



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: December 31, 2012

RE: Hensley Composites, LLC / 039-32477-00734

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

Notice of Decision: Approval - Registration

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 4-21.5-3-4(d) this order is effective when it is served. When served by U.S. mail, the order is effective three (3) calendar days from the mailing of this notice pursuant to IC 4-21.5-3-2(e).

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 of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FN-REGIS.dot 1/2/08



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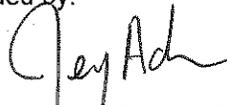
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REGISTRATION OFFICE OF AIR QUALITY

Hensley Composites LLC
1201A D I Drive
Elkhart, Indiana 46514

Pursuant to 326 IAC 2-5.1 (Construction of New Sources: Registrations) and 326 IAC 2-5.5 (Registrations), (herein known as the Registrant) is hereby authorized to construct and operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this registration.

Registration No. 039-32477-00734	
Issued by:  Jenny Acker, Section Chief Permits Branch Office of Air Quality	Issuance Date: December 31, 2012

SECTION A

SOURCE SUMMARY

This registration 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 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Registrant 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 Registrant to obtain additional permits pursuant to 326 IAC 2.

A.1 General Information

The Registrant owns and operates a stationary Reinforced Plastic Composite Production Plant.

Source Address:	1201A D I Drive, Elkhart, Indiana 46514
General Source Phone Number:	(574) 202-3840
SIC Code:	3799
County Location:	Elkhart County
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Registration

A.2 Emission Units and Pollution Control Equipment Summary

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

- (a) One (1) brush or roll Mold Release Application, identified as MR1, approved in 2012 for construction, with a maximum capacity of 1.50 units per hour, and exhausting indoors.
- (b) One (1) HVLP Gelcoat Application Booth, identified as GB1, approved in 2012 for construction, with a maximum capacity of 1.50 units per hour, using dry fabric, low temperature filters identified as DF1 as control, and exhausting to stack GB1S.
- (c) One (1) Chop Application Area using fluid impingement technology (FIT), identified as CA1, approved in 2012 for construction, with a maximum capacity of 1.50 units per hour, and exhausting to stack CA1S.
- (d) One (1) Assembly Area, identified as AA1, approved in 2012 for construction, with a maximum capacity of 1.50 units per hour, and exhausting indoors.
- (e) One (1) Grinding Operation, identified as GO1, approved in 2012 for construction, with a maximum capacity of 1.50 units per hour, and exhausting indoors.
- (f) One (1) Office Space Heater, identified as H1, constructed in 1995 and permitted in 2012, with a maximum capacity of 0.10 MMBtu per hour, and exhausting to stack H1S.
- (g) Four (4) Radiant Space Heaters, identified as H2, H3, H4 and H5, constructed in 1995 and permitted in 2012, with a maximum capacity of 0.15 MMBtu per hour each, and exhausting to stacks H2S, H3S, H4S and H5S.

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

Terms in this registration 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 2-1.1-1) shall prevail.

B.2 Effective Date of Registration [IC 13-15-5-3]

Pursuant to IC 13-15-5-3, this registration is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

B.3 Registration Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation), this registration to operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this registration.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this registration.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this registration shall not require revocation of this registration.
- (d) For any cause which establishes in the judgment of IDEM the fact that continuance of this registration is not consistent with purposes of this article.

B.4 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to Registration No. 039-32477-00734 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this registration.

B.5 Annual Notification [326 IAC 2-5.1-2(f)(3)] [326 IAC 2-5.5-4(a)(3)]

Pursuant to 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3):

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this registration.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

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

- (c) The notification 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.

B.6 Source Modification Requirement [326 IAC 2-5.5-6(a)]

Pursuant to 326 IAC 2-5.5-6(a), an application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

B.7 Registrations [326 IAC 2-5.1-2(i)]

Pursuant to 326 IAC 2-5.1-2(i), this registration does not limit the source's potential to emit.

B.8 Preventive Maintenance Plan [326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this registration, the Registrant shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this registration 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 Registrant's control, the PMPs cannot be prepared and maintained within the above time frame, the Registrant may extend the date an additional ninety (90) days provided the Registrant 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 Registrant 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 Registrant to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.
- (c) To the extent the Registrant is required by 40 CFR Part 60 or 40 CFR Part 63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such OMM Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-5.1-2(g)] [326 IAC 2-5.5-4(b)]

C.1 Opacity [326 IAC 5-1]

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

- (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.2 Fugitive Dust Emissions [326 IAC 6-4]

The Registrant 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).

SECTION D.1

OPERATION CONDITIONS

Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

- (a) One (1) brush or roll Mold Release Application, identified as MR1, approved in 2012 for construction, with a maximum capacity of 1.50 units per hour, and exhausting indoors.
- (b) One (1) HVLP Gelcoat Application Booth, identified as GB1, approved in 2012 for construction, with a maximum capacity of 1.50 units per hour, using dry fabric, low temperature filters identified as DF1 as control, and exhausting to stack GB1S.
- (c) One (1) Chop Application Area, using fluid impingement technology (FIT), identified as CA1, approved in 2012 for construction, with a maximum capacity of 1.50 units per hour, and exhausting to stack CA1S.
- (d) One (1) Assembly Area, identified as AA1, approved in 2012 for construction, with a maximum capacity of 1.50 units per hour, and exhausting indoors.
- (e) One (1) Grinding Operation, identified as GO1, approved in 2012 for construction, with a maximum capacity of 1.50 units per hour, and exhausting indoors.

(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 2-5.1-2(f)(1)] [326 IAC 2-5.5-4(a)(1)]

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

- (a) Particulate from the Gelcoat Application Booth (GB1) shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.
- (b) If overspray is visibly detected at the exhaust or accumulates on the ground, the Permittee shall inspect the control device and do either of the following no later than four (4) hours after such observation:
 - (1) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
 - (2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
- (c) If overspray is visibly detected, the Permittee shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

D.1.2 Preventive Maintenance Plan [326 IAC 1-6-3]

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

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

**REGISTRATION
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3).

Company Name:	Hensley Composites LLC
Address:	1201A D I Drive, Elkhart, IN 46514
City:	Elkhart, Indiana, 46514
Phone Number:	source general phone
Registration No.:	039-32477-00734

I hereby certify that Hensley Composites LLC is :

- still in operation.
- no longer in operation.
- in compliance with the requirements of Registration No. 039-32477-00734.
- not in compliance with the requirements of Registration No. 039-32477-00734.

I hereby certify that Hensley Composites LLC is :

Authorized Individual (typed):
Title:
Signature:
Phone Number:
Date:

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

Noncompliance:

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

Technical Support Document (TSD) for a Registration

Source Description and Location
--

Source Name:	Hensley Composites LLC
Source Location:	1201A D I Drive, Elkhart, Indiana 46514
County:	Elkhart
SIC Code:	3799
Registration (or Exemption) No.:	039-32477-00734
Permit Reviewer:	Ryan Klug, P.E.

On November 1, 2012 the Office of Air Quality (OAQ) received an application from Hensley Composites, LLC related to the construction and operation of a new Reinforced Plastic Composite Production Plant.

Existing Approvals

There have been no previous approvals issued to this source.

County Attainment Status

The source is located in Elkhart County.

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

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

- (b) **PM2.5**
 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}, SO₂, and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

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

Fugitive Emissions

The fugitive emissions of criteria pollutants, hazardous air pollutants, and greenhouse gases are counted toward the determination of 326 IAC 2-5.1-2 (Registrations) applicability.

Background and Description of Emission Units and Pollution Control Equipment

The Office of Air Quality (OAQ) has reviewed an application, submitted by Hensley Composites LLC on November 1, 2012, relating to a new construction of a stationary Reinforced Plastic Composite Production Plant.

The following is a list of the new emission units and pollution control devices:

- (a) One (1) brush or roll Mold Release Application, identified as MR1, approved in 2012 for construction, with a maximum capacity of 1.50 units per hour, and exhausting indoors.
- (b) One (1) HVLP Gelcoat Application Booth, identified as GB1, approved in 2012 for construction, with a maximum capacity of 1.50 units per hour, using dry fabric, low temperature filters identified as DF1 as control, and exhausting to stack GB1S.
- (c) One (1) Chop Application Area using fluid impingement technology (FIT), identified as CA1, approved in 2012 for construction, with a maximum capacity of 1.50 units per hour, and exhausting to stack CA1S.
- (d) One (1) Assembly Area, identified as AA1, approved in 2012 for construction, with a maximum capacity of 1.50 units per hour, and exhausting indoors.
- (e) One (1) Grinding Operation, identified as GO1, approved in 2012 for construction, with a maximum capacity of 1.50 units per hour, and exhausting indoors.
- (f) One (1) Office Space Heater, identified as H1, constructed in 1995 and permitted in 2012, with a maximum capacity of 0.10 MMBtu per hour, and exhausting to stack H1S.
- (g) Four (4) Radiant Space Heaters, identified as H2, H3, H4 and H5, constructed in 1995 and permitted in 2012, with a maximum capacity of 0.15 MMBtu per hour each, and exhausting to stacks H2S, H3S, H4S and H5S.

Enforcement Issues

IDEM is aware that equipment has been constructed and operated prior to receipt of the proper permit. IDEM is reviewing this matter and will take the appropriate action. This proposed approval is intended to satisfy the requirements of the construction permit rules.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – Registration

The following table reflects the unlimited potential to emit (PTE) of the entire source before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/ Emission Unit	Potential To Emit of the Entire Source (tons/year)									
	PM	PM10*	PM2.5	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e**	Total HAPs	Worst Single HAP
Mold Release Application (MR1)	--	--	--	--	--	4.05	--	--	--	--
Gelcoat Application Booth (GB1)	4.75	4.75	4.75	--	--	4.18	--	--	4.18	3.94 (Styrene)
Chop Application Area (CA1)	--	--	--	--	--	5.31	--	--	5.31	4.50 (Styrene)
Assembly Area (AA1)	--	--	--	--	--	0.05	--	--	0.05	0.04 (Styrene)
Grinding Operation (GO1)	0.71	0.71	0.71	--	--	--	--	--	--	--
Natural Gas Combustion (H1-H5)	0.01	0.02	0.02	0.00	0.31	0.02	0.26	370	0.01	0.01 (Hexane)
Total Non-Fugitives	5.47	5.48	5.48	0.00	0.31	13.59	0.26	370	9.55	8.48 (Styrene)
Unpaved Roads	0.52	0.13	0.01	--	--	--	--	--	--	--
Total Fugitives	0.52	0.13	0.01	--	--	--	--	--	--	--
Total PTE of Entire Source	5.99	5.61	5.49	0.00	0.31	13.59	0.26	370	9.55	8.48 (Styrene)
Registration Levels**	25	25	25	25	25	25	100	100,000	25	10
negl. = negligible *Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant". **The 100,000 CO ₂ e threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.										

- (a) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of PM10, PM2.5, SO₂, NO_x, VOC and CO are within the ranges listed in 326 IAC 2-5.1-2(a)(1). The PTE of all other regulated criteria pollutants are less than the ranges listed in 326 IAC 2-5.1-2(a)(1). Therefore, the source is subject to the provisions of 326 IAC 2-5.1-2 (Registrations). A Registration will be issued.
- (b) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of any single HAP is less than ten (10) tons per year and the PTE of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.
- (c) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) greenhouse gases (GHGs) is less than the Title V subject to regulation threshold of one hundred thousand (100,000) tons of CO₂

equivalent emissions (CO₂e) per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) The requirements of the New Source Performance Standard for Automobile and Light Duty Truck Surface Coating Operations, 40 CFR 60, Subpart MM (326 IAC 12), are not included in the permit, since gelcoat production of transportation components is not considered a surface coating operation.
- (b) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Surface Coating of Automobiles and Light Duty Trucks, 40 CFR 63.3081, Subpart IIII (326 IAC 20-85), are not included in the permit, since this source is not a major source of HAPs. Additionally, gelcoat production of transportation components is not considered a surface coating operation.
- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products, 40 CFR 63.4481, Subpart PPPP, are not included in the permit, since this source is not a major source of HAPs.
- (e) The requirements of the National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing, 40 CFR 63.5680, Subpart VVVV, are not included in the permit, since this source is not a major source of HAPs.
- (f) The requirements of the National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production, 40 CFR 63.5780, Subpart WWWW, are not included in the permit, since this source is not a major source of HAPs.
- (g) The requirements of the National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing, 40 CFR 63.7980, Subpart HHHHH, are not included in the permit, since this source is not a major source of HAPs.
- (h) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the permit.

Compliance Assurance Monitoring (CAM)

- (i) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the unlimited potential to emit of the source is less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

State Rule Applicability Determination

The following state rules are applicable to the source:

- (a) 326 IAC 2-5.1-2 (Registrations)
Registration applicability is discussed under the Permit Level Determination – Registration section above.

- (b) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The potential to emit of any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-4.1.
- (c) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
- (d) 326 IAC 5-1 (Opacity Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
- (1) 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.
 - (2) 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.
- (e) 326 IAC 6-3.2 (Particulate Emissions Limitations for Manufacturing Sources)
The requirements of 326 IAC 6-3.2(d) are applicable to the Gelcoat Application Booth (GB1) as follows:
- (a) Particulate from the Gelcoat Application Booth (GB1) shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.
 - (b) If overspray is visibly detected at the exhaust or accumulates on the ground, the Permittee shall inspect the control device and do either of the following no later than four (4) hours after such observation:
 - (1) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
 - (2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
 - (c) If overspray is visibly detected, the Permittee shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

The Chop Application Booth (CA1) and Grinding Operation Unit (GO1) are exempt from the requirements of 326 IAC 6-3 pursuant to 326 IAC 6-3-1(b)(14) because PM is less than 0.551 lb/hr for each unit.

The Mold Release Application Unit (MR1) and Assembly Area (AA1) are exempt from the requirements of 326 IAC 6-3 pursuant to 326 IAC 6-3-1(b)(6),(7),(8) because they use roll, flow or brush application.

- (f) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source 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.
- (g) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
The source is not subject to the requirements of 326 IAC 6-5, because the source does not have potential fugitive particulate emissions greater than 25 tons per year. Therefore, 326 IAC 6-5 does not apply.
- (h) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
Each of the emission units at this source is not subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions from each emission unit is less than twenty-five (25) tons per year.

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on *(date)*.

The construction and operation of this source shall be subject to the conditions of the attached proposed Registration No. 039-32477-00734. The staff recommends to the Commissioner that this Registration be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Ryan Klug, P.E. at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-4794 or toll free at 1-800-451-6027 extension 4-4794.
- (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.in.gov/idem

**Appendix A: Emission Calculations
Emissions Summary**

Company Name: Hensley Composites, LLC
Address City IN Zip: 1201A D I Drive, Elkhart, IN 46514
Registration No.: 039-32477-00734
Prepared by: D&B Environmental Services, Inc.
Reviewer: Ryan Klug
Date: December 21, 2012

UNCONTROLLED POTENTIAL TO EMIT (tons/yr)

Emission Units	PM	PM₁₀	PM_{2.5}	SO₂	NO_x	VOC	CO	GHGs (as CO₂e)	Total HAPs	Single HAP (Styrene)
Mold Release Application (MR1)	0.00	0.00	0.00	-	-	4.05	-	-	-	-
Gelcoat Application Booth (GB1)	4.75	4.75	4.75	-	-	4.18	-	-	4.18	3.94
Chop Application Area (CA1)	0.00	0.00	0.00	-	-	5.31	-	-	5.31	4.50
Assembly Area (AA1)	0.00	0.00	0.00	-	-	0.05	-	-	0.05	0.04
Reinforced Plastic Composites - Grinding Operations (GO1)	0.71	0.71	0.71	0.00	0.00	0.00	0.00	-	0.00	0.00
Natural Gas Combustion (H1, H2, H3, H4, H5)	0.01	0.02	0.02	0.00	0.30	0.02	0.25	363	0.01	0.00
Total Non-fugitive Emissions	5.47	5.49	5.49	0.00	0.30	13.61	0.25	363	9.55	8.47
Unpaved Roads	0.52	0.13	0.01	-	-	-	-	-	-	-
Total Fugitive Emissions	0.52	0.13	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SOURCE TOTAL	5.99	5.62	5.50	0.00	0.30	13.61	0.25	363	9.55	8.47

Note: The source is not required to take a limit, so "after permit" emissions are the same as the Potential to Emit (PTE)

**Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations - Mold Release Agent (MR1)**

**Company Name: Hensley Composites, LLC
Address City IN Zip: 1201A D I Drive, Elkhart, IN 46514
Registration No.: 039-32477-00734
Prepared by: D&B Environmental Services, Inc.
Reviewer: Ryan Klug
Date: December 21, 2012**

Material	Density (lb/gal)	Weight % Volatile (H ₂ O & Organics)**	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (Solids)	Material Usage (gal/unit)	Maximum Production (units/hr)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Potential Particulate (tons/yr)	lb VOC/gal solids	Transfer Efficiency*
Sealer GP	7.31	90.00%	0.00%	90.00%	0.00%	10.61%	0.0938	1.500	6.58	6.58	0.93	22.22	4.05	0.00	62.01	100%
Acetone (Cleaning)	6.61	100.00%	100.00%	0.00%	100.00%	0.00%	0.0469	1.500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%
PTE											0.93	22.22	4.05	0.00		

METHODOLOGY

*Transfer Efficiency = Sealer, 100% for Manual Application

Pounds of VOC per Gallon of Coating less Water (lb/gal) = Density (lb/gal) * Weight % Organics ÷ (1 - Volume % Water)

Pounds of VOC per Gallon of Coating (lb/gal) = Density (lb/gal) * Weight % Organics

Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) * Material Usage (gal/unit) * Maximum Production (units/hr)

Potential VOC Pounds per Day = Pounds of VOC per Hour (lb/hr) * 24 hr/day

Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/hr) * 8760 hr/yr ÷ 2000 lb/ton

Potential Particulate (tons/yr) = Maximum Production (units/hr) * Material Usage (gal/unit) * Density (lb/gal) * (1 - Weight % Volatiles) * (1 - Transfer Efficiency) * 8760 hr/yr ÷ 2000 lb/ton

Pounds VOC per Gallon of Solids = Density (lb/gal) * Weight % Organics ÷ Volume % Solids

Materials do not contain hazardous air pollutants (HAP)

Acetone is not a HAP or a VOC

**Appendix A: Emission Calculations
VOC and Particulate
From Resin Coating Operations
Reinforced Plastics and Composites Fiberglass Processes**

Company Name: Hensley Composites, LLC
Address City IN Zip: 1201A D I Drive, Elkhart, IN 46514
Registration No.: 039-32477-00734
Prepared by: D&B Environmental Services, Inc.
Reviewer: Ryan Klug
Date: December 21, 2012

Assembly Area - Hand Application (RPC-AA1)

Material	Density (Lb/Gal)	Weight % Monomer* or VHAP	Usage (gal/unit)	Maximum Production (unit/hour)	CFA Unified Emission Factor: Monomer* (lb/ton)	Potential VHAP (lb/hr)	Potential VHAP (lb/day)	Potential VHAP (tons/yr)	Potential Particulate (lb/hr)	Potential Particulate (tons/yr)	Transfer Efficiency**
Filler (DBF 80903)	5.17	29.00%	0.0313	1.50	73	0.01	0.21	0.04	0.00	0.00	100%
Catalyst (CAT NOROX MEKP- 9 FRED 703908)	9.17	43.00%	0.0005	1.50	n/a	0.00	0.07	0.01	0.00	0.00	100%
Potential Emissions						0.01	0.29	0.05	0.00	0.00	

*Includes styrene as VOC. Styrene/VOC emission factor computed as: (0.126 x Wt% Styrene x 2,000 (lb/ton)).
Catalyst VOC emissions as MEK content (See discussion below) as: Wt% MEK x 2,000 (lb/ton)
**Brush and Roller Application

Production Gelcoat Booth (RPC-GB1)

Material	Density (Lb/Gal)	Weight % Monomer* or VHAP	Usage (gal/unit)	Maximum Production (unit/hour)	CFA Unified Emission Factor: Monomer* (lb/ton)	Potential VHAP (lb/hr)	Potential VHAP (lb/day)	Potential VHAP (tons/yr)	Potential Particulate (lb/hr)	Potential Particulate (tons/yr)	Transfer Efficiency**
Summit Gray Gelcoat - Atomized Application	8.99	32.12%	0.4663	1.50	286	0.90	21.58	3.94	1.07	4.67	75%
Catalyst (CAT NOROX MEKP- 9 FRED 703908)	9.17	43.00%	0.0093	1.50	n/a	0.06	1.32	0.24	0.02	0.08	75%
Potential Emissions						0.95	22.90	4.18	1.09	4.75	

*Includes styrene and MMA for VOC. VOC emission factor computed as: Styrene Emission Factor (0.445 x Wt% Styrene x 2,000 (lb/ton))
Catalyst VOC emissions as MEK content (See discussion below) as: Wt% MEK x 2,000 (lb/ton)
**High Volume Low Pressure Application

Production Resin - FIT Chop Booth (RPC-CA1)

Material	Density (Lb/Gal)	Weight % Monomer* or VHAP	Usage (gal/unit)	Maximum Production (unit/hour)	CFA Unified Emission Factor: VOC (lb/ton)*	Potential VHAP (lb/hr)	Potential VHAP (lb/day)	Potential VHAP (tons/yr)	Potential Particulate (lb/hr)	Potential Particulate (tons/yr)	Transfer Efficiency**
Open Molding Non-CR/HS Resin	9.20	33.26%	2.0828	1.50	71	1.03	24.64	4.50	0.00	0.00	100%
Catalyst (CAT NOROX MEKP- 9 FRED 703908)	9.17	43.00%	0.0312	1.50	n/a	0.18	4.43	0.81	0.00	0.00	100%
Potential Emissions						1.21	29.07	5.31	0.00	0.00	

*Includes styrene as VOC. Styrene/VOC emission factor computed as: ((0.157 x Wt% Styrene) - 0.0165) x 2,000 (lb/ton).
Catalyst VOC emissions as MEK content (See discussion below) as: Wt% MEK x 2,000 (lb/ton)
**Mechanical Non-Atomized Application: Fluid Impingement Technology (FIT)

Total Potential Emissions						2.18	52.26	9.54	1.09	4.75	
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Note 1: Catalyst is applied using Brush, Roller, Mechanical Atomized Application, & Fluid Impingement Technology (FIT) non-Atomized Application.
Note 2: Based on the MSDS, all VHAP in the catalyst is dimethyl phthalate (CAS-No. 131-11-3)

NOTES

Acetone used as cleaning solvent

METHODOLOGY

Potential VOC (lb/hr) = [Density (lb/gal) * Usage (gal/unit) * Maximum Production (units/hr) ÷ 2,000 (lb/ton)] * Emission Factor: Styrene (lb/ton)
 Potential VOC (lbs/day) = Potential VOC (lb/hr) * 24 hr/day
 Potential VOC (tons/yr) = Potential VOC (lb/hr) * 8,760 hr/yr ÷ 2,000 lb/ton
 Potential Particulate (tons/yr) = Maximum Production (unit/hour) * Usage (gal/unit) * Density (lbs/gal) * (1 - Weight % VOC) * (1 - Transfer Efficiency) * 8760 hr/yr ÷ 2000 lb/ton
 Potential MMA (tons/yr) = [Density (lb/gal) * Usage (gal/unit) * Maximum Production (units/hr) ÷ 2,000 (lb/ton)] * Emission Factor: MMA (lb/ton) * 8760 hr/yr ÷ 2000 lb/ton

**Appendix A: Emissions Calculations
Reinforced Plastic Composites - Grinding Operation (RPC-GO1)**

**Company Name: Hensley Composites, LLC
Address City IN Zip: 1201A D I Drive, Elkhart, IN 46514
Registration No.: 039-32477-00734
Prepared by: D&B Environmental Services, Inc.
Reviewer: Ryan Klug
Date: December 21, 2012**

Grinding

Process/Operation	Description	ID	Material Thickness (in)	Cutting Surface Thickness (in)	Process rate (in/hr)	Material Loss (in ³ /hr)	Material Density (lb/in ³)	Potential to Emit (lb/hr)
Grinding	Hand Grinder	RPC-GO1	0.125	0.0625	375.00	2.930	0.055	0.162

Total Potential to Emit

Total Particulate Emissions (lb/hr)	0.162
Total Particulate Emissions (lb/day)	3.883
Total Particulate Emissions (tons/yr)	0.709

Allowable Emissions (326 IAC 6-3-2)

This operation can generate potential particulate emissions of 0.162 lb/hr.

Pursuant to 326 IAC 6-3-1(b)(14), this operation is exempt from 326 IAC 6-3 because it has potential emissions less than 0.551 lb/hr.

NOTES:

Material Density (lb/in³) = 0.055 pounds per cubic inch calculated from standard fiberglass composite density data

METHODOLOGY:

Material Loss for Grinding (in³/hr) = Material Thickness (in) * Cutting Surface Width (in) * Process Rate (in/hr)

Potential to Emit (lb/hr) = Material Loss (in³/hr) * Material Density (lb/in³)

Potential to Emit (lb/day) = Potential to Emit (lb/hr) * 24 hr/day

Potential to Emit (tons/yr) = Potential to Emit (lb/hr) * 8,760 hr/yr ÷ 2,000 lbs/ton

**Appendix A: Emissions Calculations
Natural Gas Combustion Only
MMBtu/hr <100**

**Company Name: Hensley Composites, LLC
Address City IN Zip: 1201A D I Drive, Elkhart, IN 46514
Registration No.: 039-32477-00734
Prepared by: D&B Environmental Services, Inc.
Reviewer: Ryan Klug
Date: December 21, 2012**

Heat Input Capacity	HHV	Potential Throughput
MMBtu/hr	mmBtu	mmscf
0.700	1020	6.0

Emission Factor (lb/MMcf)	Pollutant						
	PM*	PM ₁₀ *	PM _{2.5} *	SO ₂	NO _x	VOC	CO
	1.9	7.6	7.6	0.6	100	5.5	84
					**see below		
Potential Emissions (tons/yr)	0.01	0.02	0.02	0.00	0.30	0.02	0.25

* PM emission factor is filterable PM only. PM₁₀ and PM_{2.5} emission factors are filterable and condensable PM combined.

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

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.

Methodology

Potential Throughput (MMcf/yr) = Heat Input Capacity (MMBtu/hr) * 8,760 hrs/yr ÷ 1,000 MMBtu/MMcf

Potential Emissions (tons/yr) = Throughput (MMcf/yr) * Emission Factor (lb/MMcf) ÷ 2,000 lb/ton

See page 2 for HAPs emissions calculations.

**Appendix A: Emissions Calculations
 Natural Gas Combustion Only
 MMBtu/hr <100
 HAPs Emissions**

**Company Name: Hensley Composites, LLC
 Address City IN Zip: 1201A D I Drive, Elkhart, IN 46514
 Registration No.: 039-32477-00734
 Prepared by: D&B Environmental Services, Inc.
 Reviewer: Ryan Klug
 Date: December 21, 2012**

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	6.312E-06	3.607E-06	2.254E-04	5.411E-03	1.022E-05

HAPs - Metals					
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	1.503E-06	3.306E-06	4.208E-06	1.142E-06	6.312E-06

Methodology

Methodology is the same as page 1.

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

See Page 3 for Greenhouse Gas calculations.

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

**Company Name: Hensley Composites, LLC
Address City IN Zip: 1201A D I Drive, Elkhart, IN 46514
Registration No.: 039-32477-00734
Prepared by: D&B Environmental Services, Inc.
Reviewer: Ryan Klug
Date: December 21, 2012**

	Greenhouse Gas		
	CO ₂	CH ₄	N ₂ O
Emission Factor (lb/MMcf)	120000	2.3	2.2
Potential Emissions (tons/yr)	360.71	0.01	0.01
Summed Potential Emissions (tons/yr)	360.72		
CO ₂ e Total (tons/yr)	362.90		

The N₂O Emission Factor for uncontrolled is 2.2. The N₂O Emission Factor for low NO_x 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.
Greenhouse Warming Potentials (GWP) are from Table A-1 of 40 CFR Part 98 Subpart A.

Methodology

Potential Emissions (tons/yr) = Throughput (MMcf/yr) * Emission Factor (lb/MMcf) ÷ 2,000 lb/ton

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

**Appendix A: Emission Calculations
Fugitive Dust Emissions - Unpaved Roads**

Company Name: Hensley Composites, LLC
Address City IN Zip: 1201A D I Drive, Elkhart, IN 46514
Registration No.: 039-32477-00734
Prepared by: D&B Environmental Services, Inc.
Reviewer: Ryan Klug
Date: December 21, 2012

Unpaved Roads at Industrial Site

The following calculations determine the amount of emissions created by unpaved roads, based on 8,760 hours of use and AP-42, Ch 13.2.2 (11/2006).

Vehicle Information (provided by source)

Type	Maximum number of vehicles	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Five Axel Freight Delivery (entering plant) (one-way trip)	1.0	1.0	1.0	25.0	25.0	375	0.071	0.1	25.9
Five Axel Freight Delivery (leaving plant) (one-way trip)	1.0	1.0	1.0	25.0	25.0	375	0.071	0.1	25.9
Moving Truck Two Axel 14' Finished Goods Delivery (entering plant) (one-way trip)	1.0	5.0	5.0	1.5	7.5	375	0.071	0.4	129.6
Moving Truck Two Axel 14' Finished Goods Delivery (leaving plant) (one-way trip)	1.0	5.0	5.0	1.5	7.5	375	0.071	0.4	129.6
Totals			12.0		65.0			0.9	311.1

Average Vehicle Weight Per Trip =

5.4

 tons/trip
 Average Miles Per Trip =

0.07

 miles/trip

Unmitigated Emission Factor, $E_f = k * [(s/12)^a] * [(W/3)^b]$ (Equation 1a from AP-42 13.2.2)

	PM	PM10	PM2.5	
where k =	4.9	1.5	0.15	lb/mi = particle size multiplier (AP-42 Table 13.2.2-2 for Industrial Roads)
s =	4.8	4.8	4.8	% = mean % silt content of unpaved roads (AP-42 Table 13.2.2-1 Sand/Gravel Processing Plant)
a =	0.7	0.9	0.9	= constant (AP-42 Table 13.2.2-2 for Industrial Roads)
W =	5.4	5.4	5.4	tons = average vehicle weight (provided by source)
b =	0.45	0.45	0.45	= constant (AP-42 Table 13.2.2-2 for Industrial Roads)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E * [(365 - P)/365]$ (Equation 2 from AP-42 13.2.2)

Mitigated Emission Factor, $E_{ext} = E * [(365 - P)/365]$
 where P =

125

 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

	PM	PM10	PM2.5	
Unmitigated Emission Factor, $E_f =$	3.37	0.86	0.09	lb/mile
Mitigated Emission Factor, $E_{ext} =$	2.21	0.56	0.06	lb/mile
Dust Control Efficiency =	50%	50%	50%	(pursuant to control measures outlined in fugitive dust control plan)

Process	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)	Controlled PTE of PM2.5 (tons/yr)
Five Axel Freight Delivery (entering plant) (one-way trip)	0.04	0.01	0.00	0.03	0.01	0.00	0.01	0.00	0.00
Five Axel Freight Delivery (leaving plant) (one-way trip)	0.04	0.01	0.00	0.03	0.01	0.00	0.01	0.00	0.00
Moving Truck Two Axel 14' Finished Goods Delivery (entering plant) (one-way trip)	0.22	0.06	0.01	0.14	0.04	0.00	0.07	0.02	0.00
Moving Truck Two Axel 14' Finished Goods Delivery (leaving plant) (one-way trip)	0.22	0.06	0.01	0.14	0.04	0.00	0.07	0.02	0.00
Totals	0.52	0.13	0.01	0.34	0.09	0.01	0.17	0.04	0.00

Methodology

Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
 Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
 Maximum one-way miles (miles/day) = [Maximum trips per year (trip/day)] * [Maximum one-way distance (mi/trip)]
 Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]
 Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]
 Unmitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Unmitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
 Mitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Mitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
 Controlled PTE (tons/yr) = (Mitigated PTE (tons/yr)) * (1 - Dust Control Efficiency)

Abbreviations

PM = Particulate Matter
 PM10 = Particulate Matter (<10 um)
 PM2.5 = Particulate Matter (<2.5 um)
 PTE = Potential to Emit



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

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

TO: William Hensley
Hensley Composites, LLC
1201A D I Drive
Elkhart, IN 46514

DATE: December 31, 2012

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

SUBJECT: Final Decision
Registration
039-32477-00734

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:
Kevin Parks – D & B Environmental Services, 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 11/30/07

Mail Code 61-53

IDEM Staff	GHOTOPP 12/31/2012 Henslev Composites LLC 039-32477-00734 final		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		William Hensley Hensley Composites LLC 1201A D I Dr Elkhart IN 46514 (Source CAATS) via 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		Mr. Kevin Parks D & B Environmental Services, Inc. 401 Lincoln Way West Osceola IN 46561 (Consultant)										
5		Elkhart County Board of Commissioners 117 North Second St. Goshen IN 46526 (Local Official)										
6		ISIS Development Group 2905 Lavanture Place Elkhart IN 46514 (Affected Party)										
7		NST, Inc. PO Box 4113 Elkhart IN 46515 (Affected Party)										
8		Truck Accessories Group, LLC 28858 Ventura Drive Elkhart IN 46517 (Affected Party)										
9		Thomas E Graham 1210 County Road 6 W Elkhart IN 46514 (Affected Party)										
10												
11												
12												
13												
14												
15												

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