INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: April 06, 2006

RE: Gemtron Corporation / 083-22630-00012

FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

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

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, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-AM.dot 03/23/06

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Mr. Curtis Johnson
Gemtron Corporation
2000 Chestnut Street
Vincennes, IN 47591

April 06, 2006

Re: 083-22360-00012
Fifth Notice-Only Change to
MSOP 083-13656-00012

Dear Mr. Johnson:

Gemtron Corporation was issued a Minor Source Operating Permit (MSOP) on June 13, 2001 for a glass tempering and coating source located at 2000 Chestnut Street, Vincennes, IN 47591. A letter notifying the Office of Air Quality of the following was received on December 6, 2005.

Gemtron Corporation will be constructing a laser cutter located at the existing CERAN processing line, identified as EU-03. The potential to emit PM and PM_{10}, as shown on page 1 of Appendix A, is 2.95 tons per year. The potential to emit PM from the entire source, after this revision, is 9.25 tons per year, and the potential to emit PM_{10} from the entire source, after this revision, is 9.36 tons per year. Therefore, this source is still not subject to the requirements of the Part 70 Operating Permit program.

The new laser cutter shall comply with the following applicable limits:

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

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from the one (1) laser cutter identified as CERAN Laser, shall not exceed 1.83 pounds per hour when operating at a process weight rate of 600 pounds per hour (0.300 tons per hour).

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

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

The uncontrolled potential to emit particulate from this new laser cutter is 0.67 pounds per hour, which is less than the allowable of 1.83 pounds per hour. Therefore, the new laser cutter is in compliance with this rule and the baghouse does not have to be in operation at all times the laser cutter is in use.

The changes to the permit are as follows with deleted language as ~~strikeouts~~ and new language **bolded.**

Change 1:

The new laser cutter has been added to Sections A.2(d) and D.1 as follows:

A.2 Emissions Units and Pollution Control Equipment Summary

This stationary source is approved to operate the following emissions units and pollution control devices:

(d) One (1) CERAN processing line, identified as EU-03, exhausting to Stacks CO-1B through CO-9B and Stacks C0-1C through C0-5C, installed in November 1993, capacity: 4,193 pounds of glass per hour, including the following equipment:

(1) Two (2) silk screening machines, capacity: 2.50 pounds of paint per hour, each.

(2) Three (3) electric tempering furnaces.

(3) Three (3) cooling conveyors.

(4) One (1) laser cutter, identified as CERAN Laser, equipped with a baghouse for particulate control, identified as EU-LAS, exhausting to Stack EU-LAS, capacity: 600 pounds of glass per hour.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(d) One (1) CERAN processing line, identified as EU-03, exhausting to Stacks CO-1B through CO-9B and Stacks C0-1C through C0-5C, installed in November 1993, capacity: 4,193 pounds of glass per hour, including the following equipment:

(1) Two (2) silk screening machines, capacity: 2.50 pounds of paint per hour, each.

(2) Three (3) electric tempering furnaces.

(3) Three (3) cooling conveyors.

(4) One (1) laser cutter, identified as CERAN Laser, equipped with a baghouse for particulate control, identified as EU-LAS, exhausting to Stack EU-LAS, capacity: 600 pounds of glass per hour.

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

Change 2:

The requirements of 326 IAC 6-3-2 are applicable to the new laser cutter. Therefore, Condition D.1.1 has been revised as follows to add the allowable emissions pursuant to this rule:

D.1.1 Particulate ~~Matter (PM)~~ [326 IAC 6-3-2(c)]

(a) Pursuant to 326 IAC 6-3 (~~Process Operations~~ **Particulate Emission Limitations for Manufacturing Processes**), the allowable ~~PM~~ **particulate** emission rate from the one (1) glass edge grinding operation, identified as EU-10, shall not exceed 0.722 pounds per hour when operating at a process weight rate of 150 pounds per hour. The particle fiber filter is a voluntary control device.

(b) The allowable ~~PM~~ **particulate** emission rate from the four (4) belt sanders, associated with EU-17, shall not exceed 1.45 pounds per hour, total, when operating at a process weight rate of 425 pounds per hour**.** ~~, using the following equation:~~

(c) The allowable particulate emission rate from the one (1) laser cutter, identified as CERAN Laser associated with EU-03, shall not exceed 1.83 pounds per hour, when operating at a process weight rate of 600 pounds per hour.

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

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

Change 3:

The last four digits (2251) have been added to the IDEM, OAQ ZIP code throughout the permit.

The potential to emit PM_{10} from the addition of the one (1) laser cutter is less than five (5) tons per year. Therefore, pursuant to the provisions of 326 IAC 2-6.1-6(d), the permit is hereby revised through a notice only change.

All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire approval has been printed with the revised pages.

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 Craig J. Friederich, c/o OAQ, 100 North Senate Avenue, Indianapolis, Indiana 46204-2251, at 631-691-3395 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Original signed by
Kathy Moore, Section Chief
Permits Branch
Office of Air Quality

CJF/MES
Attachments
cc: File - Knox County
U.S. EPA, Region V
Knox County Health Department
Air Compliance Section Inspector – Derrick Ohning
IDEM – Southwest Regional Office
Administrative and Development Section
Technical Support and Modeling - Michele Boner

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MINOR SOURCE OPERATING PERMIT
OFFICE OF AIR QUALITY

Gemtron Corporation
2000 Chestnut Street
Vincennes, Indiana 47591

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

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 083-13656-00012	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: June 13, 2001 Expiration Date: June 13, 2006

First Notice Only Change 083-14672-00012, issued on August 21, 2001
First Minor Permit Revision 083-15882-00012, issued on November 18, 2002
Second Notice Only Change 083-17490-00012, issued on August 13, 2003
Third Notice Only Change 083-18371-00012, issued on December 31, 2003
Fourth Notice Only Change 083-18687-00012, issued on August 1, 2005

Fifth Notice Only Change 083-22360-00012	Conditions Affected: A.2, D.1.1 Sections Affected: D.1
Issued by: Original signed by Kathy Moore, Section Chief Permits Branch Office of Air Quality	Issuance Date: April 06, 2006 Expiration Date: June 13, 2006

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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 and A.2 are 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 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary glass tempering and coating source.

Authorized Individual:	Robert Glenn
Source Address:	2000 Chestnut Street, Vincennes, Indiana 47591
Mailing Address:	2000 Chestnut Street, Vincennes, Indiana 47591
Phone Number:	812-882-2680
SIC Code:	3231
County Location:	Knox
County Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Minor Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act

A.2 Emissions Units and Pollution Control Equipment Summary

This stationary source is approved to operate the following emissions units and pollution control devices:

(a) Two (2) heat treatment lines 3 & 4, identified as EU-02, exhausting to Stack DO-1C and Stack DO-2C, installed in January 1988, capacity: 3,049 pounds of glass per hour, total, including the following equipment:

(1) Two (2) silk screening machines, capacity: 0.81 pounds of paint per hour, each.

(2) One (1) electric tempering furnace, equipped with one (1) tank of SO_2, exhausted to stack SO_2-02, capacity: 200 pounds of SO_2.

(3) One (1) air quenching operation.

(b) Two (2) heat treatment lines 1 & 2, identified as EU-01, installed in February 1991, capacity: 4,854 pounds of glass per hour total, including the following equipment:

(1) Three (3) silk screening machines, capacity: 1.35 pounds of paint per hour, each.

(2) One (1) glass tech electric tempering furnace, equipped with one (1) tank of SO_2, exhausted to stack SO_2-01, capacity: 200 pounds of SO_2.

(3) One (1) air quenching operation.

(c) One (1) heat treatment line 5, identified as EU-13, capacity: 3,050 pounds of glass per hour, total, including the following equipment:

(1) One (1) silk screening machine, capacity: 0.81 pounds of paint per hour

(2) Two (2) glass edging units

(d) One (1) CERAN processing line, identified as EU-03, exhausting to Stacks CO-1B through CO-9B and Stacks C0-1C through C0-5C, installed in November 1993, capacity: 4,193 pounds of glass per hour, including the following equipment:

(1) Two (2) silk screening machines, capacity: 2.50 pounds of paint per hour, each.

(2) Three (3) electric tempering furnaces.

(3) Three (3) cooling conveyors.

(4) One (1) laser cutter, identified as CERAN Laser, equipped with a baghouse for particulate control, identified as EU-LAS, exhausting to Stack EU-LAS, capacity: 600 pounds of glass per hour.

(e) One (1) spray cleaning operation, identified as EU-04, equipped with solids filters, exhausting to stack XY-1C, installed in February 1991, capacity: 1.5 gallons of solvent per hour, consisting of the following equipment:

(1) One (1) solvent recovery still.

(2) One (1) wash booth #1 used for air grinding.

(3) One (1) wash booth #2 used for silk screen and paint removal, capacity: 5.49 pounds of solvent per hour.

(4) One (1) automatic screen washer, with a capacity of 55 gallons of solvent, and a solvent usage rate of 0.0445 gallons per hour.

(f) One (1) heavy tempering line (HT-6), known as EU-14, exhausted through stack W-01, to be installed, capacity: 893 pounds of glass per hour total, including the following equipment:

(1) Two (2) silk screening machines, capacity: 2.45 pounds of paint per hour, each.

(2) One (1) slitting unit.

(3) Three (3) small edging units.

(4) Two (2) small washer units.

(5) One (1) Rhonehouse 42 electric drying oven, equipped with one (1) tank of SO_2, exhausted to stack SO_2-14, capacity: 200 pounds of SO_2.

(6) One (1) whopper machine, used to cut circles in the glass.

(7) One (1) nubber operation, which is a wet glass edging operation.

(g) One (1) heavy tempering line (HT-7), known as EU-15, exhausted through stack W-01, to be installed, capacity: 893 pounds of glass per hour total, including the following equipment:

(1) One (1) silk screening machine, capacity: 2.45 pounds of paint per hour.

(2) One (1) slitting unit.

(3) Two (2) edging units.

(4) One (1) washer unit.

(5) One (1) stripcutter unit, used to cut the glass.

(6) One (1) nubber operation, which is a wet glass edging operation.

(h) One (1) circle glass line (F-8), known as EU-16, exhausted through stack H-02, to be installed, capacity: 488 pounds of glass per hour, including the following equipment:

(1) One (1) silk screening machine, capacity: 1.34 pounds of paint per hour.

(2) One (1) slitting unit.

(3) One (1) edging unit.

(4) One (1) washer unit.

(5) One (1) whopper machine, used to cut circles in the glass.

(i) One (1) small parts line (F-9), identified as EU-17, exhausted through stacks W-01 or H-02, to be installed, capacity: 425 pounds of glass per hour, including the following equipment:

(1) One (1) silk screening machine, capacity: 1.34 pounds of paint per hour.

(2) Two (2) edging units.

(3) One (1) washer unit.

(4) One (1) nubber operation, which is a wet glass edging operation.

(5) One (1) Intermac edger machine, which is a wet glass edging operation.

(6) Two (2) vertical edger units.

(7) One (1) small part edger.

(8) One (1) circle cutter.

(9) Two (2) drills, which are a wet glass drilling operation.

(10) Four (4) belt sanders.

(11) One (1) 2-inch edger, which is a wet glass edging operation.

(j) One (1) CERAN new furnace line, identified as EU-18, exhausted through Stacks #1 through #3, installed in 2004, capacity: 1,398 pounds of glass per hour, including the following equipment:

(1) One (1) electric tempering furnace.

(2) One (1) cooling conveyor.

(k) Sixteen (16) plastic molding machines, identified as EU-05, installed in 1994 - 1995, capacity: 32.15 pounds of polypropylene per hour, each.

(l) One (1) glass edge grinding operation, identified as EU-10, equipped with a particulate fiber filter for PM control (the control device does not have to be in operation at all times),

exhausted to Stack WR-01, installed in 1991, and relocated within the source in 2002, capacity: 0.274 pounds of glass per hour.

(m) One (1) CERAN strip wash operation, identified as EU-12, exhausting to Stack WV-1D, installed in 1995, capacity: 60 glass panels per hour.

(n) Two (2) emergency generators, identified as EU-06, firing diesel fuel, exhausting to stacks EP-1C and EP-2C, installed in 1991 - 1998, rated at: 0.5 million British thermal units per hour, total, operating at 500 hours per year or less, each.

(o) Forty-nine (49) building work natural gas-fired space heaters, identified as EU-07, installed between 1988 - 1998, rated at: 4.785 million British thermal units per hour, total.

(p) Four (4) natural gas-fired space heaters, exhausting to Stacks GF-1D, GF-2D, GF-3D and GF-1H, rated at 0.45 million British thermal units per hour, total.

(q) One (1) maintenance degreaser, identified as EU-19, with a potential to emit VOC of 0.139 tons per year.

(r) One maintenance metal grinding operation, identified as EU-09, with a potential to emit PM of 0.06 tons per year.

(s) Maintenance welding operations, identified as EU-08, consisting of the following:

(1) Eight (8) Metal Inert Gas (MIG) welding stations, capacity: 0.05 pounds of wire per hour, each.

(2) Four (4) Stick welding stations, capacity: 0.20 pounds of wire per hour, each.

(3) Two (2) Tungsten Inert Gas (TIG) welding stations, capacity: 0.10 pounds of wire per hour, each.

(t) Four (4) refrigerator heat stamping machines, including one (1) refrigerator shelf stamping decal removal area, capacity: 110 gallons of Ethyl Acetate per year.

SECTION B GENERAL CONDITIONS

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1.1 AND 40 CFR 52.780, WITH CONDITIONS LISTED BELOW.

B.1 Permit No Defense [IC 13]

This permit to operate 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.

B.2 Definitions

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, any applicable definitions found in IC 13-11, 326 IAC 1-2, and 326 IAC 2-1.1-1 shall prevail.

B.3 Effective Date of the Permit [IC13-15-5-3]

Pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.

B.4 Modification to Permit [326 IAC 2]

All requirements and conditions of this operating permit shall remain in effect unless modified in a manner consistent with procedures established for modifications of operating permits pursuant to 326 IAC 2 (Permit Review Rules).

B.5 Minor Source Operating Permit [326 IAC 2-6.1]

(a) This document shall also become a minor source operating permit pursuant to 326 IAC 2-6.1.

(b) The operation permit will be subject to annual operating permit fees pursuant to 326 IAC 2-1.1-7(Fees).

(c) Pursuant to 326 IAC 2-6.1-7, the Permittee shall apply for an operation permit renewal at least ninety (90) days prior to the expiration date established in this permit. If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied. The operation permit issued shall contain as a minimum the conditions in Section C and Section D of this permit.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

C.1 PSD Minor Source Status [326 IAC 2-2] [40 CFR 52.21]

(a) The total source potential to emit of all criteria pollutants is less than two hundred fifty (250) tons per year. Therefore the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 will not apply.

(b) Any change or modification which may increase potential to emit PM_{10}, SO_2, VOC, NO_X or CO to 100 tons per year from this source, shall cause this source to be considered a major source under 326 IAC 2-7, and shall require approval from IDEM, OAQ prior to making the change.

C.2 Hazardous Air Pollutants (HAPs) [326 IAC 2-7]

Any change or modification which may increase potential to emit to ten (10) tons per year of any single hazardous air pollutant, twenty-five (25) tons per year of any combination of hazardous air pollutants from this source, shall cause this source to be considered a major source under Part 70 Permit Program, 326 IAC 2-7, and shall require approval from IDEM, OAQ prior to making the change.

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

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) after issuance of this permit, including the following information on each emissions unit:

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

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

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

(b) The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that failure to implement the Preventive Maintenance Plan does not cause or contribute to a violation of any limitation on emissions or potential to emit.

(c) PMP's shall be submitted to IDEM, OAQ, upon request and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its Preventive Maintenance Plan whenever lack of proper maintenance causes or contributes to any violation.

C.4 Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]

(a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

Any such application should be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1.

(c) The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

C.5 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)]

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

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

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

C.6 Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]

Pursuant to 326 IAC 2-6.1-6(d)(3):

(a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAQ, Permits Branch, within thirty (30) days of the change.

(b) The written notification shall be sufficient to transfer the permit to the new owner by a notice-only change pursuant to 326 IAC 2-6.1-6(d)(3).

(c) IDEM, OAQ, shall issue a revised permit.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

C.7 Permit Revocation [326 IAC 2-1-9]

Pursuant to 326 IAC 2-1-9(a)(Revocation of Permits), this permit to 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 this article.

C.8 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 permit:

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

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

C.9 Fugitive Dust Emissions [326 IAC 6-4]

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

Testing Requirements

C.10 Performance Testing [326 IAC 3-6] [326 IAC 2-1.1-11]

(a) Compliance testing on new emissions units shall be conducted within sixty (60) days after achieving maximum production rate, but no later than one hundred eighty (180) days after initial start-up, if specified in Section D of this approval. All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The Permittee shall submit a notice of the actual test date to the above address so that it is received at least two weeks prior to the test date.

(b) All test reports must be received by IDEM, OAQ, within forty-five (45) days after the completion of the testing. An extension may be granted by the IDEM, OAQ, if the source submits to IDEM, OAQ, a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

The documentation submitted by the Permittee does not require certification by the “authorized individual” as defined by 326 IAC 2-1.1-1.

Compliance Monitoring Requirements

C.11 Compliance Monitoring [326 IAC 2-1.1-11]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

C.12 Monitoring Methods [326 IAC 3]

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, or other approved methods as specified in this permit.

C.13 Actions Related to Noncompliance Demonstrated by a Stack Test

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate corrective actions. The Permittee shall submit a description of these corrective actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected emissions unit while the corrective actions are being implemented. IDEM, OAQ shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM, OAQ within thirty (30) days of receipt of the notice of deficiency. IDEM, OAQ reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected emissions unit.

The documents submitted pursuant to this condition do not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

Record Keeping and Reporting Requirements

C.14 Malfunctions Report [326 IAC 1-6-2]

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 Quality (OAQ) 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 OAQ, 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]

C.15 Monitoring Data Availability [326 IAC 2-6.1-2] [IC 13-14-1-13]

(a) With the exception of performance tests conducted in accordance with Section C-Performance Testing, all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.

(b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.

(c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.

(d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.

(e) At its discretion, IDEM may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.

(f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements stated in (a) above.

C.16 General Record Keeping Requirements [326 IAC 2-6.1-2]

(a) Records of all required monitoring data and support information 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 kept at the source location for a minimum of three (3) years and available upon the request of an IDEM, OAQ, representative. 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 written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Records of required monitoring information shall include, where applicable:

(1) The date, place, and time of sampling or measurements;

(2) The dates analyses were performed;

(3) The company or entity performing the analyses;

(4) The analytic techniques or methods used;

(5) The results of such analyses; and

(6) The operating conditions existing at the time of sampling or measurement.

(c) Support information shall include, where applicable:

(1) Copies of all reports required by this permit;

(2) All original strip chart recordings for continuous monitoring instrumentation;

(3) All calibration and maintenance records;

(4) Records of preventive maintenance shall be sufficient to demonstrate that failure to implement the Preventive Maintenance Plan did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.

(d) All record keeping requirements not already legally required shall be implemented when operation begins.

C.17 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

(a) The reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

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

(c) Unless otherwise specified in this permit, any quarterly report shall be submitted within thirty (30) days of the end of the reporting period. The reports do not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(d) All instances of deviations must be clearly identified in such reports. A reportable deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:

(1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or

(2) A malfunction as described in 326 IAC 1-6-2; or

(3) Failure to implement elements of the Preventive Maintenance Plan unless lack of maintenance has caused or contributed to a deviation.

(4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred or failure to monitor or record the required compliance monitoring is a deviation.

(e) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.

(f) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.

C.18 Annual Notification [326 IAC 2-6.1-5(a)(5)]

(a) Annual notification shall be submitted 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 permit.

(b) Noncompliance with any condition must be specifically identified. If there are any permit conditions or requirements for which the source is not in compliance at any time during the year, the Permittee must provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be, achieved. The notification must be signed by an authorized individual.

(c) The annual notice shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in the format attached no later than March 1 of each year to:

Compliance Branch, Office of Air Quality
Indiana Department of Environmental Management
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

(d) 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.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) Two (2) heat treatment lines 3 & 4, identified as EU-02, exhausting to Stack DO-1C and Stack DO-2C, installed in January 1988, capacity: 3,049 pounds of glass per hour, total, including the following equipment:

(1) Two (2) silk screening machines, capacity: 0.81 pounds of paint per hour, each.
(2) One (1) electric tempering furnace, equipped with one (1) tank of SO_2, exhausted to stack SO_2-02, capacity: 200 pounds of SO_2.
(3) One (1) air quenching operation.

(b) Two (2) heat treatment lines 1 & 2, identified as EU-01, installed in February 1991, capacity: 4,854 pounds of glass per hour total, including the following equipment:

(1) Three (3) silk screening machines, capacity: 1.35 pounds of paint per hour, each.
(2) One (1) glass tech electric tempering furnace, equipped with one (1) tank of SO_2, exhausted to stack SO_2-01, capacity: 200 pounds of SO_2.
(3) One (1) air quenching operation.

(c) One (1) heat treatment line 5, identified as EU-13, capacity: 3,050 pounds of glass per hour, total, including the following equipment:

(1) One (1) silk screening machine, capacity: 0.81 pounds of paint per hour
(2) Two (2) glass edging units

(d) One (1) CERAN processing line, identified as EU-03, exhausting to Stacks CO-1B through CO-9B and Stacks C0-1C through C0-5C, installed in November 1993, capacity: 4,193 pounds of glass per hour, including the following equipment:

(1) Two (2) silk screening machines, capacity: 2.50 pounds of paint per hour, each.
(2) Three (3) electric tempering furnaces.
(3) Three (3) cooling conveyors.
(4) One (1) laser cutter, identified as CERAN Laser, equipped with a baghouse for particulate control, identified as EU-LAS, exhausting to Stack EU-LAS, capacity: 600 pounds of glass per hour.

(e) One (1) spray cleaning operation, identified as EU-04, equipped with solids filters, exhausting to stack XY-1C, installed in February 1991, capacity: 1.5 gallons of solvent per hour, consisting of the following equipment:

(1) One (1) solvent recovery still.
(2) One (1) wash booth #1 used for air grinding.
(3) One (1) wash booth #2 used for silk screen and paint removal, capacity: 5.49 pounds of solvent per hour.
(4) One (1) automatic screen washer, with a capacity of 55 gallons of solvent, and a solvent usage rate of 0.0445 gallons per hour.

(f) One (1) heavy tempering line (HT-6), known as EU-14, exhausted through stack W-01, to be installed, capacity: 893 pounds of glass per hour total, including the following equipment:

(1) Two (2) silk screening machines, capacity: 2.45 pounds of paint per hour, each.
(2) One (1) slitting unit.
(3) Three (3) small edging units.
(4) Two (2) small washer units.
(5) One (1) Rhonehouse 42 electric drying oven, equipped with one (1) tank of SO_2, exhausted to stack SO_2-14, capacity: 200 pounds of SO_2.
(6) One (1) whopper machine, used to cut circles in the glass.
(7) One (1) nubber operation, which is a wet glass edging operation.

Emissions Unit Description: continued

(g) One (1) heavy tempering line (HT-7), known as EU-15, exhausted through stack W-01, to be installed, capacity: 893 pounds of glass per hour total, including the following equipment:

(1) One (1) silk screening machine, capacity: 2.45 pounds of paint per hour.
(2) One (1) slitting unit.
(3) Two (2) edging units.
(4) One (1) washer unit.
(5) One (1) stripcutter unit, used to cut the glass.
(6) One (1) nubber operation, which is a wet glass edging operation.

(h) One (1) circle glass line (F-8), known as EU-16, exhausted through stack H-02, to be installed, capacity: 488 pounds of glass per hour, including the following equipment:

(1) One (1) silk screening machine, capacity: 1.34 pounds of paint per hour.
(2) One (1) slitting unit.
(3) One (1) edging unit.
(4) One (1) washer unit.
(5) One (1) whopper machine, used to cut circles in the glass.

(i) One (1) small parts line (F-9), identified as EU-17, exhausted through stacks W-01 or H-02, to be installed, capacity: 425 pounds of glass per hour, including the following equipment:

(1) One (1) silk screening machine, capacity: 1.34 pounds of paint per hour.
(2) Two (2) edging units.
(3) One (1) washer unit.
(4) One (1) nubber operation, which is a wet glass edging operation.
(5) One (1) Intermac edger machine, which is a wet operation.
(6) Two (2) vertical edger units.
(7) One (1) small part edger.
(8) One (1) circle cutter.
(9) Two (2) drills, which are a wet glass drilling operation.
(10) Four (4) belt sanders.
(11) One (1) 2-inch edger, which is a wet glass edging operation.

(j) One (1) CERAN new furnace line, identified as EU-18, exhausted through Stacks #1 through #3, installed in 2004, capacity: 1,398 pounds of glass per hour, including the following equipment:

(1) One (1) electric tempering furnace.
(2) One (1) cooling conveyor.

(k) Sixteen (16) plastic molding machines, identified as EU-05, installed in 1994 - 1995, capacity: 32.15 pounds of polypropylene per hour, each.

(l) One (1) glass edge grinding operation, identified as EU-10, equipped with a cartridge fiber filter for PM control, exhausting to Stack WR-01, installed in 1991, and relocated within the source in 2002, capacity: 0.274 pounds of glass per hour.

(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 2-6.1-5(1)]

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

(a) Pursuant to 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) glass edge grinding operation, identified as EU-10, shall not exceed 0.722 pounds per hour when operating at a process weight rate of 150 pounds per hour. The particle fiber filter is a voluntary control device.

(b) The allowable particulate emission rate from the four (4) belt sanders, associated with EU-17, shall not exceed 1.45 pounds per hour, total, when operating at a process weight rate of 425 pounds per hour.

(c) The allowable particulate emission rate from the one (1) laser cutter, identified as CERAN Laser associated with EU-03, shall not exceed 1.83 pounds per hour, when operating at a process weight rate of 600 pounds per hour.

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

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

D.1.2 Volatile Organic Compounds [326 IAC 8-1-6]

Any change or modification which would increase the potential to emit VOC to twenty-five (25) tons per year or more from any of the following emission units shall obtain prior approval from IDEM, OAQ: EU-01, EU-02, EU-03, EU-04, EU-05, EU-10, EU-13, EU-14, EU-15, EU-16, EU-17, and/or EU-18.

D.1.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

The one (1) automatic screen washer is subject to the provisions of 326 IAC 8-3-2 (Organic solvent degreasing operations: cold cleaner operations). Pursuant to this rule, the owner or operator of the one (1) automatic screen washer shall:

(a) equip the cleaner with a cover;

(b) equip the cleaner with a facility for draining cleaned parts;

(c) close the degreaser cover whenever parts are not being handled in the cleaner;

(d) drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) provide a permanent, conspicuous label summarizing the operating requirements;

(f) store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.1.4 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of the cold cleaner degreaser (one (1) automatic screen washer) shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9EC) (one hundred twenty degrees Fahrenheit (120EF)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

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

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

Compliance Determination Requirements [326 IAC 2-1.1-11]

There are no specific Compliance Determination Requirements applicable to these emission units.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

There are no specific Compliance Monitoring Requirements applicable to these emission units.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(m) One (1) CERAN strip wash operation, identified as EU-12, exhausting to Stack WV-1D, installed in 1995, capacity: 60 glass panels per hour

(n) Two (2) emergency generators, identified as EU-06, firing diesel fuel, exhausting to stacks EP-1C and EP-2C, installed in 1991 - 1998, rated at: 0.5 million British thermal units per hour, total, operating at 500 hours per year or less, each.

(o) Forty-nine (49) building work natural gas-fired space heaters, identified as EU-07, installed between 1988 - 1998, rated at: 4.785 million British thermal units per hour, total.

(p) Four (4) natural gas-fired space heaters, exhausting to Stacks GF-1D, GF-2D, GF-3D and GF-1H, rated at 0.45 million British thermal units per hour, total.

(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 2-6.1-5(1)]

D.2.1 Volatile Organic Compounds (VOC)

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of the cold cleaner degreaser (EU-12) without remote solvent reservoirs constructed after July 1, 1990, shall ensure that the following requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9EC) (one hundred twenty degrees Fahrenheit (120EF)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

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

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

D.2.2 Hours of Operation

Each of the two (2) emergency generators shall operate no more than five-hundred (500) hours per year.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.2.3 Hours of Operation

In order to show compliance with D.2.2, the Permittee shall record the number of hours of operation of each emergency generator per month.

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(q) One (1) maintenance degreaser, identified as EU-19, with a potential to emit VOC of 0.139 tons per year.

(r) One maintenance metal grinding operation, identified as EU-09, with a potential to emit PM of 0.06 tons per year.

(s) Maintenance welding operations, identified as EU-08, consisting of the following:

(1) Eight (8) Metal Inert Gas (MIG) welding stations, capacity: 0.05 pounds of wire per hour, each.

(2) Four (4) Stick welding stations, capacity: 0.20 pounds of wire per hour, each.

(3) Two (2) Tungsten Inert Gas (TIG) welding stations, capacity: 0.10 pounds of wire per hour, each.

(t) Four (4) refrigerator heat stamping machines, including one (1) refrigerator shelf stamping decal removal area, capacity: 110 gallons of Ethyl Acetate per year.

(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 2-6.1-5(1)]

D.3.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of the cold cleaner degreaser (one (1) maintenance degreaser, identified as EU-19), shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9EC) (one hundred twenty degrees Fahrenheit (120EF)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

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

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH

MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

Company Name:	**Gemtron Corporation**
Address:	**2000 Chestnut Street**
City:	**Vincennes, Indiana 47591**
Phone #:	**812-882-2680**
MSOP #:	**083-13656-00012**

I hereby certify that Gemtron Corporation is
- still in operation.
- no longer in operation.

I hereby certify that Gemtron Corporation is
- in compliance with the requirements of MSOP **083-13656-00012**.
- not in compliance with the requirements of MSOP **083-13656-00012**.

Authorized Individual (typed):
Title:
Signature:
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:

Appendix A: Emission Calculations
CERAN Laser

Company Name: **Gemtron Corporation**
Address City IN Zip: **2000 Chestnut Street, Vincennes, IN 47591**
Notice Only Change: **083-22360**
Plt ID: **083-00012**
Reviewer: **Craig J. Friederich**
Application Date: **December 6, 2005**

Unit ID	Control Efficiency (%)	Grain Loading per Actual Cubic foot of Outlet Air (grains/cub. ft.)	Gas or Air Flow Rate (acfm.)	PM Emission Rate before Controls (lb/hr)	PM Emission Rate before Controls (tons/yr)	PM Emission Rate after Controls (lb/hr)	PM Emission Rate after Controls (tons/yr)
CERAN Laser	99.1%	0.0004	1766	0.67	2.95	0.0061	0.027

Methodology

Emission Rate in lbs/hr (after controls) = (grains/cub. ft.) (cub. ft./min.) (60 min/hr) (lb/7000 grains)
Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)

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