Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

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

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

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

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

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

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

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

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

B.14 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this

permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

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

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.15 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

(a) All terms and conditions of permits established prior to T039-29094-00702 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit, except for permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control)

B.16 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

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

B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

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

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.18 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

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

(b) A timely renewal application is one that is:

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

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

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

B.19 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12] [40 CFR 72]

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

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

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

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

B.20 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

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

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

B.21 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

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

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

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

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). The Permittee shall make such records available, upon reasonable request, for public review.

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

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

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

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

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

(f) This condition does not apply to emission trades of SO_2 or NO_X under 326 IAC 21 or 326 IAC 10-4.

B.22 Source Modification Requirement [326 IAC 2-7-10.5]

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

B.23 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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

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

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

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

B.24 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

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

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

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

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

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

B.25 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

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

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

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

B.26 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

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

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

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

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

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

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

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

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

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Licensed Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

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

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

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

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

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

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

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

C.11 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

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

no later than 180 days from the date on which this source commences operation.

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

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

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

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

C.13 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

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

(a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

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

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

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records; and/or

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall record the reasonable response steps taken.

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

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

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

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

C.15 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit an emission statement by July 1 triennially, beginning in 2010 and every three (3) years thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

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

The statement must be submitted to:

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

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

C.16 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

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

C.17 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) The address for report submittal is:

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

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.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 applicable standards for recycling and emissions reduction.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) Fiberglass Flat Panel Pultrusion Line, identified as P1, constructed in 2010, comprised of the following facilities:

(1) One (1) resin impregnation area with maximum resin formulation usage of 0.4 pounds per square foot and a maximum production rate of 20 pounds of resin per minute, exhausting through stack S1. Under 40 CFR 63, Subpart WWWW, this facility is considered part of a new affected reinforced plastic composites production operation;

(2) One (1) heated die station, up to four (4) infrared heating lamp banks, up to four (4) reciprocating or stationary UV lamps, and one (1) heat bar used for bonding and curing various processes throughout the line. Under 40 CFR 63, Subpart WWWW, this facility is considered part of a new affected reinforced plastic composites production operation;

(3) Two (2) enclosed surface coating application booths, identified as SB1 and SB2, for primer coat and finish coat spraying operations, with each booth using three (3) low pressure guns, UV curable coatings with a 100% solids content, equipped with dry filters for PM control, and exhausting to atmosphere through two (2) exhaust stacks per booth, identified as S3-S6.

(b) One (1) Fiberglass Flat Panel Line, identified as P2, constructed in 2010, comprised of the following facilities:

(1) One (1) resin impregnation area with maximum resin formulation usage of 0.4 pounds per square foot and a maximum production rate of 20 pounds of resin per minute, utilizing no VOC emission controls, exhausting through stack S2. Under 40 CFR 63, Subpart WWWW, this facility is considered part of a new affected reinforced plastic composites production operation;

(2) One (1) heated die station, up to four (4) infrared heating lamp banks, up to four (4) reciprocating or stationary UV lamps, and one (1) heat bar used for bonding and curing various processes throughout the line. Under 40 CFR 63, Subpart WWWW, this facility is considered part of a new affected reinforced plastic composites production operation;

(3) Two (2) enclosed surface coating application booths, identified as SB3 and SB4, for primer coat and finish coat spraying operations, with each booth using three (3) low pressure guns, UV curable coatings with a 100% solids content, equipped with dry filters for PM control, and exhausting to atmosphere through two (2) exhaust stacks per booth, identified as S7-S10;

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

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

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

Pursuant to 326 IAC 6-3-2(d), the particulate emissions from the surface coating operations, identified as SB1, SB2, SB3, and SB4 shall be controlled by a dry particulate filter and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.1.2 Reinforced Plastics Composites Production [326 IAC 20-56-2]

(a) Operator Training. Each owner or operator shall train all new and existing personnel, including contract personnel, who are involved in resin and gel coating spraying and applications that could result in excess emissions if performed improperly according to the following schedule:

(1) All personnel hired shall be trained within (30) days of hiring.

(2) To ensure training goals listed in subsection (b) are maintained, all personnel shall be given refresher training annually.

(3) Personnel who have been trained by another owner or operator subject to this rule are exempt from subdivision (1) if written documentation that the employee's training is current is provided to the new employer(s).

(b) The lesson plans shall cover, for the initial and refresher training, at a minimum, all of the following topics:

(1) Appropriate application techniques.

(2) Appropriate equipment cleaning procedures.

(3) Appropriate equipment setup and adjustment to minimize material usage and overspray.

(c) The owner or operator shall maintain the following training records on site and make them available for inspection and review:

(1) A copy of the current training program.

(2) A list of the following:

(A) All current personnel, by name, that are required to be trained.

(B) The date the person was trained or date of the most recent refresher training, whichever is later.

Records of prior training programs and former personnel are not required to be maintained.

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan is required for these facilities and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

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

D.1.4 Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating production booth stacks (S2-S9) while one (1) or more of the booths are in operation. Section C – Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

(b) Monthly inspections shall be performed of the emissions from the stacks (S2-S9) and the presence of overspray on the rooftops and the nearby ground. Section C – Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

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

D.1.5 Record Keeping Requirements

(a) To document the compliance status with Condition D.1.3(c), the Permittee shall maintain the following training records:

(1) A copy of the current training program; and

(2) A list of all current personnel, by name, that are required to be trained and the dates they were trained and the date of the most recent refresher training. Records of prior

(b) To document the compliance status with Condition D.1.4, the Permittee shall maintain a log of weekly overspray observations and the daily and monthly inspections.

(c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Fiberglass Cutting and Trimming

(a) One (1) Fiberglass Flat Panel Pultrusion Line, identified as P1, constructed in 2010, comprised of the following facilities:

(1) One (1) fiberglass panel cutting and trimming operation, identified as FTO1, equipped with five (5) saws for cut-off and trimming, with a total maximum throughput rate of 1440 pounds of panels per hour, equipped with a flexible dust collection system vented to a central baghouse for particulate control with the exhaust vented back into the building through stack BH1; and

(b) One (1) Fiberglass Flat Panel Line, identified as P2, constructed in 2010, comprised of the following facilities:

(1) One (1) fiberglass panel cutting and trimming operation, identified as FTO2, equipped with a total of five (5) saws for cut-off and trimming, with a total maximum throughput rate of 1440 pounds of panels per hour, equipped with a flexible dust collection system vented to a central baghouse for particulate control with the exhaust vented back into the building through stack BH1; and

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

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

D.2.1 PSD Minor Limit [326 IAC 2-2]

Pursuant to 326 IAC 2-2, the total PM and PM_{10} emissions from the fiberglass cutting and trimming operations, identified as FTO1 and FTO2, shall be limited to 3.2 pounds of PM per hour and 3.2 pounds of PM_{10} per hour total. This pound per hour rate will limit PM/PM_{10} emissions to less than fourteen (14) tons per year.

Compliance with this limit, combined with the potential to emit PM and PM_{10} from other emission units at the source, shall limit the PM and PM_{10} from the entire source to less than 250 tons per twelve (12) consecutive month period and render the requirements of 326 IAC 2-2 not applicable.

D.2.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

(a) Pursuant to 326 IAC 6-3-2, the particulate emissions from the fiberglass cutting and trimming operation, identified as FTO1, shall not exceed 3.29 pounds per hour when operating at a process weight rate of 1,440 pounds per hour.

(b) Pursuant to 326 IAC 6-3-2, the particulate emissions from the fiberglass cutting and trimming operation, identified as FTO2, shall not exceed 3.29 pounds per hour when operating at a process weight rate of 1,440 pounds per hour.

(c) These are based on 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:

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

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan is required for these facilities and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.2.4 Testing Requirements [326 IAC 2-1.1-11]

To demonstrate compliance with Conditions D.2.1 and D.2.2, the Permittee shall perform PM and PM_{10} stack testing on the baghouse exhaust from the fiberglass trimming and cutting operations as follows:

(a) Stack test the baghouse (BH1) exhaust from the fiberglass trimming and cutting operations when operating FTO1 and FTO2 at maximum capacity. Testing shall be performed within one hundred eighty (180) days of facility startup. Testing shall be conducted in accordance with Section C - Performance Testing. This test shall be repeated at least once every five (5) years in the same calendar quarter as the most recent valid compliance demonstration.

D.2.5 Particulate Matter Control

In order to comply with Conditions D.2.1 and D.2.2, the flexible dust collection system and the central baghouse for PM and PM_{10} control shall be in operation and control emissions from the fiberglass cutting and trimming operations identified as FTO1 and FTO2, at all times that these facilities are in operation.

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

D.2.6 Visible Emissions Notations

(a) Visible emission notations of the baghouse stack (BH1) exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup]or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response. Section C – Response to Excursions or Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition. Failure to take response steps, shall be considered a deviation from this permit.

D.2.7 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the

event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces, or triboflows.

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

D.2.8 Record Keeping Requirements

(a) To document the compliance status with Condition D.2.6, the Permittee shall maintain records of daily visible emission notations of the baghouse exhausts when venting to the atmosphere.

(b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

SECTION E.1 FACILITY OPERATION CONDITIONS

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

(a) One (1) Fiberglass Flat Panel Pultrusion Line, identified as P1, constructed in 2010, comprised of the following facilities:

(1) One (1) resin impregnation area with maximum resin formulation usage of 0.4 pounds per square foot and a maximum production rate of 20 pounds of resin per minute, exhausting through stack S1. Under 40 CFR 63, Subpart WWWW, this facility is considered part of a new affected reinforced plastic composites production operation;

(2) One (1) heated die station, up to four (4) infrared heating lamp banks, up to four (4) reciprocating or stationary UV lamps, and one (1) heat bar used for bonding and curing various processes throughout the line. Under 40 CFR 63, Subpart WWWW, this facility is considered part of a new affected reinforced plastic composites production operation;

(3) Two (2) enclosed surface coating application booths, identified as SB1 and SB2, for primer coat and finish coat spraying operations, with each booth using three (3) low pressure guns, UV curable coatings with a 100% solids content, equipped with dry filters for PM control, and exhausting to atmosphere through two (2) exhaust stacks per booth, identified as S3-S6.

(b) One (1) Fiberglass Flat Panel Line, identified as P2, constructed in 2010, comprised of the following facilities:

(1) One (1) resin impregnation area with maximum resin formulation usage of 0.4 pounds per square foot and a maximum production rate of 20 pounds of resin per minute, utilizing no VOC emission controls, exhausting through stack S2. Under 40 CFR 63, Subpart WWWW, this facility is considered part of a new affected reinforced plastic composites production operation;

(2) One (1) heated die station, up to four (4) infrared heating lamp banks, up to four (4) reciprocating or stationary UV lamps, and one (1) heat bar used for bonding and curing various processes throughout the line. Under 40 CFR 63, Subpart WWWW, this facility is considered part of a new affected reinforced plastic composites production operation;

(3) Two (2) enclosed surface coating application booths, identified as SB3 and SB4, for primer coat and finish coat spraying operations, with each booth using three (3) low pressure guns, UV curable coatings with a 100% solids content, equipped with dry filters for PM control, and exhausting to atmosphere through two (2) exhaust stacks per booth, identified as S7-S10;

Insignificant Activities

(c) Activities with emissions equal to or less than the following thresholds: 5 lb/hr or 25 lb/day PM and PM10; 5 lb/hr or 25 lb/day SO_2; 5 lb/hr or 25 lb/day NOx; 3 lb/hr or 15 lb/day VOC; 0.6 tons per year Pb; 1.0 ton/yr of a single HAP, or 2.5 ton/yr of any combination of HAPs:

(1) One (1) enclosed mixing room for resin, additive, filler, and catalyst formulation, utilizing no control devices for particulates and no exhaust outside of the room.

Under 40 CFR 63, Subpart WWWW, this is considered part of a new reinforced plastic composites production operation;

(2) Cleaning activities with acetone and/or MEK solvent in minor quantities. Under 40 CFR 63, Subpart WWWW, this is considered part of a new reinforced plastic composites production operation;

(3) Die repair and maintenance operations. Under 40 CFR 63, Subpart WWWW, this is considered part of a new reinforced plastic composites production operation;

(d) One (1) enclosed chemical storage room for 330-gallon resin tote tanks, 55-gallon drums and smaller containers (5-gallon pails) of resin additives, fillers, catalysts, surface coatings, and any other flammable liquids stored in small quantities (acetone). Less than 90-day storage of hazardous wastes containing VOCs and HAPs in closed containers may also be stored in this area. Under 40 CFR 63, Subpart WWWW, this is considered part of a new reinforced plastic composites production operation;

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

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements: Reinforced Plastics Composites Production [326 IAC 2-7-5(1)]

E.1.1 General Provisions Relating to National Emissions Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.5925, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1, for all activities associated with the production of reinforced plastic composites as specified in Table 15 of 40 CFR Part 63, Subpart WWWW, in accordance with schedule in 40 CFR Part 63, Subpart WWWW.

E.1.2 National Emissions Standards for Hazardous Air Pollutants for Reinforced Plastic Composites Production: Requirements [40 CFR Part 63, Subpart WWWW]

Pursuant to 40 CFR Part 63, Subpart WWWW, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart WWWW, as follows: A copy of the entire rule is included as Attachment A.

(1) 40 CFR 63.5780
(2) 40 CFR 63.5785(a)
(3) 40 CFR 63.5790
(4) 40 CFR 63.5795(a)
(5) 40 CFR 63.5796
(6) 40 CFR 63.5797
(7) 40 CFR 63.5798
(8) 40 CFR 63.5799(a)
(9) 40 CFR 63.5800
(10) 40 CFR 63.5805(b)(d)(2)(i-iii)
(11) 40 CFR 63.5830
(12) 40 CFR 63.5860(a)
(13) 40 CFR 63.5900(a)(2), (3) and (4), (b) and (c)
(14) 40 CFR 63.5905
(15) 40 CFR 63.5910(a), (b), (c), (d), (g), (h) and (i)
(16) 40 CFR 63.5915(a), (c) and (d)
(17) 40 CFR 63.5920

(18) 40 CFR 63.5925
(19) 40 CFR 63.5930
(20) 40 CFR 63.5935
(21) Table 1 (the applicable portions)
(22) Table 3 (the applicable portions)
(23) Table 4 (the applicable portions)
(24) Table 7 (the applicable portions)
(25) Table 8 (the applicable portions)
(26) Table 9 (the applicable portions)
(27) Table 13 (the applicable portions)
(28) Table 14 (the applicable portions)
(29) Table 15

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

Source Name: Vixen Composites, LLC
Mailing Address: 52878 Airport Pkwy, Elkhart, IN 46514
Part 70 Permit No.: T039-29094-00702

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

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)

☐ Report (specify)

☐ Notification (specify)

☐ Affidavit (specify)

☐ Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
Signature:
Printed Name:
Title/Position:
Phone:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: (317) 233-0178
Fax: (317) 233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Vixen Composites, LLC
Source Address: 2965 LaVanture Place, Elkhart, Indiana 46514
Part 70 Permit No.: T039-29094-00702

This form consists of 2 pages **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12) • The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and • The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

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

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

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

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

Source Name: Vixen Composites, LLC
Source Address: 2965 LaVanture Place, Elkhart, Indiana 46514
Part 70 Permit No.: T039-29094-00702

Months: _____ to _____ Year: _____

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

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

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

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

Vixen Composites, LLC
2965 LaVanture Place
Elkhart, Indiana 46514

Affidavit of Construction

I, _____, being duly sworn upon my oath, depose and say:
(Name of the Authorized Representative)

1. I live in _____ County, Indiana and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.

2. I hold the position of _____ for _____.
(Title) (Company Name)

3. By virtue of my position with _____, I have personal
(Company Name)
knowledge of the representations contained in this affidavit and am authorized to make these representations on behalf of _____.
(Company Name)

4. I hereby certify that Vixen Composites, LLC 2965 LaVanture Place, Elkhart, Indiana 46514, completed construction of the a fiber reinforced panel manufacturing plant on in conformity with the requirements and intent of the construction permit application received by the Office of Air Quality on March 18, 2010 and as permitted pursuant to New Source Construction Permit and Part 70 Operating Permit No. T039-29094-00702, Plant ID No. 039-00702 issued on _____.

5. **Permittee, please cross out the following statement if it does not apply:** Additional (operations/facilities) were constructed/substituted as described in the attachment to this document and were not made in accordance with the construction permit.

Further Affiant said not.

I affirm under penalties of perjury that the representations contained in this affidavit are true, to the best of my information and belief.

Signature_____
Date_____

STATE OF INDIANA, COUNTY OF Elkhart

Subscribed and sworn to me, a notary public in and for _____ County and State of Indiana on this _____ day of _____, 20 _____. My Commission expires: _____.

Signature_____Name_____ (typed or printed)

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Part 70 Administrative Amendment

Source Description and Location

Source Name:	**Vixen Composites, LLC**
Source Location:	**2965 LaVanture Place, Elkhart, Indiana 46514**
County:	**Elkhart**
SIC Code:	**3089 (Plastics Products, Not Elsewhere Classified)**
Operating Permit No.:	**T039-29094-00702**
Operation Permit Issuance Date:	**August 19, 2010**
Administrative Amendment No.:	**039-34482-00702**
Permit Reviewer:	**Renee Traivaranon**

Existing Approvals

The source was issued Part 70 Operating Permit No. T039-29094-00702 on August 19, 2010. The source has since received an Administrative Amendment No. T039-30533-00702**,** issued on June 14, 2011.

County Attainment Status

The source is located in Elkhart County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard.[1]
$PM_{2.5}$	Unclassifiable or attainment effective April 5, 2005, for the annual $PM_{2.5}$ standard.
$PM_{2.5}$	Unclassifiable or attainment effective December 13, 2009, for the 24-hour $PM_{2.5}$ standard.
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.
[1]Attainment effective October 18, 2000, for the 1-hour ozone standard for the South Bend-Elkhart area, including Elkhart County, and is a maintenance area for the 1-hour National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X*. The 1-hour standard was revoked effective June 15, 2005.	

(a) Ozone Standards

Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Elkhart County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) $PM_{2.5}$
Elkhart County has been classified as attainment for $PM_{2.5}$. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for $PM_{2.5}$ emissions. These rules became effective on July 15, 2008. On May 4, 2011, the air pollution control board issued an emergency rule establishing the direct $PM_{2.5}$ significant level at ten (10) tons per year. This rule became effective June 28, 2011. Therefore, direct $PM_{2.5}$, SO_2, and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(c) Other Criteria Pollutants
Elkhart County has been classified as attainment or unclassifiable in Indiana for all other pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

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

Source Status

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

Pollutant	**Emissions** (ton/yr)
PM	< 100
PM_{10}	< 100
$PM_{2.5}$	< 100
SO_2	< 100
NO_X	< 100
VOC	< 250
CO	< 100
GHGs as CO_2e	901.94
Single HAP	>10
Total HAPs	>25

(a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no regulated pollutant, excluding GHGs, is emitted at a rate of two hundred fifty (250) tons per year or more, emissions of GHGs are less than one hundred thousand (100,000) tons of CO_2 equivalent emissions (CO_2e) per year, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).

(b) This existing source is a major source of HAPs, as defined in 40 CFR 63.2, because HAP emissions are greater than ten (10) tons per year for a single HAP and greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed an application, submitted by Vixen Composites, LLC on April 28, 2014, to revise the throughput rate of fiberglass panel cutting and trimming operation by reflecting the total throughput rate of 1440 pounds per hour of the panels during the stack testing. This is a change from 100 pounds per hour.

The following is a list of the modified description emission unit and pollution control devices:

(1) One (1) fiberglass panel cutting and trimming operation, identified as FTO1, equipped with five (5) saws for cut-off and trimming, **with a total maximum throughput rate of 1440 pounds of panels per hour**, equipped with a flexible dust collection system vented to a central baghouse for particulate control with the exhaust vented back into the building through stack BH1; and

(2) One (1) fiberglass panel cutting and trimming operation, identified as FTO2, equipped with a total of five (5) saws for cut-off and trimming, **with a total maximum throughput rate of 1440 pounds of panels per hour**, equipped with a flexible dust collection system vented to a central baghouse for particulate control with the exhaust vented back into the building through stack BH1.

Note: The total throughput rate was not included in the existing description, but it was listed in the Condition D.2.2 as 100 pounds per hour.

Enforcement Issues

There are no pending enforcement actions related to this application.

Emission Calculations

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

Permit Level Determination – Part 70

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

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

Increase in PTE Before Controls of the Modification	
Pollutant	**Potential To Emit** (ton/yr)
PM	-
PM_{10}	-
$PM_{2.5}$	-
SO_2	-
NO_X	-
VOC	-
CO	-
Single HAPs	-
Total HAPs	-

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

This modification is not subject to the source modification requirements under 326 IAC 2-7-10.5(2) because no PTE of any criteria pollutants are increased as a result of this revision, since the baghouse specification was used to calculate the emissions.

The changes will be incorporated into the permit as an Administrative Amendment under 326 IAC 2-7-11(a)(7), because the permit is amended to change the descriptive information and this revision will not trigger a new applicable requirement or violate the permit term.

PTE of the Entire Source After Issuance of the Revision

There are no changes to the PTE of the Entire Source After Issuance of the Revision, except the PTE of Greenhouse Gas Calculations (CO2e) emissions for the existing natural gas combustion for the source of 902 tons/year were calculated and added to the source. There are no additional requirements for this emission.

Federal Rule Applicability Determination

There are no changes of federal rules due to this modification.

State Rule Applicability Determination

The following state rules are applicable to the source due to the modification:

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the fiberglass cutting and trimming operations, identified as FTO1 and FTO2, shall not exceed 3.29 pounds per hour when operating at a process weight rate of 1,440 pounds per hour. The pound per hour limitation was calculated with 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:

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

The flexible dust collection system and the central baghouse shall be in operation at all times the fiberglass cutting and trimming operations identified as FTO1 and FTO2 are in operation, in order to comply with this limit.

Compliance Determination and Monitoring Requirements

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

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

There are no changes to the compliance determination and monitoring requirements due to due to this revision.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T039-29094-00702.

(a) The description of the fiberglass panel cutting and trimming operations, FTO1 and FTO2, has been revised to add the total maximum throughput rate in Section A.2 and Section D.2.

(b) The process weight rate and the particulate emission limitation have been revised in Condition D.2.2.

(c) IDEM has decided to make additional changes as follows:

(1) The description of the SIC Code was added to the permit;

(2) "Approved for construction in 2010" of the Fiberglass Flat Panel Pultrusion Line, P1 and P2, each has been changed to "constructed in 2010" in Section A.2, Section D.1, Section D.2, and Section E.1.

The permit has been revised as follows with deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

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

….

Source Address:	2965 LaVanture Place, Elkhart, Indiana 46514
General Source Phone Number:	(574) 264-2699
SIC Code:	3089 **(Plastics Products, Not Elsewhere Classified)**

……

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

….

(a) One (1) Fiberglass Flat Panel Pultrusion Line, identified as P1, ~~approved for~~ construct~~ion~~**ed** in 2010, comprised of the following facilities:
……

(5) One (1) fiberglass panel cutting and trimming operation, identified as FTO1, equipped with five (5) saws for cut-off and trimming, **with a total maximum throughput rate of 1440 pounds of panels per hour,** equipped with a flexible dust collection system vented to a central baghouse for particulate control with the exhaust vented back into the building through stack BH1; and

……

(b) One (1) Fiberglass Flat Panel Line, identified as P2, ~~approved for~~ construct~~ion~~**ed** in ~~2010~~**2010**, comprised of the following facilities:
……

(5) One (1) fiberglass panel cutting and trimming operation, identified as FTO2, equipped with a total of five (5) saws for cut-off and trimming, **with a total maximum throughput rate of 1440 pounds of panels per hour,** equipped with a flexible dust collection system vented to a central baghouse for particulate control with the exhaust vented back into the building through stack BH1; and

….

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) Fiberglass Flat Panel Pultrusion Line, identified as P1, ~~approved for~~ construct~~ion~~ed in 2010, comprised of the following facilities:
……

(b) One (1) Fiberglass Flat Panel Line, identified as P2, ~~approved for~~ construct~~ion~~ed in 2010, comprised of the following facilities:
…….

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

…..

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Fiberglass Cutting and Trimming

(a) One (1) Fiberglass Flat Panel Pultrusion Line, identified as P1, ~~approved for~~ construct~~ion~~**ed** in 2010, comprised of the following facilities:

(1) One (1) fiberglass panel cutting and trimming operation, identified as FTO1, equipped with five (5) saws for cut-off and trimming, **with a total maximum throughput rate of 1440 pounds of panels per hour,** equipped with a flexible dust collection system vented to a central baghouse for particulate control with the exhaust vented back into the building through stack BH1; and

(b) One (1) Fiberglass Flat Panel Line, identified as P2, ~~approved for~~ construct~~ion~~**ed** in 2010, comprised of the following facilities:

(1) One (1) fiberglass panel cutting and trimming operation, identified as FTO2, equipped with a total of five (5) saws for cut-off and trimming, **with a total maximum throughput rate of 1440 pounds of panels per hour,** equipped with a flexible dust collection system vented to a central baghouse for particulate control with the exhaust vented back into the building through stack BH1; and

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

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

D.2.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

~~Pursuant to 326 IAC 6-3-2, at a process weight of 100 pounds per hour, the PM/PM_{10} emissions from the fiberglass cutting and trimming operations shall be limited to 0.588 pounds per hour.~~

(a) Pursuant to 326 IAC 6-3-2, the particulate emissions from the fiberglass cutting and trimming operation~~s~~, identified as FTO1 ~~and FTO2~~, shall be limited to ~~0.588~~ **3.29** pounds per hour when operating at a process weight rate of ~~100~~ **1,440** pounds per hour**.**~~, based on the following equation:~~

(b) Pursuant to 326 IAC 6-3-2, the particulate emissions from the fiberglass cutting and trimming operation, identified as FTO2, shall not exceed 3.29 pounds per hour when operating at a process weight rate of 1,440 pounds per hour.

(c) These are based on 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:

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

……

SECTION E.1 FACILITY OPERATION CONDITIONS

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

(a) One (1) Fiberglass Flat Panel Pultrusion Line, identified as P1, ~~approved for~~ construct~~ion~~**ed** in 2010, comprised of the following facilities:
……

(b) One (1) Fiberglass Flat Panel Line, identified as P2, ~~approved for~~ construct~~ion~~**ed** in 2010, comprised of the following facilities:
……

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

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached Part 70 Administrative Amendment No. 039-34482-00702. The staff recommend to the Commissioner that this Part 70 subject to the conditions of the attached Part 70 Administrative Amendment No. 039-34482-00702 be approved.

IDEM Contact

(a) Questions regarding this proposed permit can be directed to Ms. Renee Traivaranon at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) (324-5615) or toll free at 1-800-451-6027 extension 4-5615.

(b) A copy of the findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

Appendix A: Emissions Calculations
Emissions Summary

Company Name: Vixen Composites, LLC
Address City IN Zip: 2965 LaVanture Place, Elkhart, IN 46514
Operation Permit No.: T039-29094-00702
Administrative Amendment No.: T039-34482-00702
Reviewer: Renee Traivaranon
Date: May 12, 2014

Uncontrolled **CRITERIA POLLUTANTS**

Emission Units	PM	PM10	PM2.5	SO2	NOx	VOC	CO	Co2e	Highest Single HAP	Combined HAP
Resin Impregnation - Pultrusion Line 1	------	------	------	------	------	112.40	------	------	Styrene 107	112.40
Resin Impregnation - Pultrusion Line 2	------	------	------	------	------	112.40	------	------	Styrene 107	112.40
Spray Booth 1 - Pultrusion Line 1	58.85	58.85	58.85	------	------	------	------	------	------	------
Spray Booth 2 - Pultrusion Line 1	58.85	58.85	58.85	------	------	------	------	------	------	------
Spray Booth 3 - Pultrusion Line 2	58.85	58.85	58.85	------	------	------	------	------	------	------
Spray Booth 4 - Pultrusion Line 2	58.85	58.85	58.85	------	------	------	------	------	------	------
Fiberglass cutting and trimming	202.73	202.73	202.73	------	------	------	------	------	------	------
Natural Gas Combustion	0.01	0.06	0.06	0.00	0.75	0.04	0.63	901.94	Hexane 0.01	0.01
TOTALS	**438.14**	**438.18**	**438.18**	**0.00**	**0.75**	**224.84**	**0.63**	**901.94**	**Styrene 214**	**224.81**

Controlled **CRITERIA POLLUTANTS**

Emission Units	PM	PM10	PM2.5	SO2	NOx	VOC	CO	Co2e	Highest Single HAP	Combined HAP
Resin Impregnation - Pultrusion Line 1	------	------	------	------	------	112.40	------	------	Styrene 107	112.40
Resin Impregnation - Pultrusion Line 2	------	------	------	------	------	112.40	------	------	Styrene 107	112.40
Spray Booth 1 - Pultrusion Line 1	1.77	1.77	1.77	------	------	------	------	------	------	------
Spray Booth 2 - Pultrusion Line 1	1.77	1.77	1.77	------	------	------	------	------	------	------
Spray Booth 3 - Pultrusion Line 2	1.77	1.77	1.77	------	------	------	------	------	------	------
Spray Booth 4 - Pultrusion Line 2	1.77	1.77	1.77	------	------	------	------	------	------	------
Fiberglass cutting and trimming	2.03	2.03	2.03	------	------	------	------	------	------	------
Natural Gas Combustion	0.01	0.06	0.06	0.00	0.75	0.04	0.63	901.94	Hexane 0.01	0.01
TOTALS	**9.10**	**9.15**	**9.15**	**0.00**	**0.75**	**224.84**	**0.63**	**901.94**	**Styrene 214**	**224.81**

Appendix A: Emissions Calculations
VOC/HAP Emissions from Pultrusion Lines 1 & 2

Company Name: Vixen Composites, LLC
Address City IN Zip: 2965 LaVanture Place, Elkhart, IN 46514
Operation Permit No.: T039-29094-00702
Administrative Amendment No.: T039-34482-00702
Reviewer: Renee Traivaranon
Date: May 12, 2014

Emission Unit ID	Amount of Resin Used (lb/hr)	Weight % Vinyl Acetate as Applied	Weight % MIBK as Applied	Weight % MMA as Applied	Weight % Styrene as Applied	Emission Factor (weight % of starting VHAP / monomer emitted)	Pounds VOC/HAP per hour	Pounds VOC/HAP per day	Tons of VOC/HAP per Year
Pultrusion Line 1	1500	0.20%	0.05%	0.79%	23.40%	7%	25.662	615.888	112.400
Pultrusion Line 2	1500	0.20%	0.05%	0.79%	23.40%	7%	25.662	615.888	112.400
								Total	**224.799**

Non-Open Molding Operations include the following: continuous lamination, pultrusion, marble casting, and closed molding.

METHODOLOGY

Potential VOC/HAP Pounds per Hour = sum of Resin usage (lb/hr)*Weight % of Monomer*Emission factor (weight % of starting monomer emitted)
Potential VOC/HAP Pounds per Day = Potential VOC Pounds per Hour * (24 hrs / 1 day)
Potential VOC/HAP Tons per Year = Potential VOC Pounds per Hour * (8760 hr/yr) * (1 ton / 2000 lbs)

Emission Factors for Continuous Lamination and Pultrusion are 7% for NVS and 5% for VS.
Emission Factors for Marble Casting and Closed Molding are 3% for NVS and 2% for VS.

NVS = nonvapor-suppressed
VS = vapor-suppressed

Appendix A: Emissions Calculations
Particulate Emissions
From Surface Coating Operations - Spray Booth 1

Company Name: Vixen Composites, LLC
Address City IN Zip: 2965 LaVanture Place, Elkhart, IN 46514
Operation Permit No.: T039-29094-00702
Administrative Amendment No.: T039-34482-00702
Reviewer: Renee Traivaranon
Date: May 12, 2014

Booth / Material	Density (Lb/Gal)	Weight % Volatile (H20 & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Particulate Potential before control (ton/yr)	Transfer Efficiency	Control efficiency	Particulate Potential after control (ton/yr)
Booth 1 - prime coat	8.98	0.00%	0.00%	0.00%	0.00%	100.00%	0.00125	3,000.00	58.85	60%	97%	1.77
Booth 2 - top coat	8.98	0.00%	0.00%	0.00%	0.00%	100.00%	0.00125	3,000.00	58.85	60%	97%	1.77
Booth 3 - prime coat	8.98	0.00%	0.00%	0.00%	0.00%	100.00%	0.00125	3,000.00	58.85	60%	97%	1.77
Booth 4 - top coat	8.98	0.00%	0.00%	0.00%	0.00%	100.00%	0.00125	3,000.00	58.85	60%	97%	1.77
Potential Emissions								**TOTAL**	**235.39**			**7.06**

METHODOLOGY

Particulate Potential (before controls) Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer efficiency) *(8760 hrs/yr) *(1 ton/2000 lbs)
Particulate Potential (after controls) Tons per Year = particulate potential (before controls) * (1-control efficiency)

NOTES

"Gal of Mat" units are gal/ft^2
"Maximum" units are ft^2/hr

Emission Calculations
Particulate Matter - Fiberglass Cutting and Trimming

Company Name: Vixen Composites, LLC
Address City IN Zip: 2965 LaVanture Place, Elkhart, IN 46514
Operation Permit No.: T039-29094-00702
Administrative Amendment No.: T039-34482-00702
Reviewer: Renee Traivaranon
Date: May 12, 2014

Unit ID/Control Device	Maximum Process Throughput Rate Each line (lb/hr)	326 IAC 6-3-2 Allowable Emission Rate Each line (lb/hr)	Control Efficiency (%)	Grain Loading per Actual Cubic foot of Outlet Air (grains/cub. ft.)	Gas or Air Flow Rate (acfm.)	PM Emission Rate before Controls (lb/hr)	PM Emission Rate before Controls (tons/yr)	PM Emission Rate after Controls (lb/hr)	PM Emission Rate after Controls (tons/yr)
Fiberglass panel cutting and trimming vented to baghouse - Pultrusion Lines 1 & 2 combined	1,440	3.290	99.00%	0.003	18,000	46.29	202.73	0.463	2.027
Total PTE						46.29	**202.73**	0.463	**2.03**

Assumption PM=PM10=PM2.5
Methodology
326 IAC 6-3-2 Allowable Emission Rate for Processes <30 tons/hr = 4.1 x Process Weight (tons/hr) ^ 0.67
Emission Rate in lbs/hr (after controls) = (grains/cub. ft.) (cub. ft./min.) (60 min/hr) (lb/7000 grains)
Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)

Emission Rate in lbs/hr (before controls) = After Control Emission Rate (lbs/hr)/(1-control efficiency)
Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)

One (1) fiberglass panel cutting and trimming operation ***for each pultrusion line*** , each line equipped with a total of five (5) saws for cut-off and trimming, equipped with a flexible dust collection system vented to a central baghouse ***controlling both lines*** for particulate control with the exhaust vented back into the building.

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

Company Name: Vixen Composites, LLC
Address City IN Zip: 2965 LaVanture Place, Elkhart, IN 46514
SIC Code: 3089
Operation Permit No.: T039-29094-00702
Administrative Amendment No.: T039-34482-00702
Reviewer: Renee Traivaranon
Date: May 12, 2014

Heat Input Capacity MMBtu/hr	HHV mmBtu / mmscf	Potential Throughput MMCF/yr
1.74	1020	14.9

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.01	0.06	0.06	0.00	0.75	0.04	0.63

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
PM2.5 emission factor is filterable and condensable PM2.5 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
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
Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

HAPS Calculations

	HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	**Total - Organics**
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	1.569E-05	8.966E-06	5.604E-04	1.345E-02	2.540E-05	**1.406E-02**

	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	**Total - Metals**
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	3.736E-06	8.219E-06	1.046E-05	2.839E-06	1.569E-05	**4.095E-05**
					Total HAPs	**1.410E-02**
					Worst HAP	**1.345E-02**

Methodology is the same as above.

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

Greenhouse Gas Calculations

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120,000	2.3	2.2
Potential Emission in tons/yr	897	0.0	0.0
Summed Potential Emissions in tons/yr	897		
CO2e Total in tons/yr	902		

Methodology
The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (25) + N2O Potential Emission ton/yr x N2O GWP (298).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

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

TO: Gordon Frost
Vixen Composites, LLC
2965 LaVanture Place
Elkhart, IN 46514

DATE: June 12, 2014

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

SUBJECT: Final Decision
Title V Administrative Amendment
039-34482-00702

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

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

A copy of the final decision and supporting materials has also been sent via standard mail to:
Joseph VanCamp, Cornerstone Environmental Health & Safety Inc.
OAQ Permits Branch Interested Parties List

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

Final Applicant Cover letter.dot 6/13/2013

Mail Code 61-53

IDEM Staff	VHAUN 6/12/2014 Vixen Composites, LLC 039-34482-00702 FINAL			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee Remarks
1		Gordon Frost Vixen Composites, LLC 2965 LaVanture Place Elkhart IN 46514 (Source CAATS) CONFIRMED DELIVERY									
2		Elkhart City Council and Mayors Office 229 South Second Street Elkhart IN 46516 *(Local Official)*									
3		Elkhart County Health Department 608 Oakland Avenue Elkhart IN 46516 *(Health Department)*									
4		Elkhart County Board of Commissioners 117 North Second St. Goshen IN 46526 *(Local Official)*									
5		Joseph VanCamp Cornerstone Environmental Health & Safety Inc. 312 E. Diamond Street Kendalville IN 46755 *(Consultant)*									
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