



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: October 17, 2008

RE: Everglass, LLC / 085-26543-00116

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



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

REGISTRATION OFFICE OF AIR QUALITY

Everglass, LLC
11279 North State Road 15
Milford, IN 46542

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. 085-26543-00116	
Issued by/Original Signed By: Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: October 17, 2008

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 fiberglass parts manufacturing facility.

Source Address:	11279 North State Road 15, Milford, IN 46542
Mailing Address:	11279 North State Road 15, Milford, IN 46542
General Source Phone Number:	(574) 658-3000
SIC Code:	3089
County Location:	Kosciusko 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) custom fiberglass resin and gelcoat open molding booth, identified as EU1, utilizing a mechanical non-atomized application system, approved for construction in 2008, with a maximum capacity of 0.25 van tops per hour (one unit is equivalent to one van top or a maximum of one hundred fourteen (114) pounds of plastic composite), using no control equipment, and exhausting indoors.
- (b) One (1) custom grinding booth, identified as EU2, approved for construction in 2008, with a maximum capacity of twenty-five (25) pounds per hour, using no control equipment, and exhausting indoors.

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. 085-26543-00116 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 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.

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).

Compliance Requirements [326 IAC 2-1.1-11]

C.3 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 2-5.5-4]

C.4 Compliance Monitoring [326 IAC 2-5.5-4]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented upon issuance of this permit. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.

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

C.5 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

Record Keeping and Reporting Requirements [326 IAC 2-5.5-4]

C.6 General Record Keeping Requirements [326 IAC 2-5.5-4]

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

- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

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) custom fiberglass resin and gelcoat open molding booth, identified as EU1, utilizing a mechanical non-atomized application system, approved for construction in 2008, with a maximum production capacity of 0.25 van tops per hour (one unit is equivalent to one van top or a maximum of one hundred fourteen (114) pounds of plastic composite), using no control equipment, and exhausting indoors.
- (b) One (1) custom grinding booth, identified as EU2, approved for construction in 2008, with a maximum processing capacity of twenty-five (25) pounds per hour, using no control equipment, 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 Limitations [326 IAC 6-3-2] (Particulate Emission Limitations for Manufacturing Processes)

Pursuant to 326 IAC 6-3-2(d), surface coating, reinforced plastics composites fabricating manufacturing processes, and graphics arts manufacturing processes shall be controlled by a dry particulate filter, waterwash, or an equivalent control, subject to the following:

- (1) If overspray from the fiberglass resin/gelcoat open molding booth (EU1) is visibly detected or accumulates on the ground, the source shall do the following no later than four (4) hours after such an observation:
 - (i) Operate equipment so that no overspray is visibly detectable or accumulates on the ground.
- (2) If overspray is visibly detected, the source shall maintain a record of any actions taken or change in operations, so that overspray is not visibly detected or accumulates on the ground.
- (3) Records must be maintained for five (5) years.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-2(g)] [326 IAC 2-5.5-4(b)]

D.1.2 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.1, the Permittee shall maintain a log describing any actions taken when overspray is detected. This record shall be complete and sufficient to establish compliance with the particulate control requirements of 326 IAC 6-3-2(d) established in Condition D.1.1. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE 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:	Everglass, LLC
Address:	11279 North State Road 15
City:	Milford, IN 46542
Phone Number:	(574) 658-3000
Registration No.:	085-26543-00116

- I hereby certify that Everglass, LLC is : still in operation.
 no longer in operation.
- I hereby certify that Everglass, LLC is : in compliance with the requirements of Registration No. 085-26543-00116.
 not in compliance with the requirements of Registration No. 085-26543-00116.

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: Everglass, LLC
Source Location: 11279 North State Road 15, Milford, IN 46542
County: Kosciusko
SIC Code: 3089
Registration (or Exemption) No.: 085-26543-00116
Permit Reviewer: Sandra Carr

On May 14, 2008, the Office of Air Quality (OAQ) has received an application from Everglass, LLC related to the construction and operation of new emission units in an existing building.

Existing Approvals

There have been no previous approvals issued to this source.

County Attainment Status

The source is located in Kosciusko County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment as of June 15, 2004, 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 Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM _{2.5} .	

(Air Pollution Control Board; 326 IAC 1-4-44; filed Dec 26, 2007, 1:43 p.m.: 20080123-IR-326070308FRA)

- (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. Kosciusko 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) **PM_{2.5}**
 Kosciusko 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, and the effective date of these rules was July 15th, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM₁₀ emissions as a surrogate for PM_{2.5} emissions until 326 IAC 2-2 is revised.

- (c) **Other Criteria Pollutants**
Kosciusko County has been classified as attainment or unclassifiable in Indiana for all 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 and hazardous air pollutants 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 Everglass, LLC on May 14, 2008, relating to the construction of a fiberglass parts manufacturing facility.

Unpermitted Emission Units and Pollution Control Equipment

The source consists of the following unpermitted emission unit(s):

- (a) One (1) custom fiberglass resin and gelcoat open molding booth, identified as EU1, utilizing a mechanical non-atomized application system, approved for construction in 2008, with a maximum capacity of 0.25 van tops per hour (one unit is equivalent to one van top or a maximum of one hundred fourteen (114) pounds of plastic composite), using no control equipment, and exhausting indoors.
- (b) One (1) custom grinding booth, identified as EU2, approved for construction in 2008, with a maximum capacity of twenty-five (25) pounds per hour, using no control equipment, and exhausting indoors.

Enforcement Issues

IDEM is aware that equipment has been constructed and/or 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	PM ₁₀ *	PM _{2.5}	SO ₂	NOx	VOC	CO	Total HAPs	Worst Single HAP
EU1	3.31	3.31	3.31	negl.	negl.	10.31	negl.	10.31	9.99 (Styrene)
EU2	4.38	4.38	4.38	negl.	negl.	negl.	negl.	negl.	negl.
Total PTE of Entire Source	7.69	7.69	7.69	Negl.	Negl.	10.31	Negl.	10.31	9.99
Registration Levels	25	25	25	25	25	25	100	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 (PM ₁₀), not particulate matter (PM), is considered as a "regulated air pollutant".									

Criteria Pollutants

- (a) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1(16)) of PM, PM₁₀, SO₂, NOx, 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.

Hazardous Air Pollutants

- (b) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1(16)) 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.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

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

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (b) 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)

- (c) 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:

326 IAC 2-5.1-2 (Registrations)

Registration applicability is discussed under the Permit Level Determination – Registration section above.

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.

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 five (5) tons per year. Therefore, 326 IAC 2-6 does not apply.

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.

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.

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 twenty-five (25) tons per year. Therefore, 326 IAC 6-5 does not apply.

Grinding Operation

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

Pursuant to 326 IAC 6-3-2, particulate matter (PM) from the grinding operation (EU2) shall not exceed five hundred fifty-one thousandths (0.551) pound per hour when operating at a process weight rate of one hundred (100) pounds per hour. Compliance with the pound per hour limitation shall be calculated using the following equation:

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

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

At the current operating rate of twenty-five (25) pounds per hour, the potential to emit particulate from EU2 is 0.22 pounds per hour, which is less than the 0.551 pound per hour limit established in 326 IAC 6-3-2. Therefore, the grinding operation can comply without the use of a control device.

Resin/Gelcoat Operations

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

Pursuant to 326 IAC 6-3-2(d), surface coating, reinforced plastics composites fabricating manufacturing processes, and graphics arts manufacturing processes shall be controlled by a dry particulate filter, waterwash, or an equivalent control, subject to the following:

- (a) If overspray from the fiberglass resin/gelcoat open molding booth (EU1) is visibly detected or accumulates on the ground, the source shall do the following no later than four (4) hours after such an observation:
 - (1) Operate equipment so that no overspray is visibly detectable or accumulates on the ground.
- (b) If overspray is visibly detected, the source shall maintain a record of the action taken as a result of the inspection or change in operations, so that overspray is not visibly detected or accumulates on the ground.
- (c) Records must be maintained for five (5) years.

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

This rule applies to facilities which were constructed after January 1, 1980, located anywhere in Indiana, and have potential VOC emissions greater than twenty-five (25) tons per year. The resin and gelcoat spray booth (EU1) is not subject to the provisions of 326 IAC 8-1-6 since the unlimited potential to emit (PTE) VOC is less than twenty-five (25) tons per year.

326 IAC 8-3-2 (Cold Cleaner Operations)

This rule applies to facilities which were constructed after January 1, 1980, located anywhere in Indiana, which perform organic solvent degreasing operations. This source was constructed in 2008, is located in Kosciusko County, but does not perform organic solvent degreasing operations. Therefore, this source is not subject to 326 IAC 8-3-2.

326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control)

This source was constructed after July 1, 1990 but does not perform organic solvent degreasing operations. Therefore, the requirements of 326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control) are not applicable.

There are no other 326 IAC 8 Rules that are applicable to this source.

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 May 14, 2008.

The construction and operation of this source shall be subject to the conditions of the attached proposed Registration No. 085-26543-00116. The staff recommends to the Commissioner that this Registration be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Sandra Carr 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) (234-5372) or toll free at 1-800-451-6027 extension 4-5372.
- (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: Emission Calculations
Summary**

**Company Name: Everglass, LLC
Address: 11279 North State Road 15, Milford, IN 46542
Registration: 085-26543-00116
Reviewer: Sandra Carr
Date: August 18, 2008**

Potential to Emit

Emission Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO	Single HAP (Styrene)	Combined HAP
Open Molding	3.23	3.23	3.23	negl.	negl.	9.99	negl.	9.99	9.99
Catalyst	negl.	negl.	negl.	negl.	negl.	0.32	negl.	0.22	0.32
Grinding	4.38	4.38	4.38	negl.	negl.	negl.	negl.	negl.	negl.
Totals	7.61	7.61	7.61	negl.	negl.	10.31	negl.	9.99	10.31

Highest Single HAP = Styrene

Appendix A: Emissions Calculations
Form DD: Reinforced Plastics and Composites
Open Molding Operations*
Reinforced Plastics and Composites Fiberglass Processes

Company Name: Everglass, LLC
Address City IN Zip: 11279 North State Road 15, Milford, IN 46542
Permit Number: 085-26543-00116
Reviewer: Sandra Carr
Date: August 18, 2008

Material (Resin or Gel Name)	Application type	Density (Lb/Gal)	Weight % Monomer	Gal of Mat. (gal/unit)	Maximum usage (unit/hour)	UEF (lbs monomer /ton resin or gel)	Potential VOC/HAP (pounds per day)	Potential VOC/HAP Styrene (tons per year)	Transfer Efficiency	Potential PM (tons/ year)
Valspar Envirotech HI Flex VS-4 Primer	Mechanical Non-Atomized	11.26	0.2961	6.85	0.25	165.82	38.38	7.00	100%	0.00
CCP Polycor 945YA058 Tooling Orange	Gelcoat Non-Atomized	9.11	0.4192	2.15	0.25	276.82	16.28	2.97	75%	3.12
Methyl Methacrylate (MMA)	Gelcoat Non-Atomized	9.11	0.0450	0.05	0.25	67.50	0.09	0.02	75%	0.11
Total VOC/HAP and PM from Resin and Gel Use								9.99		3.23

* Open Molding Operations include the following: manual application, mechanical application, gel coat application, and filament application.

Assume all PM = PM₁₀.

Single highest HAP (Styrene) (tons/yr)= 9.99

METHODOLOGY

Note: Because all HAPs are VOCs, VOC and HAPs calculations are combined into one spreadsheet

All Emission Factors, based on the type of application, are from "Unified Emission Factors for Open Molding of Composites," Composites Fabricators Association (July 2001).

Potential VOC (ton/year) = Potential VOC (lb/day) * 365 days/year * (1 ton/2000 lb)

Potential PM (ton/year) = Density * (1 - Weight % monomer or VOC) * Gal. of Material * Maximum Usage * (1 - transfer efficiency) * 24 hrs/day * 365 days/year * (1 ton/2000 lb)

Potential VOC (lb/day) for resins or gels =

Density (lb material /gal material) * Gal. of material (gal material/unit) * Maximum usage (unit/hr) * UEF (lb styrene/ton material) * 24 hrs/day * 1 ton material/2000 lbs material

**Appendix A: Emission Calculations
VOC and HAP Emissions
Catalyst Usage**

**Company Name: Everglass, LLC
Address: 11279 North State Road 15, Milford, IN 46542
Registration: 085-26543-00116
Reviewer: Sandra Carr
Date: August 18, 2008**

Material Used	Density (lbs/gal)	Max. Usage (gal/hr)	Weight % Dimethyl Phthalate	PTE of Dimethyl Phthalate (tons/yr)	Weight % Phlegmatizer	PTE of Phlegmatizer (tons/yr)	Weight % Methyl Ethyl Ketone	PTE of Methyl Ethyl Ketone (tons/yr)
NOROX MEKP-9 (Catlyst)	9.50	0.01	45%	0.2217	21%	0.0918	2%	0.0020

*This catalyst contains ≤45% Methyl Ethyl Ketone Peroxide (MEKP); MEKP is not a VOC or HAP.

Single highest HAP (Dimethyl Phthalate)= 0.22 tons/yr
Combined HAP = 0.32 tons/yr

METHODOLOGY

PTE of VOC (lbs/day) = Density (lbs/gal) x Weight % VOC x Max. Usage (gal/hr) x 24 hrs/yday
 PTE of VOC (tons/yr) = Density (lbs/gal) x Weight % VOC x Max. Usage (gal/hr) x 8760 hrs/yr x 1 ton/2000 lbs
 PTE of HAP (tons/yr) = Density (lbs/gal) x Weight % HAP x Max. Usage (gal/hr) x 8760 hrs/yr x 1 ton/2000 lbs

**Appendix A: Emission Calculations
Plastic Grinding/Finishing Operations**

Company Name: Everglass, LLC
Address City IN Zip: 11279 North State Road 15, Milford, IN 46542
Permit : 085-26543-00116
Reviewer: Sandra Carr
Date: August 18, 2008

Maximum Uncontrolled PM from grinding/sanding/finishing (lb/hr) =	1.0
	PM tons/yr = 4.38
	PM₁₀ tons/yr = 4.38
	PM_{2.5} tons/yr = 4.38

Methodology

Uncontrolled PM (lbs/hr) = (weight of dust collected)/(hours per week)

Uncontrolled PM (tons/yr) = (Uncontrolled PM (lbs/hr) x hours per year)/2000 lbs/ton

Assume all PM = PM₁₀ = PM_{2.5}.