



Mitchell E. Daniels, Jr.  
Governor

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: February 3, 2005  
RE: Kimble Glass, Inc. / 085-20408-00058  
FROM: Paul Dubenetzky  
Chief, Permits Branch  
Office of Air Quality

### Notice of Decision: Approval - Registration

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

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

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

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

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

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

Enclosures  
FN-REGIS.dot 1/10/05



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
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February 3, 2005

Mr. Christopher J. Gartland
Kimble Glass, Inc.
1535 W. Center St.
Warsaw, IN 46581

Re: Registered Operation Status,
085-20408-00058

Dear Mr. Gartland:

The application from Kimble Glass, Inc. received on November 22, 2004, has been reviewed. Based on the revised emission calculations and the provisions in 326 IAC 2-5.5-1 (b), it has been determined that the following glass conversion plant manufacturing ampuls and vials located at 1535 W. Center St. Warsaw IN 46581 is classified as registered:

- a) One (1) glass conversion plant comprised of thirty (30) processing lines. All thirty (30) of the processing lines combined utilize a total of one hundred and nine (109) units consisting of ambient heaters, converting machines, and annealing units, each unit using natural gas as fuel with a total capacity of 43.38 MMBtu/ hr and exhausting to the respective stacks, listed as shown below:

Table with 9 columns: I.D Number / Stack I.D, Description, Heat Input MMBtu/hr, I.D Number / Stack I.D, Description, Heat Input MMBtu/hr, I.D Number / Stack I.D, Description, Heat Input MMBtu/hr. Rows list various units (U1-U8) and their associated heaters and heat inputs.

U9 / F1	Ambient Heater	0.048	U29 / U29	Ambient Heater	0.070	U49 / F1	Ambient Heater	4.950
U10 / F1	Ambient Heater	1.540	U30 / U30	Ambient Heater	0.070	U50 / U50	Ambient Heater	0.250
U11 / F1	Ambient Heater	3.690	U32 / U32	Ambient Heater	0.050	U51 / U50	Ambient Heater	0.200
U12 / U12	Ambient Heater	0.050	U33 / U33	Ambient Heater	0.350	U52 / U52	Ambient Heater	0.075
U13 / U13	Ambient Heater	0.055	U34 / U34	Ambient Heater	0.350	U53 / U53	Ambient Heater	0.060
U14 / U14	Ambient Heater	0.200	U35 / U35	Ambient Heater	0.125	AFTA1 / F1	Converting Machine	0.005
U15 / U14	Ambient Heater	0.200	U36 / U36	Ambient Heater	0.350	AFTA2 / F1	Converting Machine	0.005
U17 / U17	Ambient Heater	0.200	U37 / U37	Ambient Heater	0.350	AFTA3 / F1	Converting Machine	0.003
U18 / U18	Ambient Heater	0.200	U38 / U38	Ambient Heater	0.155	AFTA4 / F1	Converting Machine	0.005
U19 / U19	Ambient Heater	0.200	U39 / U39	Ambient Heater	0.155	AFTA5 / F1	Converting Machine	0.005
AFTA6 / F1	Converting Machine	0.005	KV12 / P17	Converting Machine	0.183	LEHRV9 / F1	Annealing Unit	1.026
AFTA8 / F1	Converting Machine	0.005	KV14 / P18	Converting Machine	0.183	LEHRV11 / F1	Annealing Unit	1.026
AFTA9 / F1	Converting Machine	0.003	KV15 / P19	Converting Machine	0.371	LEHRV12 / F1	Annealing Unit	1.026
KA1 / P1	Converting Machine	0.330	KV16 / P21	Converting Machine	0.371	LEHRV14 / F1	Annealing Unit	1.026
KA2 / P2	Converting Machine	0.330	KV17 / P22	Converting Machine	0.371	LEHRV15 N / F1	Annealing Unit	1.026
KA3 / P3	Converting Machine	0.164	KV19 / P25	Converting Machine	0.183	LEHRV15 S / F1	Annealing Unit	1.026
KA4 / P4	Converting Machine	0.330	KV20 / P26	Converting Machine	0.183	LEHRV16 N / F1	Annealing Unit	0.578
KA5 / P5	Converting Machine	0.330	KV21 / P28	Converting Machine	0.183	LEHRV16 S / F1	Annealing Unit	0.578
KA6 / P6	Converting Machine	0.330	KV22 / P29	Converting Machine	0.183	LEHRV17 N / F1	Annealing Unit	0.578
KA8 / P7	Converting Machine	0.330	KV24 / P30	Converting Machine	0.183	LEHRV17 S / F1	Annealing Unit	0.578
KA9 / P8	Converting Machine	0.365	KV25 / P31	Converting Machine	0.183	LEHRV19 / F1	Annealing Unit	1.026
KV2 / P9	Converting Machine	0.146	BOT1 / F1	Converting Machine	0.155	LEHRV20 / F1	Annealing Unit	0.183
KV4 / P10	Converting Machine	0.183	BOT2 / F1	Converting Machine	0.155	LEHRV21 / F1	Annealing Unit	0.183
KV5 / P11	Converting Machine	0.146	LEHRV2 / F1	Annealing Unit	1.026	LEHRV22 / F1	Annealing Unit	0.183
KV6 / P12	Converting Machine	0.146	LEHRV4 / F1	Annealing Unit	0.183	LEHRV24 / F1	Annealing Unit	0.183
KV7 / P13	Converting Machine	0.146	LEHRV5 / F1	Annealing Unit	1.026	LEHRV25 / F1	Annealing Unit	0.183
KV8 / P14	Converting Machine	0.146	LEHRV6 / F1	Annealing Unit	1.026	LEHRRET / F1	Annealing Unit	1.026
KV9 / P15	Converting Machine	0.146	LEHRV7 / F1	Annealing Unit	1.026			
KV11 / P16	Converting Machine	0.183	LEHRV8 / F1	Annealing Unit	1.026			

The following conditions shall be applicable:

- (a) Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
  - (1) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
  - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (b) Any change or modification which may increase the potential to emit any combination of HAPs, VOC, NO<sub>x</sub>, SO<sub>2</sub>, PM or PM<sub>10</sub> to twenty five (25) tons per year, or a single HAP to ten (10) tons per year, from this source shall obtain approval from IDEM, OAQ prior to making the change.

This registration is an operating registration issued to this source. The source may operate according to 326 IAC 2-5.5-1 (b).

An authorized individual shall provide an annual notice to the Office of Air Quality that the source is in operation and in compliance with this registration pursuant to (326 IAC 2-5.1-2(f)(3)). The annual notice shall be submitted to:

**Compliance Data Section  
Office of Air Quality  
100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, IN 46206-6015**

no later than March 1 of each year, with the annual notice being submitted in the format attached.

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

Sincerely,

Original signed by

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

RT/EVP

cc: File – Kosciusko County  
Kosciusko County Health Department  
Air Compliance – Doyle Houser  
Permit Tracking  
Compliance Data Section

<b>Registration Annual Notification</b>
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This form should be used to comply with the notification requirements under 326 IAC 2-5.1-2(f)(3) or 326 IAC 2-5.5-4(a)(3)

<b>Company Name:</b>	<b>Kimble Glass, Inc.</b>
<b>Address:</b>	<b>1535 W. Center St.</b>
<b>City:</b>	<b>Warsaw, Indiana 46581</b>
<b>Authorized individual:</b>	<b>Christopher J. Gartland</b>
<b>Phone #:</b>	<b>(574) 267 – 6121</b>
<b>Registration #:</b>	<b>085-20408-00058</b>

I hereby certify that Kimble Glass, Inc. is still in operation and is in compliance with the requirements of Registration 085-20408-0058.

<b>Name (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>

## Indiana Department of Environmental Management Office of Air Quality

### Technical Support Document (TSD) for a Registration

#### Source Background and Description

<b>Source Name:</b>	Kimble Glass, Inc.
<b>Source Location:</b>	1535 W. Center St., Warsaw, IN 46581
<b>County:</b>	Kosciusko
<b>SIC Code:</b>	3229
<b>Operation Permit No.:</b>	085-20408-00058
<b>Permit Reviewer:</b>	RT / EVP

The Office of Air Quality (OAQ) has reviewed an application from Kimble Glass, Inc. relating to the operation of a glass conversion plant.

#### Source Definition

This source was originally issued registration (No. CP 085-5365) on October 11, 1996 relating to the operation of a glass conversion plant manufacturing ampuls and vials. The source has applied for a registration renewal under the new registration rule 326 IAC 2-5.5, which was promulgated on November 25, 1998. Since receiving their initial registration, the source has removed some equipment. This approval will also incorporate the removal of this equipment.

#### Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

One (1) glass conversion plant comprised of thirty (30) processing lines. All thirty (30) of the processing lines combined utilize a total of one hundred and nine (109) units consisting of ambient heaters, converting machines, and annealing units, each unit using natural gas as fuel with a total capacity of 43.38 MMBtu/ hr and exhausting to the respective stacks, listed as shown below:

I.D Number / Stack I.D	Description	Heat Input MMBtu/hr	I.D Number / Stack I.D	Description	Heat Input MMBtu/hr	I.D Number / Stack I.D	Description	Heat Input MMBtu/hr
U1 / U1	Ambient Heater	0.200	U20 / U20	Ambient Heater	0.200	U40 / U40	Ambient Heater	0.155
U2 / U2	Ambient Heater	0.200	U21 / F1	Ambient Heater	0.045	U41 / U41	Ambient Heater	0.155
U3 / U3	Ambient Heater	0.075	U22 / F1	Ambient Heater	0.045	U42 / U42	Ambient Heater	0.155
U4 / F1	Ambient Heater	0.048	U23 / F1	Ambient Heater	0.045	U43 / U43	Ambient Heater	0.155
U5 / F1	Ambient Heater	3.690	U24 / F1	Ambient Heater	0.045	U45 / U45	Ambient Heater	0.155
U6 / F1	Ambient Heater	0.048	U25 / U25	Ambient Heater	0.032	U46 / U46	Ambient Heater	0.050
U7 / F1	Ambient Heater	0.048	U26 / U26	Ambient Heater	0.070	U47 / U47	Ambient Heater	0.075
U8 / F1	Ambient Heater	0.048	U28 / U28	Ambient Heater	0.200	U48 / U48	Ambient Heater	0.075

U9 / F1	Ambient Heater	0.048	U29 / U29	Ambient Heater	0.070	U49 / F1	Ambient Heater	4.950
U10 / F1	Ambient Heater	1.540	U30 / U30	Ambient Heater	0.070	U50 / U50	Ambient Heater	0.250
U11 / F1	Ambient Heater	3.690	U32 / U32	Ambient Heater	0.050	U51 / U50	Ambient Heater	0.200
U12 / U12	Ambient Heater	0.050	U33 / U33	Ambient Heater	0.350	U52 / U52	Ambient Heater	0.075
U13 / U13	Ambient Heater	0.055	U34 / U34	Ambient Heater	0.350	U53 / U53	Ambient Heater	0.060
U14 / U14	Ambient Heater	0.200	U35 / U35	Ambient Heater	0.125	AFTA1 / F1	Converting Machine	0.005
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KA6 / P6	Converting Machine	0.330	KV22 / P29	Converting Machine	0.183	LEHRV17 N / F1	Annealing Unit	0.578
KA8 / P7	Converting Machine	0.330	KV24 / P30	Converting Machine	0.183	LEHRV17 S / F1	Annealing Unit	0.578
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KV2 / P9	Converting Machine	0.146	BOT1 / F1	Converting Machine	0.155	LEHRV20 / F1	Annealing Unit	0.183
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KV9 / P15	Converting Machine	0.146	LEHRV7 / F1	Annealing Unit	1.026			
KV11 / P16	Converting Machine	0.183	LEHRV8 / F1	Annealing Unit	1.026			

### Existing Approvals

The source has been operating under previous approvals including, but no limited to, the following:

- (a) Registration No. CP 085-5365, issued on October 11, 1996.

All conditions from previous approvals were incorporated into this permit.

### Enforcement Issue

There are no enforcement actions pending.

### Recommendation

The staff recommends to the Commissioner that the construction and operation be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on November 22, 2004.

### Emission Calculations

See Appendix A of this document for detailed emission calculations (pages 1 through 4).

### Potential to Emit (of the Source or Revision) Before Controls

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emissions unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U.S. EPA, the department, or the appropriate local air pollution control agency.”

Pollutant	Potential to Emit (tons/yr)
PM	0.36
PM-10	1.44
SO <sub>2</sub>	1.36
VOC	19.74
CO	15.96
NO <sub>x</sub>	20.43
HAPS	Negligible

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all criteria pollutants is less than 25 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-5.5. A registration will be issued.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year, therefore, the source is not subject to the provisions of 326 IAC 2-7.

(c) Fugitive Emissions

Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

**County Attainment Status**

The source is located in Kosciusko County.

Pollutant	Status
PM-10	Attainment
SO <sub>2</sub>	Attainment
NO <sub>2</sub>	Attainment
1-hour Ozone	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Not Determined

- (a) Volatile organic compounds (VOC) and Nitrogen Oxides (NO<sub>x</sub>) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC emissions and NO<sub>x</sub> are considered when evaluating the rule applicability relating to ozone. Wayne County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions and NO<sub>x</sub> were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (b) Kosciusko County has been classified as attainment or unclassifiable in Indiana for all criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.

**Source Status**

Existing Source (emissions after controls, based on 8,760 hours of operation per year at rated capacity and/ or as otherwise limited):

Pollutant	Emissions (tons/yr)
PM	0.36
PM-10	1.44
SO <sub>2</sub>	1.36
VOC	19.74
CO	15.96
NO <sub>x</sub>	20.43
Single HAP	Negligible
Combination HAPs	Negligible

- (a) This existing source is not a major stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not in one of the 28 listed source categories.

- (b) These emissions were based on the information provided in the source's permit applications (see Appendix A for emission calculations).

### **Part 70 Permit Determination**

#### 326 IAC 2-7 (Part 70 Permit Program)

This existing source, including the emissions from this permit 085-20408-00058, is still not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than 100 tons per year,
- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAPs is less than 25 tons per year.

This status is based on all the air approvals issued to the source. This status has been verified by the OAQ inspector assigned to the source.

### **Federal Rule Applicability**

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) applicable to this source.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14; 326 IAC 20; 40 CFR Part 61 and 40 CFR Part 63) applicable to this source.

### **State Rule Applicability – Entire Source**

#### 326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

This source is not subject to this rule because potential controlled emissions of all criteria pollutants are less than 250 tons per year. This source is also not one of the 28 listed source categories. Therefore, this source is not subject to the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)).

#### 326 IAC 2-4.1-1 (New Source Toxics Control)

This source is not subject to 326 IAC 2-4.1-1 (New Source Toxics Control) because the source has PTE of any HAP less than 10 tons per year and PTE of any combination of HAPs less than 25 tons per year. Therefore, 326 IAC 2-4.1-1 does not apply.

#### 326 IAC 2-6 (Emission Reporting)

This source is located in Kosciusko County and the potential to emit VOC is less than one hundred (100) tons per year. Therefore, 326 IAC 2-6 does not apply.

#### 326 IAC 5-1 (Opacity Limitations)

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

### **State Rule Applicability – Individual Facilities**

#### 326 IAC 8-1-6 (Volatile Organic Compounds)

This source is not subject to this rule. This rule applies to facilities constructed after January 1980, which have potential VOC emissions of 25 tons or more per year, and are not regulated by any other provisions of 326 IAC 8. All the facilities at this source were constructed after January 1980, but each has potential VOC emissions of less than 25 tons per year, therefore, this rule does not apply.

### **Proposed Changes**

The registration letter language is changed to read as follows (deleted language appears as strikeouts, new language appears in bold).

The application from Kimble Glass, Inc., received on November 22, 2004, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.5-6, it has been determined that the registration for a glass conversion plant manufacturing ampuls and vials, to be located at 1535 W. Center St., Warsaw IN 46581, Indiana, is hereby revised as follows:

~~(b) — One (1) decorating line utilizing silk screen/roller application of enamel oils.~~

*Reason Changed:* The source has removed the decorating line from the plant.

### **Conclusion**

The construction and operation of a glass conversion plant manufacturing ampuls and vials shall be subject to the conditions of the attached proposed Registraion No. 085-20408-00058.

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

**One hundred and nine (109) units consisting of Ambient heaters, converting machines and annealing units using natural gas as fuel**

**Company Name:** Kimble Glass, Inc.  
**Address City IN Zip:** 1535 W. Center Street Warsaw Indiana 46581  
**Registration** 085-20408-00058  
**Reviewer:** RT/ EVP  
**Date:** December 15, 2004

**Heat Input Capacity  
MMBtu/hr**

43.4

**Potential Throughput  
MMCF/yr**

380.0

	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.4	1.4	0.1	19.0	1.0	16.0

\*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

\*\*Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

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

**One hundred and nine (109) units consisting of Ambient heaters, converting machines and annealing units using natural gas as fuel  
HAPs Emissions**

**Company Name:** Kimble Glass, Inc.  
**Address City IN Zip:** 1535 W. Center Street Warsaw Indiana 46581  
**Registration** 085-20408-00058  
**Reviewer:** RT/ EVP  
**Date:** December 15, 2004

HAPs - Organics					
	Benzene	Dichlorobenzen e	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	3.990E-04	2.280E-04	1.425E-02	3.420E-01	6.460E-04

HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	9.500E-05	2.090E-04	2.660E-04	7.220E-05	3.990E-04

Methodology is the same as page 1.

The five highest organic and metal HAPs emission factors are provided above.  
Additional HAPs emission factors are available in AP-42, Chapter 1.4.