

Gary Beck
Global Glass Inc.
28967 U.S. 33 West
Elkhart, IN 46516

Re: 039-11798-00493
Amendment to CP 039-9601-00493

Dear Mr. Beck:

Global Glass Inc. was issued a construction permit on August 28, 1998 for additional emission units at a fiberglass mold and part manufacturing plant located at 58190 County Road 3, Elkhart, IN 46517. A letter requesting a revision was received on January 24, 1999. The request was made to change the number of spray guns and remove the manufacturer from consideration in the original application. Page 2 of the permit is hereby amended as follows:

- (a) One (1) custom gel coat booth, identified as SV001, equipped with ~~four (4)~~ high volume, low pressure spray guns and dry filters for overspray control, capacity: 15 custom fiberglass parts per hour.
- (b) One (1) custom lamination booth, identified as SV002, equipped with ~~three (3)~~ high volume, low pressure spray guns and dry filters for overspray control, capacity: 15 custom fiberglass parts per hour.

The spray gun manufacturers were not stated anywhere in the construction permit, and are not required to be a specific brand by the permit. Therefore, no revision of the permit is needed to accommodate that change.

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

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

ARD
cc: File - Elkhart County
U.S. EPA, Region V
Elkhart County Health Department
IDEM - Northern Regional Office
Air Compliance Section Inspector - Greg Wingstrom
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

**CONSTRUCTION PERMIT
OFFICE OF AIR MANAGEMENT**

**Global Glass, Inc.
58190 County Road 3
Elkhart, Indiana 46517**

is hereby authorized to construct equipment, which is a modification to an existing fiberglass mold and parts, including running boards for trucks and vans, manufacturing source. The equipment is listed on Page 2 of this permit.

This permit is issued to the above mentioned company (herein known as the Permittee) under the provisions of 326 IAC 2-1 and 40 CFR 52.780, with conditions listed on the attached pages.

Construction Permit No.: CP 039-9601-00493	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

- (a) One (1) custom gel coat booth, identified as SV001, equipped with high volume, low pressure spray guns and dry filters for overspray control, capacity: 15 custom fiberglass parts per hour.
- (b) One (1) custom lamination booth, identified as SV002, equipped with high volume, low pressure spray guns and dry filters for overspray control, capacity: 15 custom fiberglass parts per hour.
- (c) One (1) grinding booth, identified as SV003, equipped with dry filters and the option of a water wash system for controls, capacity: 1,525 pounds per hour.
- (d) One (1) gel coat reciprocator flat panel facility, identified as SV004, equipped with one (1) air-assisted spray gun and dry filters as overspray control, capacity: 5 flat panels per hour.
- (e) One (1) resin reciprocator flat panel facility, identified as SV005, equipped with one (1) air-assisted spray gun and dry filters as overspray control, capacity: 5 flat panels per hour.
- (f) One (1) woodworking department equipped with one (1) ten (10) inch table saw, one (1) ten (10) inch ban saw, one (1) ten (10) inch chop saw, one (1) pin router, one (1) small drum bag collection system for particulate control, maximum capacity: 168 pounds of wood per hour.
- (g) One (1) 52" wide belt sander for the flat panel operation, equipped with a 4-bag dust collection system for particulate control, maximum capacity: 250 pounds per hour.
- (h) Two (2) natural gas-fired air makeup units, maximum heat input capacity: 3.08 million British thermal units per hour, each.
- (i) Twenty-four (24) natural gas-fired forced air heaters, maximum heat input capacity: 0.1 million British thermal units per hour, each.
- (j) Four (4) fixed-roof, above-ground resin tanks, capacity: 6,000 gallons, each.

Construction Conditions

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this permit. Prior to any proposed change in construction which may affect allowable emissions, the change must be approved by the Office of Air Management (OAM).
2. This permit to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

Effective Date of the Permit

3. Pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1-9(b)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. Notwithstanding Construction Condition No. 6, all requirements and conditions of this construction permit shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules).

First Time Operation Permit

6. This document shall also become a first-time operation permit pursuant to 326 IAC 2-1-4 (Operating Permits) when, prior to start of operation, the following requirements are met:
 - (a) The attached affidavit of construction shall be submitted to the Office of Air Management (OAM), Permit Administration & Development Section, verifying that the facilities were constructed as proposed in the application. The facilities covered in the Construction Permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM.
 - (b) If construction is completed in phases; i.e., the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as stack testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.
 - (c) The Permittee shall receive an Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section and attach it to this document.
 - (d) The operation permit will be subject to annual operating permit fees pursuant to 326 IAC 2-7-19 (Fees).
 - (e) The Permittee has submitted their Part 70 (T-039-7574-00208) application on December 12, 1996 for the existing source. The equipment being reviewed under this permit shall be incorporated in the submitted Part 70 application.
7. When the facilities are constructed and placed into operation the following operation conditions shall be met:

Operation Conditions

General Operation Conditions

1. The data and information supplied in the application shall be considered part of this permit. Prior to any change in the operation which may result in an increase in allowable emissions exceeding those specified in 326 IAC 2-1-1 (Construction and Operating Permit Requirements), the change must be approved by the Office of Air Management (OAM).
2. The Permittee shall comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder.

Preventive Maintenance Plan

3. Pursuant to 326 IAC 1-6-3 (Preventive Maintenance Plans), the Permittee shall prepare and maintain a preventive maintenance plan, including the following information:
 - (a) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices.
 - (b) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions.
 - (c) Identification of the replacement parts which will be maintained in inventory for quick replacement.

The preventive maintenance plan shall be submitted to IDEM, OAM upon request and shall be subject to review and approval.

Transfer of Permit

4. Pursuant to 326 IAC 2-1-6 (Transfer of Permits):
 - (a) In the event that ownership of these fiberglass recreational vehicle parts manufacturing facilities is changed, the Permittee shall notify OAM, Permit Branch, within thirty (30) days of the change. Notification shall include the date or proposed date of said change.
 - (b) The written notification shall be sufficient to transfer the permit from the current owner to the new owner.
 - (c) The OAM shall reserve the right to issue a new permit.

Permit Revocation

5. Pursuant to 326 IAC 2-1-9(a)(Revocation of Permits), this permit to construct and operate may be revoked for any of the following causes:
 - (a) Violation of any conditions of this permit.
 - (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
 - (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 permit shall not require revocation of this permit.

- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of 326 IAC 2-1 (Permit Review Rules).

Availability of Permit

6. Pursuant to 326 IAC 2-1-3(l), the Permittee shall maintain the applicable permit on the premises of this source and shall make this permit available for inspection by the IDEM, or other public official having jurisdiction.

Malfunction Condition

7. Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):
- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) or appointed representative upon request.
 - (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAM, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
 - (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
 - (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

Annual Emission Reporting

8. Pursuant to 326 IAC 2-6 (Emission Reporting), the Permittee must annually submit an emission statement for the source. This statement must be received by April 15 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. A copy of this rule is enclosed. The annual statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

The annual emission statement covers the twelve (12) consecutive month time period starting December 1 and ending November 30.

9. Opacity Limitations
Pursuant to 326 IAC 5-1-2 (Visible Emission Limitations) except as provided in 326 IAC 5-1-3 (Temporary Exemptions), the visible emissions shall meet the following:
- (a) visible emissions shall not exceed an average of 40 percent opacity in 24 consecutive readings.
 - (b) visible emissions shall not exceed 60 percent opacity for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period.
10. Particulate Matter (PM) Limitation
- (a) Pursuant to 326 IAC 6-3-2(c) (Process Operations), the dry filters shall be in operation at all times when the grinding operations are taking place and shall not exceed the allowable particulate matter (PM) emission rate of 3.42 pounds per hour. Daily inspections shall be performed to verify the placement, integrity and particulate loading of the dry filters. Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.
 - (b) Pursuant to 326 IAC 6-3-2(c) (Process Operations), the small drum bag collection system shall be in operation at all times when the woodworking operations are taking place and shall not exceed the allowable particulate matter (PM) emission rate of 0.780 pounds per hour. Inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.
 - (c) Pursuant to 326 IAC 6-3-2 (Process Operations):
 - (1) The dry filters for particulate matter overspray control shall be in operation at all times when the custom resin booth, custom gel coat booth, gel coat reciprocator flat panel facility, and resin reciprocator flat panel facility are in operation.
 - (2) The custom resin booth, custom gel coat booth, gel coat reciprocator flat panel facility, and resin reciprocator flat panel facility shall each comply with 326 IAC 6-3-2(c) using the following equation:

Interpolation and extrapolation 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:

$$E = 4.10P^{0.67}$$
 where: E = rate of emission in pounds per hour, and
P = process weight in tons per hour.
 - (3) Weekly inspections shall be performed to verify the placement, integrity and particulate loading of the dry filters. To monitor the performance of the dry filters, daily observations of the overspray shall be made while one or more of the spray facilities is in operation.
 - (4) Monthly inspections shall be performed of the particulate emissions from the exhaust stacks/vents and the presence of overspray on the rooftops and the nearby ground.
 - (5) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

- (d) Pursuant to 326 IAC 6-3-2(c) (Process Operations), the 4-bag dust collection system shall be in operation at all times when the 52" wide belt sander is in operation and shall not exceed the allowable particulate matter (PM) emission rate of 1.02 pounds per hour. Inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.
- (e) These limitations will also make the requirements of 326 IAC 2-2, PSD, not applicable.

Visible Emission Notations

11. Visible emission notations at the point of exhaust from small drum bag collection system and 4-bag dust collection system shall be performed once per week when woodworking is in operation. A trained employee will record whether emissions are normal or abnormal.
- (a) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, 80 percent of the time the process is in operation, not counting start up or shut down time.
 - (b) In the case of batch or discontinuous operation, readings shall be taken during that part of the operation specified in the facility's specific condition prescribing visible emissions.
 - (c) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal and abnormal visible emissions for that specific process.
 - (d) The Preventive Maintenance Plan for this facility shall contain troubleshooting contingency and corrective actions for when an abnormal emission is observed.

Fugitive Dust Emissions

12. Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions), the Permittee shall be in violation of 326 IAC 6-4 (Fugitive Dust Emissions) if any of the criteria specified in 326 IAC 6-4-2(1) through (4) are violated. Observations of visible emissions crossing the property line of the source at or near ground level must be made by a qualified representative of IDEM. [326 IAC 6-4-5(c)].

BACT Condition, Minor PSD Source Limit, and New Source Toxics Control

13. (a) Pursuant to 326 IAC 8-1-6 (New Facilities; general reduction requirements), the new gel coat and resin reciprocator flat panel facilities are subject to the requirements of 326 IAC 8-1-6, which requires that the Best Available Control Technology (BACT) be used to control VOC emissions. BACT for these new facilities shall be satisfied by the requirements of 326 IAC 2-1-3.4 (New Source Toxics Control) specified in part (b) of this condition.
- (b) Pursuant to 326 IAC 2-1-3.4 (New Source Toxics Control), Maximum Achievable Control Technology (MACT) for the gel coat and resin reciprocator flat panel facilities shall be the following:
- (1) Use of resins and gel coats shall be limited such that the potential to emit (PTE) volatile organic HAP from gel coat and resin usage on the new flat panel manufacturing operation shall be less than 100 tons per twelve (12) consecutive months. Compliance with this limit shall be determined based upon the following criteria:

- (i) Monthly usage by weight, monomer content, method of application, and other emission reduction techniques for each gel coat and resin shall be recorded. Volatile organic HAP emissions shall be calculated by multiplying the usage of each gel coat and resin by the emission factor that is appropriate for the monomer content, method of application, and other emission reduction techniques for each gel coat and resin, and summing the emissions for all gel coats and resins. Emission factors shall be obtained from the reference approved by IDEM, OAM.
- (ii) Until such time that new emissions information is made available by U.S. EPA in its AP-42 document or other U.S. EPA- approved form, emission factors shall be taken from the following reference approved by IDEM, OAM: "CFA Emission Models for the Reinforced Plastics Industries," Composites Fabricators Association, February 28, 1998, and shall not exceed 32.3 percent (32.3%) styrene emitted per weight of gel coat applied and 17.7 percent (17.7%) styrene emitted per weight of resin applied. For the purposes of these emission calculation, monomer in resins and gel coats that is not styrene shall be considered as styrene on an equivalent weight basis.

During the first twelve (12) months of operation, input VOC shall be limited such that the total input as determined according to the criteria in (i) and (ii) above divided by the accumulated months of operation shall not exceed the limit specified.

- (2) Use of resins and gel coats, including filled resins, tooling resins and tooling gel coats, shall be limited to a maximum monomer content of 35 percent (35%) by weight for resins, 37 percent (37%) by weight for gel coats, or their equivalent on an emissions mass basis. Monomer contents shall be calculated on a neat basis, i.e., excluding any filler or pigment. Compliance with these monomer content limits shall be demonstrated on a monthly basis.

The use of resins with styrene contents lower than 35 percent (35%), or gel coats with styrene contents lower than 37 percent (37%) and/or additional emission reduction techniques approved by IDEM, OAM, may be used to offset the use of resins with styrene contents higher than 35 percent (35%), and/or gel coats with styrene contents higher than 37 percent (37%). Examples of other techniques include, but are not limited to, lower monomer content resins and gel coats, closed molding, vapor suppression, vacuum bagging, controlled spraying, or installing a control device with an overall reduction efficiency of 95%. This is allowed to meet the monomer content limits for resins and gel coats, and shall be calculated on an equivalent emissions mass basis as shown below:

(Emissions from >35% resin or >37% gel coat) - (Emissions from 35% resin or 37% gel coat) # (Emissions from 35% resin or 37% gel coat) - (Emissions from <35% resin or <37% gel coat).

Where: Emissions, lb or ton = M (Mass of resin or gel coat used, lb or ton) * EF (Monomer emission factor for resin or gel coat used, %);

EF, Monomer emission factor = emission factor expressed as % monomer emitted per weight of resin applied, which is indicated by the monomer content method of application, and other emission reduction techniques for each resin or gel coat used.

- (3) Flow coaters, a type of non-spray application technology of a design and specifications to be approved by IDEM, OAM, shall be used in the following manner:
- (i) to apply 50 percent (50%) of all neat resins within six (6) months of commencement of operation.
 - (ii) to apply 100 percent (100%) of all neat resins used within one (1) year of commencement of operation.

If, after one (1) year of operation, it is not possible to apply a portion of neat resins with flow coaters, equivalent emission reductions must be obtained via the use of other techniques, such as those listed in (2) of this condition, elsewhere in the process.

- (4) Optimized spray techniques according to a manner approved by IDEM shall be used for gel coats and filled resins (where fillers are required for corrosion or fire retardant purposes) at all times. Optimized spray techniques include, but are not limited to, the use of airless, air-assisted airless, high volume low pressure (HVLP), or other spray applicators demonstrated to the satisfaction of IDEM, OAM, to be equivalent to the spray applicators listed above.

HVLP spray is the technology used to apply material to substrate by means of application equipment that operates between one-tenth (0.1) and ten (10) pounds per square inch gauge (psig) air pressure measured dynamically at the center of the air cap and at the air horns of the spray system.

- (5) The listed work practices shall be followed:
- (i) To the extent possible, a non-VOC, non-HAP solvent shall be used for cleanup.
 - (ii) Cleanup solvent containers used to transport solvent from drums to work stations shall be closed containers having soft gasketed spring-loaded closures.
 - (iii) Cleanup rags saturated with solvent shall be stored, transported, and disposed of in containers that are closed tightly.
 - (iv) The spray guns used shall be the type that can be cleaned without the need for spraying the solvent into the air.
 - (v) All solvent sprayed during cleanup or resin changes shall be directed into containers. Such containers shall be closed as soon as solvent spraying is complete and the waste solvent shall be disposed of in such a manner that evaporation is minimized.
 - (vi) Storage containers used to store VOC- and/or HAP- containing materials shall be kept covered when not in use.

- (6) Roll-out and placement of wood reinforcing panels and sealing strips shall be performed immediately after the resin application.
- (7) The Permittee has demonstrated to the satisfaction of IDEM, OAM that the following techniques inherent in the design of the flat panel manufacturing operation reduce emissions and can be considered equivalent to meeting the requirements of Conditions 13(b) (3) and (4) listed above:
 - (i) Overhead mechanized spray reciprocator to apply all gel coats and resins, which minimizes overspray off the mold through proper placement of spray gun stops and spray gun pressure calibration according to guidelines published by IDEM, OAM. The spray gun type shall be high volume low pressure (HVLP) or the equivalent.
 - (ii) Placement of wood panels and minimal period of roll-out immediately after the last resin application.

Hence, the use of the techniques listed above is hereby approved by IDEM, OAM as alternatives to meeting the requirements of Conditions 13(b) (3) and (4) provided the techniques are employed from the startup of operation. All other conditions stated in this permit remain in effect.

Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs)

14. Compliance with the monomer content and usage limitations contained in Operation Condition 13 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the manufacturer. However, IDEM, OAM, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.
15. PSD Minor Source
The input VOC to the existing facilities (which include the custom gel coat and resin lamination booths and all other operations in Plants 1, 2, 3, and 4, excluding the new gel coat and resin reciprocator flat panel facilities) shall be limited such that the emissions of VOC do not exceed 249 tons per twelve (12) consecutive months.

Record keeping and Reporting Requirements

16. (a) A log of information necessary to document compliance with operation permit Condition No. 13 shall be maintained. These records shall be taken monthly and shall include the following:
 - (1) The usage by weight and monomer content of each resin and gel coat. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used;
 - (2) Coating, thinner, clean up solvent, and all other VOC emitting materials usage, and material safety data sheets (MSDS);
 - (3) A log of dates of use;
 - (4) Total VOC usage for each month;
 - (5) Method of application and other emission reduction techniques for each resin and gel coat used; and

- (6) The calculated total VOC and HAP emissions from resin and gel coat use for each month.

Records shall be kept for at least the past 36-month period and made available upon request to the Office of Air Management (OAM).

- (b) A quarterly summary shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within 30 days after the end of the quarter being reported in the format attached. These reports shall include the volatile organic compounds (VOC) emissions from the entire source, and volatile organic hazardous air pollutant (HAP) emissions from the new flat panel manufacturing operation.

- (c) Unless otherwise specified in this permit, any notice, report, or other submissions required by this permit shall be timely if:

- (1) Delivered by U.S. mail and postmarked on or before the date it is due; or
(2) Delivered by any other method if it is received and stamped by IDEM, OAM, on or before the date it is due.

- (d) All instances of deviations from any requirements of this permit must be clearly identified in such reports.

- (e) Any corrective actions taken as a result of an exceedance of a limit, an excursion from the parametric values, or a malfunction that may have caused excess emissions must be clearly identified in such reports.

- (f) The first report shall cover the period commencing the postmarked submission date of the Affidavit of Construction.

Open Burning

17. The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6.

Emergency Reduction Plans

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on December 12, 1996.
(b) If the ERP is disapproved by IDEM, OAM, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP. If after this time, the Permittee does not submit an approvable ERP, IDEM, OAM, shall supply such a plan.
(c) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

- (d) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (e) Upon direct notification by IDEM, OAM, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate level. [326 IAC 1-5-3]

MALFUNCTION REPORT

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
FAX NUMBER - 317 233-5967**

This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE: IT HAS POTENTIAL TO EMIT 25 LBS/HR PARTICULATES ? _____, 100 LBS/HR VOC ? _____, 100 LBS/HR SULFUR DIOXIDE ? _____ OR 2000 LBS/HR OF ANY OTHER POLLUTANT ? _____ EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION _____.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC _____ OR, PERMIT CONDITION # _____ AND/OR PERMIT LIMIT OF _____

THIS INCIDENT MEETS THE DEFINITION OF 'MALFUNCTION' AS LISTED ON REVERSE SIDE ? Y N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ? Y N

COMPANY: _____ Global Glass, Inc. _____ PHONE NO. _____ 219 - 294 - 7681 _____

LOCATION: (CITY AND COUNTY) _____ Elkhart / Elkhart _____

PERMIT NO. _____ AFS PLANT ID: _____ 039 - 9601 _____ AFS POINT ID: _____ 039 - 00493 _____ INSP: _____

CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: _____

DATE/TIME MALFUNCTION STARTED: ____/____/19____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE ____/____/19____ _____ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER: _____

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

MEASURES TAKEN TO MINIMIZE EMISSIONS: _____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES: _____

CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: _____

CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: _____

INTERIM CONTROL MEASURES: (IF APPLICABLE) _____

MALFUNCTION REPORTED BY: _____ TITLE: _____
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: _____ DATE: _____ TIME: _____

Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

326 IAC 1-6-1 Applicability of rule

Sec. 1. The requirements of this rule (326 IAC 1-6) shall apply to the owner or operator of any facility which has the potential to emit twenty-five (25) pounds per hour of particulates, one hundred (100) pounds per hour of volatile organic compounds or SO₂, or two thousand (2,000) pounds per hour of any other pollutant; or to the owner or operator of any facility with emission control equipment which suffers a malfunction that causes emissions in excess of the applicable limitation.

326 IAC 1-2-39 "Malfunction" definition

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. (Air Pollution Control Board; 326 IAC 1-2-39; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2373)

***Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION**

Quarterly Report

Source Name: Global Glass, Inc.
Source Address: 58190 County Road 3, Elkhart, Indiana 46517
Mailing Address: 28967 US 33 West, Elkhart, Indiana 46516
Permit No.: CP 039-9601-00493
Facility: Entire Source, Plants 1, 2, 3 and 4, excluding Flat Panel operation at Plant 4
Parameter: VOC emissions
Limit: 249 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
Month 1			
Month 2			
Month 3			

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION**

Quarterly Report

Source Name: Global Glass, Inc.
Source Address: 58190 County Road 3, Elkhart, Indiana 46517
Mailing Address: 28967 US 33 West, Elkhart, Indiana 46516
Permit No.: CP 039-9601-00493
Facility: Flat Panel Manufacturing Operation
Parameter: Volatile Organic HAP emissions
Limit: 100 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
Month 1			
Month 2			
Month 3			

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by:

Title / Position: _____

Signature: _____

Date: _____

Phone: _____