INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

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

April 29, 2004

TO: Interested Parties / Applicant

RE: Global Composites, Inc. / 039-18867-00392

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

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-MOD.dot 9/16/03

April 29, 2004

Mr. Gary Beck
Global Composites, Inc.
58190 County Road 3 South
Elkhart, Indiana 46517

Re: 039-18867
Second Administrative Amendment to
Part 70 039-7574-00392

Dear Mr. Beck:

Global Glass, Inc., now Global Composites, Inc., located at 58190 County Road 3 South, Elkhart, Indiana 46517 was issued a Part 70 permit on March 28, 2002 for a stationary fiberglass and plastic parts manufacturing plant. A letter requesting changes to the permit was received on March 23, 2004. The request for a change is as follows:

Request 1: Please change the corporate name from “Global Glass, Inc.” to “Global Composites, Inc.”

Request 2: Please change the mailing address in all places where currently listed as “28967 US 33 West, Elkhart, Indiana 46516" to “58190 County Road 3 South, Elkhart, Indiana 46517". This reflects the relocation of the corporate offices.

Request 3: Please change the following in Section A.3(c) from “One (1) metton post final/final finish area, known as MFF, constructed in 1994, equipped with HVLP spray equipment, with a maximum capacity 200 parts per hour, equipped with dry filters for air pollution control and exhausting to stack SV207.” To read “One (1) metton post final/final finish area, known as MFF, constructed in 1994, equipped with HVLP spray equipment, with a maximum capacity 200 parts per hour, equipped with dry filters for particulate overspray emission control and exhausting to stack SV007.” This change is requested to clarify that filter media is not used as a pollution control device, it is for overspray and particulate control. Recordkeeping and inspection requirements already exist in the permit found in the D.1.10 Section of the permit for particulate. The language as written could be misleading.

Secondly, the post final and metton paint booth are in one area but have two separate stacks. The original permit states it is one stack. If you look at t he stacks it appears that they are two separate exhaust fans leading to one exit port, however, an examination of the roof clearly shows that the two exit stacks exist. This change doesn’t reflect an addition of stack it serves only to clarify that the area identified as MFF (metton final and final finish) are tied together with two stacks identified as SV007. If necessary, you could make them SV007(a) and SV007(b).

Request 4: Please change Section A.3(g), from “One (1) grinding booth known as Booth C constructed in 1996 with a maximum capacity of 6.25 fiberglass parts per hour, equipped with a water wash system as control equipment, and exhausting in the

building." To "One (1) grinding booth known as Booth C constructed in 1996 with a maximum capacity of 6.25 fiberglass parts per hour, equipped with an air wall dust collection system as particulate emission control equipment, and exhausting in the building." We request this change to reflect an upgrade in dust collection methods. This change does not increase particulate emissions. It simply removes the water wash system and upgrades dust collection to an internal closed looped dust collection system with no direct exhaust to the outside environment.

Request 5: Please change section A.4(d) from "One (1) CNC wood cutting and one (1) CNC metal cutting machine, with particulate matter emission less than 5 pounds per hour or 25 pounds per day. " To "One (1) CNC wood cutting and one (1) CNC metal cutting machine, and one (1) CNC metal/wood cutting machine, with particulate matter emissions less than 5 pounds per hour or 25 pounds per day." This change reflects the addition of one upgraded computerized CNC machine that has the capabilities of cutting both wood and metals. This change is notice only to specifically regulated insignificant activities. This addition does not increase potential emissions and is considered insignificant in operation.

To be consistent within the permit, these changes should be made to the D Sections of the permit for all items that correspond to the A Sections identified.

The above requests constitute a change in the source's name in Section A.1 and revision to descriptive information, which does not trigger new applicable requirements. Therefore, pursuant to the provisions of 326 IAC 2-7-11 the Part 70 permit is hereby administratively amended as follows (additions are **bolded** and deletions are ~~struck-through~~ for emphasis):

Response 1: Global Glass, Inc. will be changed to Global Composites, Inc. as requested. All pages of the Part 70 that bear the old name will be changed to Global Composites, Inc.

Response 2: The source's mailing address will be changed from "28967 US 33 West, Elkhart, Indiana 46516" to "58190 County Road 3 South, Elkhart, Indiana 46517". This address change will also be reflected in all the reporting forms.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Office of Air Quality
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Global ~~Glass~~ **Composites**, Inc.
Source Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Mailing Address: ~~28967 US 33 West, Elkhart, Indiana 46516~~ **58190 County Road 3 South, Elkhart, Indiana 46517**
Part 70 Permit No.: T 039-7574-00392

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

Please check what document is being certified:

Annual Compliance Certification Letter

Test Result (specify) _____

Report (specify) _____

Notification (specify) _____

Affidavit (specify) _____

Other (specify) _____

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

Signature:

Printed Name:

Title/Position:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Office of Air Quality
COMPLIANCE BRANCH
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Global ~~Glass~~ **Composites,** Inc.
Source Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Mailing Address: ~~28967 US 33 West, Elkhart~~ **58190 County Road 3 South, Elkhart, Indiana 46517**
Part 70 Permit No.: T 039-7574-00392

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

9 This is an emergency as defined in 326 IAC 2-7-1(12)
- C The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
- C The Permittee must submit notice in writing or by facsimile within two (**2**) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16.

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

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

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Office of Air Quality
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Global ~~Glass~~ **Composites**, Inc.
Source Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Mailing Address: ~~28967 US 33 West, Elkhart~~ **58190 County Road 3 South, Elkhart, Indiana 46517**
Part 70 Permit No.: T 039-7574-00392
Facility: Entire Source, Plants 1, 2, 3 and 4, excluding Flat Panel Manufacturing Operation at Plant 4
Parameter: Volatile Organic Compound emissions
Limit: Less than 250 tons per consecutive twelve (12) month period

Monthly usage by weight, percent volatiles, and method of application shall be recorded for each resin and solvent. Volatile organic compound emissions shall be calculated by multiplying the usage of each resin and solvent by the emission factor that is appropriate for the percent volatiles or monomer content, and the method of application, and summing the emissions for all resins and solvents. Emission factors shall be obtained from a reference approved by IDEM, OAQ.

The emission factors approved for use by IDEM, OAQ for resin and gelcoat operations shall be taken from the following reference: "Unified Emission Factors for Open Molding of Composites," Composites Fabricators Association, April 1999, with the exception of the emission factors for controlled spray application. This reference is included with this permit. The emission factors for injection molding shall be 1.0% of the input volatile organic compounds. The emission factors for all other VOC emitting compounds shall be 100% of the input volatile organic compounds.

Note: This form satisfies the reporting requirements of both Condition D.1.1 (326 IAC 2-2) and Condition D.1.3 (326 IAC 8-1-6).

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.
Deviation has been reported on: _____

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

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Office of Air Quality
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Global ~~Glass~~ **Composites**, Inc.
Source Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Mailing Address: ~~28967 US 33 West, Elkhart~~ **58190 County Road 3 South, Elkhart, Indiana 46517**
Part 70 Permit No.: T 039-7574-00392
Facility: Plants 1 and 2 Metton Painting Booth (MPB) and Metton Final Finish area(MFF)
Parameter: Total Volatile Organic Compounds from both booths, as delivered to the applicators
Limit: Less than 25 tons per consecutive twelve (12) month period

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Office of Air Quality
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Global ~~Glass~~ **Composites**, Inc.
Source Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Mailing Address: ~~28967 US 33 West, Elkhart~~ **58190 County Road 3 South, Elkhart, Indiana 46517**
Part 70 Permit No.: T 039-7574-00392
Facility: Plant 4 Flat Panel Manufacturing Operation
Parameter: Volatile Organic HAP emissions
Limit: Less than 100 tons per consecutive twelve (12) month period

Monthly usage by weight, percent volatiles, and method of application shall be recorded for each resin and solvent. Volatile organic HAP emissions shall be calculated by multiplying the usage of each resin and solvent by the emission factor that is appropriate for the percent volatiles or monomer content, and the method of application, and summing the emissions for all resins and solvents. Emission factors shall be obtained from a reference approved by IDEM, OAQ.

The emission factors approved for use by IDEM, OAQ for resin and gelcoat operations shall be taken from the following reference: "Unified Emission Factors for Open Molding of Composites," Composites Fabricators Association, April 1999, with the exception of the emission factors for controlled spray application. This reference is included with this permit. The emission factors for all other VOC emitting compounds shall be 100% of the input volatile organic compounds.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.
Deviation has been reported on: _____

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

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Office of Air Quality
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Global ~~Glass~~ **Composites**, Inc.
Source Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Mailing Address: ~~28967 US 33 West, Elkhart~~ **58190 County Road 3 South, Elkhart, Indiana 46517**
Part 70 Permit No.: T 039-7574-00392

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

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

Page 2 of 2

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:	

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.

Deviation has been reported on: ______________________

Submitted by: _________________________

Title/Position: _________________________

Signature: _________________________

Date: _________________________

Phone: _________________________

Attach a signed certification to complete this report.

Response 3: Section A.3(c) SV007 is identified as SV207 in the most recent issued administrative amendment AA039-15911-00493, therefore this section will be amended as follows:(c) One (1) metton post final/final finish

area, known as MFF, constructed in 1994, equipped with HVLP spray equipment, with a maximum capacity 200 parts per hour, equipped with dry filters for ~~air pollution control~~ **particulate overspray emission control**, and exhausting to stack SV207 **(a) and stack SV207(b)**.

Response 4: Section A.3(g), is identified as A.3(i) in the most recent issued administrative amendment AA039-15911-00493, it will be amended as follows:

(i) One (1) grinding booth, known as Booth C, constructed in 1996, with a maximum capacity of 6.25 fiberglass parts per hour, equipped with ~~a water wash system as control equipment~~ **an air wall dust collection system for particulate emission control, and exhausts inside the building.**

Response 5: Section A.4(d) will be amended as follows:

(d) One (1) CNC wood cutting and one (1) CNC metal cutting machine, **and one (1) CNC metal/wood cutting machine** with particulate matter emissions less than 5 pounds per hour or 25 pounds per day.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Fiberglass and Surface Coating Operations

Plants 1 and 2 - US 33 West

(a) and (b) no change

(c) One (1) metton post final/final finish area, known as MFF, constructed in 1994, equipped with HVLP spray equipment, with a maximum capacity 200 parts per hour, equipped with dry filters for ~~air pollution control~~ **particulate overspray emission control**, and exhausting to stack SV207 **(a) and stack SV207(b)**.

(d) and (e) no change

Plant 3 - Elk Park Drive

(g) and (h) no change

Plant 4 - County Road 3

(j) and (k) no change

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

SECTION D.3 FACILITY OPERATION CONDITIONS

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

Plants 1 and 2 - US 33 West

(f) One (1) metton grinding area, known as MGB, constructed in 1994, with a maximum capacity 200 parts per hour, equipped with a water wash system as control equipment.

Plant 3 - Elk Park Drive

(i) One (1) grinding booth, known as Booth C, constructed in 1996, with a maximum capacity of 6.25 fiberglass parts per hour, equipped with ~~a water wash system as control equipment~~ **an air wall dust collection system for particulate emission control, and exhausts inside the building.**

Plant 4 - County Road 3 South

(l) One (1) grinding booth, identified as SV403 constructed in 1998, equipped with an air wall dust collection system exhausting inside the building for air pollution control, capacity: 2,179 pounds per hour.

(m) One (1) 52" wide belt sander, one (1) table saw and one (1) radial arm saw for the flat panel operation, constructed in 1998, equipped with a 3-bag dust collection system for particulate control exhausting inside the building, maximum capacity: 250 pounds per hour.

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

SECTION D.4 FACILITY OPERATION CONDITIONS

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

(a) Metal inert gas and oxyacetylene flame cutting operations at various locations in the four plants, with emissions less than 5 pounds per day or 1 ton per year of a single HAP, less than 12.5 pounds per day or 2.5 tons per year of any combination of HAPs, and less than 5 pounds per hour or 25 pounds per day of particulate matter. [326 IAC 6-3-2]

(b) One (1) woodworking area equipped with a two bag dust collector emitting less than 5 pounds per hour or 25 pounds per day of particulate matter, located at Plant 3. [326 IAC 6-3-2]

(c) One (1) panel cutter located at Plant 4, equipped with a drum collection system and no direct exhaust, emitting less than 5 pounds per hour or 25 pounds per day of particulate matter.

(d) One (1) CNC wood cutting and one (1) CNC metal cutting machine, **and one (1) CNC metal/wood cutting machine** with particulate matter emissions less than 5 pounds per hour or 25 pounds per day.

(e) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-5]

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

All conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

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 Aida De Guzman, at (800) 451-6027, press 0 and ask for extension (3-4972), or dial (317) 233-4972.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
APD
cc: File - Elkhart County
U.S. EPA, Region V
Elkhart County Health Department
Northern Regional Office
Air Compliance Section Inspector - Greg Wingstrom
Compliance Data Section
Administrative and Development

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Joseph E. Kernan
Governor

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100 North Senate Avenue
P. O. Box 6015
Indianapolis, Indiana 46206-6015
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PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

Global Composites, Inc.
58190 County Road 3 South
Elkhart, Indiana 46517

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

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.: T 039-7574-00392	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: March 28, 2002 Expiration Date: March 28, 2007

1st Administrative Amendment No.:AA 039-15911-00493, issued on October 8, 2002

2nd Administrative Amendment No.: AA039-18867	Sections Affected: 5, 6, 7, 27, 44, 46, 49, 50, 51, 52, 53, 54, 55, 56
Issued by: Original signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: April 29, 2004

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 stationary fiberglass and plastic parts manufacturing source.

Responsible Official:	Gary Beck
Source Address:	58190 County Road 3 South, Elkhart, Indiana 46517
Mailing Address:	58190 County Road 3 South, Elkhart, Indiana 46517
SIC Code:	3089
County Location:	Elkhart
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD or Emission Offset Rules; Major Source, Section 112 of the Clean Air Act

A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

This fiberglass and plastic parts manufacturing company consists of four (4) plants:

(a) Plant 1 is located at 28967 U.S. 33 West, Elkhart, Indiana;

(b) Plant 2 is located at 28967 U.S. 33 West, Elkhart, Indiana;

(c) Plant 3 is located at 56807 Elk Park Drive, Elkhart, Indiana; and

(d) Plant 4 is located at 58190 County Road 3 South, Elkhart, Indiana.

Since the four (4) plants are located on adjacent properties, have similar SIC codes, have support relationships, and are owned by one company, they will be considered as one (1) source. This determination was made previously in CP 039-9601-00493, issued on August 31, 1998, and has been reviewed in May 2001 at the request of the applicant. The official address for the combined source is Plant 4, and all four (4) plants will report emissions under the Plant ID for Plant 4, which is 00493.

A.3 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:

Plants 1 and 2 - US 33 West

(a) One (1) metton injection area, known as MIJB1, constructed in 1994, equipped with four (4) metton injection presses, each with a maximum capacity of 50 parts per hour, emissions are uncontrolled and exhausting to stack SV204.

(b) One (1) metton painting area, consisting of one (1) paint booth, known as MPB, constructed in 1994, and later updated to meet OSHA requirements, with one (1) paint mixing area. The paint booth is equipped with HVLP spray equipment, with a maximum capacity of 200 parts

per hour, using dry filters as control equipment, and exhausting to stack SV207.

(c) One (1) metton post final/final finish area, known as MFF, constructed in 1994, equipped with HVLP spray equipment, with a maximum capacity 200 parts per hour, equipped with dry filters for particulate overspray emission control, and exhausting to stack SV207 (a) and stack SV207(b).

(d) One (1) Venus portable chop system, equipped with one (1) pro-flow control application gun with a fluid impingement tip, with a maximum capacity of 19 fiberglass parts per hour, using dry filters for overspray control, and exhausting to stack SV101.

(e) One (1) Magnum portable air assisted airless gel coat system with a maximum capacity of 19 fiberglass parts per hour, using dry filters for overspray control, and exhausting to stack SV205.

(f) One (1) metton grinding area, known as MGB, constructed in 1994, with a maximum capacity 200 parts per hour, equipped with dry filters and a water wash system as control equipment, and exhausting inside the building.

Plant 3 - Elk Park Drive

(g) One (1) gel coat booth, known as Booth B, constructed in 1996, with a maximum capacity of 6.25 fiberglass parts per hour, using dry filters as control equipment, and exhausting to stack SV301.

(h) One (1) lamination booth, known as Booth A, constructed in 1996, with a maximum capacity 6.25 fiberglass parts per hour, using dry filters as control equipment, and exhausting to stack SV302.

(i) One (1) grinding booth, known as Booth C, constructed in 1996, with a maximum capacity of 6.25 fiberglass parts per hour, equipped with an air wall dust collection system for particulate emission control, and exhausts inside the building.

Plant 4 - County Road 3 South

(j) One (1) custom gel coat booth, identified as SV401, constructed in 1998, equipped air assisted airless spray equipment and dry filters for overspray control, capacity: 19 fiberglass parts per hour.

(k) One (1) custom lamination booth, identified as SV402, constructed in 1998, equipped with flowchop gun systems and dry filters for overspray control, capacity: 19 fiberglass parts per hour.

(l) One (1) grinding booth, identified as SV403, constructed in 1998, equipped with an air wall dust collection system exhausting inside the building for air pollution control, capacity: 2,179 pounds per hour.

(m) One (1) gel coat reciprocator flat panel facility, identified as SV404, constructed in 1998, equipped with one (1) air- assisted spray gun and dry filters for overspray control, capacity: 5 flat panels per hour.

(n) One (1) resin reciprocator flat panel facility, identified as SV405, constructed in 1998, equipped with one (1) fluid impingement gun and dry filters for overspray control, capacity: 5 flat panels per hour.

(o) One (1) 52" wide belt sander for the flat panel operation, constructed in 1998, equipped with a 3-bag dust collection system for particulate control exhausting inside the building, maximum capacity: 250 pounds per hour.

A.4 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) Metal inert gas and oxyacetylene flame cutting operations at various locations in the four plants, with emissions less than 5 pounds per day or 1 ton per year of a single HAP, less than 12.5 pounds per day or 2.5 tons per year of any combination of HAPs, and less than 5 pounds per hour or 25 pounds per day of particulate matter. [326 IAC 6-3-2]

(b) One (1) woodworking area equipped with a two bag dust collector emitting less than 5 pounds per hour or 25 pounds per day of particulate matter, located at Plant 3. [326 IAC 6-3-2]

(c) One (1) panel cutter located at Plant 4, equipped with a drum collection system and no direct exhaust, emitting less than 5 pounds per hour or 25 pounds per day of particulate matter. [326 IAC 6-3-2]

(d) One (1) CNC wood cutting and one (1) CNC metal cutting machine, and one (1) CNC metal/wood cutting machine with particulate matter emissions less than 5 pounds per hour or 25 pounds per day.

(e) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-5]

A.5 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 D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Fiberglass and Surface Coating Operations

Plants 1 and 2 - US 33 West

(a) One (1) metton injection area, known as MIJB1, constructed in 1994, equipped with four (4) metton injection presses, each with a maximum capacity of 50 parts per hour, emissions are uncontrolled and exhausting to stack SV204.

(b) One (1) metton painting area, consisting of one (1) paint booth, known as MPB, constructed in 1994, and later updated to meet OSHA requirements, with one (1) paint mixing area. The paint booth is equipped with HVLP spray equipment, with a maximum capacity of 200 parts per hour, using dry filters as control equipment, and exhausting to stack SV207.

(c) One (1) metton post final/final finish area, known as MFF, constructed in 1994, equipped with HVLP spray equipment, with a maximum capacity 200 parts per hour, equipped with dry filters for particulate overspray emission control, and exhausting to stack SV207(a) and stack SV207(b).

(d) One (1) Venus portable chop system, equipped with one (1) pro-flow control application gun with a fluid impingement tip, with a maximum capacity of 19 fiberglass parts per hour, using dry filters for overspray control, and exhausting to stack SV101.

(e) One (1) Magnum portable air assisted airless gel coat system with a maximum capacity of 19 fiberglass parts per hour, using dry filters for overspray control, and exhausting to stack SV205.

Plant 3 - Elk Park Drive

(g) One (1) gel coat booth, known as Booth B, constructed in 1996, with a maximum capacity of 6.25 fiberglass parts per hour, using dry filters as control equipment, and exhausting to stack SV301.

(h) One (1) lamination booth, known as Booth A, constructed in 1996, with a maximum capacity 6.25 fiberglass parts per hour, using dry filters as control equipment, and exhausting to stack SV302.

Plant 4 - County Road 3 South

(j) One (1) custom gel coat booth, identified as SV401, constructed in 1998, equipped air assisted airless spray equipment and dry filters for overspray control, capacity: 19 fiberglass parts per hour.

(k) One (1) custom lamination booth, identified as SV402, constructed in 1998, equipped with flowchop gun systems and dry filters for overspray control, capacity: 19 fiberglass parts per hour.

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

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

D.1.1 Volatile Organic Compounds [326 IAC 2-2] [40 CFR 52.21]

Pursuant to CP 039-9601-00493, issued on August 31, 1998, all operations, including the use of resins, gel coats, coatings, dilution solvents, and cleaning solvents at Plants 1, 2, 3 and 4, (with the exception of the flat panel facility at Plant 4), shall be limited such that the potential to emit (PTE) of Volatile Organic Compounds (VOC) shall be less than 250 tons per 12 consecutive month period. These facilities represent the “existing source” prior to the minor source modification also contained

SECTION D.3 FACILITY OPERATION CONDITIONS

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

Plants 1 and 2 - US 33 West

(f) One (1) metton grinding area, known as MGB, constructed in 1994, with a maximum capacity 200 parts per hour, equipped with a water wash system as control equipment.

Plant 3 - Elk Park Drive

(i) One (1) grinding booth, known as Booth C, constructed in 1996, with a maximum capacity of 6.25 fiberglass parts per hour, equipped with an air wall dust collection system for particulate emission control, and exhausts inside the building.

Plant 4 - County Road 3 South

(l) One (1) grinding booth, identified as SV403 constructed in 1998, equipped with an air wall dust collection system exhausting inside the building for air pollution control, capacity: 2,179 pounds per hour.

(m) One (1) 52" wide belt sander, one (1) table saw and one (1) radial arm saw for the flat panel operation, constructed in 1998, equipped with a 3-bag dust collection system for particulate control exhausting inside the building, maximum capacity: 250 pounds per hour.

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

Emission Limitations and Standards

D.3.1 Particulate Matter (PM) [326 IAC 6-3-2]

(a) Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the Plants 1 and 2 metton grinding booth (MGB) shall not exceed 7.59 pounds per hour when operating at a process weight rate of 5,014 pounds per hour.

The pounds per hour limitation was calculated with the following equation:

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

$E = 4.10\ P^{0.67}$

where E = rate of emission in pounds per hour; and

P = process weight rate in tons per hour

(b) Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the Plant 3 grinding booth (C) shall not exceed 2.17 pounds per hour when operating at a process weight rate of 777 pounds per hour.

The pounds per hour limitation was calculated with the following equation:

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

$E = 4.10\ P^{0.67}$

where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

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

(a) Metal inert gas and oxyacetylene flame cutting operations at various locations in the four plants, with emissions less than 5 pounds per day or 1 ton per year of a single HAP, less than 12.5 pounds per day or 2.5 tons per year of any combination of HAPs, and less than 5 pounds per hour or 25 pounds per day of particulate matter. [326 IAC 6-3-2]

(b) One (1) woodworking area equipped with a two bag dust collector emitting less than 5 pounds per hour or 25 pounds per day of particulate matter, located at Plant 3. [326 IAC 6-3-2]

(c) One (1) panel cutter located at Plant 4, equipped with a drum collection system and no direct exhaust, emitting less than 5 pounds per hour or 25 pounds per day of particulate matter.

(d) One (1) CNC wood cutting and one (1) CNC metal cutting machine, and one (1) CNC metal/wood cutting machine with particulate matter emissions less than 5 pounds per hour or 25 pounds per day.

(e) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-5]

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

(a) The particulate matter (PM) emissions welding and flame cutting operations will be limited to 0.674 pounds per hour when operating at a process weight rate 135 pounds per hour.

The pounds per hour limitation was calculated from the following 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.

$E = 4.10\ (0.068\ \text{tons/hr})^{0.67} = 0.674$ pounds per hour.

(b) The particulate matter (PM) emissions from the woodworking, panel cutting and metal cutting operations will be limited to 1.44 pounds per hour when operating at a process weight rate 420 pounds per hour.

The pounds per hour limitation was calculated from the following 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.

$E = 4.10\ (0.210\ \text{tons/hr})^{0.67} = 1.44$ pounds per hour.

D.4.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5] [326 IAC 8-3-2]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser facility, construction of which commenced after July 1, 1990, shall ensure that the following control equipment requirements are met:

Office of Air Quality
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Global Composites, Inc.
Source Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Mailing Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Part 70 Permit No.: T 039-7574-00392

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

Please check what document is being certified:

Annual Compliance Certification Letter

Test Result (specify) _____

Report (specify) _____

Notification (specify) _____

Affidavit (specify) _____

Other (specify) _____

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

Signature:

Printed Name:

Title/Position:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Office of Air Quality
COMPLIANCE BRANCH
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Global Composites, Inc.
Source Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Mailing Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Part 70 Permit No.: T 039-7574-00392

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

9 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 317-233-5674, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16.

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

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

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Office of Air Quality
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Global Composites, Inc.
Source Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Mailing Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Part 70 Permit No.: T 039-7574-00392
Facility: Entire Source, Plants 1, 2, 3 and 4, excluding Flat Panel Manufacturing Operation at Plant 4
Parameter: Volatile Organic Compound emissions
Limit: Less than 250 tons per consecutive twelve (12) month period

Monthly usage by weight, percent volatiles, and method of application shall be recorded for each resin and solvent. Volatile organic compound emissions shall be calculated by multiplying the usage of each resin and solvent by the emission factor that is appropriate for the percent volatiles or monomer content, and the method of application, and summing the emissions for all resins and solvents. Emission factors shall be obtained from a reference approved by IDEM, OAQ.

The emission factors approved for use by IDEM, OAQ for resin and gelcoat operations shall be taken from the following reference: "Unified Emission Factors for Open Molding of Composites," Composites Fabricators Association, April 1999, with the exception of the emission factors for controlled spray application. This reference is included with this permit. The emission factors for injection molding shall be 1.0% of the input volatile organic compounds. The emission factors for all other VOC emitting compounds shall be 100% of the input volatile organic compounds.

Note: This form satisfies the reporting requirements of both Condition D.1.1 (326 IAC 2-2) and Condition D.1.3 (326 IAC 8-1-6).

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.
Deviation has been reported on: _____

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

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Office of Air Quality
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Global Composites, Inc.
Source Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Mailing Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Part 70 Permit No.: T 039-7574-00392
Facility: Plants 1 and 2 Metton Painting Booth (MPB) and Metton Final Finish area(MFF)
Parameter: Total Volatile Organic Compounds from both booths, as delivered to the applicators
Limit: Less than 25 tons per consecutive twelve (12) month period

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Office of Air Quality
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Global Composites, Inc.
Source Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Mailing Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Part 70 Permit No.: T 039-7574-00392
Facility: Plant 4 Flat Panel Manufacturing Operation
Parameter: Volatile Organic HAP emissions
Limit: Less than 100 tons per consecutive twelve (12) month period

Monthly usage by weight, percent volatiles, and method of application shall be recorded for each resin and solvent. Volatile organic HAP emissions shall be calculated by multiplying the usage of each resin and solvent by the emission factor that is appropriate for the percent volatiles or monomer content, and the method of application, and summing the emissions for all resins and solvents. Emission factors shall be obtained from a reference approved by IDEM, OAQ.

The emission factors approved for use by IDEM, OAQ for resin and gelcoat operations shall be taken from the following reference: "Unified Emission Factors for Open Molding of Composites," Composites Fabricators Association, April 1999, with the exception of the emission factors for controlled spray application. This reference is included with this permit. The emission factors for all other VOC emitting compounds shall be 100% of the input volatile organic compounds.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.
Deviation has been reported on: _____

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

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Office of Air Quality
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Global Composites, Inc.
Source Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Mailing Address: 58190 County Road 3 South, Elkhart, Indiana 46517
Part 70 Permit No.: T 039-7574-00392

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

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

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.

Deviation has been reported on: ______________________

Submitted by: ______________________

Title/Position: ______________________

Signature: ______________________

Date: ______________________

Phone: ______________________

Attach a signed certification to complete this report.