

Certified Mail No.: 7007 0710 0005 3965 5230



DATE: October 23, 2008

TO: Interested Parties / Applicant

RE: SVC Manufacturing, Inc. / 097-26593-00365

FROM: Richard Wise, Administrator
Office of Environmental Services

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 501, 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 Indianapolis Office of Environmental Services, Air Permits at (317) 327-2234.

Enclosures



Air Quality Hotline: 317-327-4AIR | knozone.com

Department of Public Works
Office of Environmental Services

2700 Belmont Avenue
Indianapolis, IN 46221

317-327-2234
Fax 327-2274
TDD 327-5186
indygov.org/dpw

October 23, 2008

Mr. Derek Janquart
SVC Manufacturing, Inc.
5858 Decatur Boulevard
Indianapolis, Indiana 46241



Re: 097-26593-00365
First Minor Revision to
M097-19967-00365

Dear Mr. Janquart:

SVC Manufacturing, Inc. was issued a Minor Source Operating Permit (MSOP) renewal No. M097-19967-00365 on August 12, 2005 for a stationary beverage manufacturing and packaging plant located at 5858 Decatur Boulevard, Indianapolis, Indiana, 46241. A First Notice Only Change (M097-24559-00365) was issued to SVC Manufacturing on May 3, 2007. A Second Notice Only Change (M097-25821-00365) was issued to SVC Manufacturing on January 14, 2008. On May 23, 2008, the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), and the City of Indianapolis Office of Environmental Services (OES) received an application from the source to revise the existing MSOP to reflect the current operations at the facility.

SVC Manufacturing, Inc. requested that the name of the facility and the SIC Code be changed on their permit to reflect current operations. The source is requesting that the description of the boilers in Section A.2(a) and (b) and Section D.1 of the permit be updated to more accurately reflect the equipment that is present at the source. The source is also requesting that several emission units be added to the Emissions Units and Pollution Control Equipment Summary section in Section A.2 of the permit to more accurately reflect the equipment that is located at the facility. The attached Technical Support Document (TSD) provides additional explanation of the changes to the permit.

Pursuant to the provisions of 326 IAC 2-6.1-6, these changes to the permit are required to be reviewed in accordance with the Minor Permit Revision (MPR) procedures of 326 IAC 2-6.1-6(h). Pursuant to the provisions of 326 IAC 2-6.1-6, a minor permit revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

Pursuant to 326 IAC 2-6.1-6, this permit shall be revised by incorporating the minor permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Attached please find the entire revised permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Jeffrey Hege of my staff, at 317-327-2234, or jhege@indygov.org.

Sincerely,

ORIGINAL SIGNED BY

Richard Wise, Administrator
Office of Environmental Services

RW / jsh

cc: OES Files
USEPA - R5
Marion County Health Dept.
IDEM, Mindy Hahn



Air Quality Hotline: 317-327-4AIR | knozone.com

Department of Public Works
Office of Environmental Services

2700 Belmont Avenue
Indianapolis, IN 46221
317-327-2234
Fax 327-2274
TDD 327-5186
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MINOR SOURCE OPERATING PERMIT RENEWAL

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY and INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES

**SVC Manufacturing, Inc.
5858 Decatur Boulevard
Indianapolis, Indiana 46241**

(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.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a MSOP under 326 IAC 2-6.1.

Operation Permit No.: M097-19967-00365	
Original signed by: Felicia A. Robinson, Manager of Environmental Planning Indianapolis Office of Environmental Services	Issuance Date: 8-12-05 Expiration Date: 8-12-15

First Notice Only Change: M097-24559-00365
Second Notice Only Change: M097-25821-00365

Issuance Date: May 3, 2007
Issuance Date: January 14, 2008

First Minor Permit Revision No.: M097-26593-00365	Conditions Modified: Entire permit
Issued by: ORIGINAL SIGNED BY Richard Wise, Administrator Office of Environmental Services	Issuance Date: 10-23-08 Expiration Date: 8-12-15



Air Quality Hotline: 317-327-4AIR | knozone.com

Department of Public Works
Office of Environmental Services

2700 Belmont Avenue
Indianapolis, IN 46221

317-327-2234
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TDD 327-5186
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TABLE OF CONTENTS

A	SOURCE SUMMARY	3
A.1	General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]	
A.2	Emission Units and Pollution Control Equipment Summary	
B	GENERAL CONDITIONS	5
B.1	Definitions	
B.2	Effective Date of the Permit [IC 13-15-5-3]	
B.3	Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]	
B.4	Term of Conditions [326 IAC 2-1.1-9.5]	
B.5	Annual Notification [326 IAC 2-6.1-5(a)(5)]	
B.6	Preventive Maintenance Plan [326 IAC 1-6-3]	
B.7	Permit Renewal [326 IAC 2-6.1-7]	
B.8	Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]	
B.9	Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2] [IC 13-17-3-2][IC 13-30-3-1]	
B.10	Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]	
B.11	Annual Fee Payment [326 IAC 2-1.1-7]	
B.12	Credible Evidence [326 IAC 1-1-6]	
C	SOURCE OPERATION CONDITIONS	9
C.1	Permit Revocation [326 IAC 2-1.1-9]	
C.2	Opacity [326 IAC 5-1]	
C.3	Fugitive Dust Emissions [326 IAC 6-4]	
C.4	Asbestos Abatement Projects [326 IAC 14-10][326 IAC 18][40 CFR 61, Subpart M]	
C.5	Performance Testing [326 IAC 3-6]	
	Compliance Requirements [326 IAC 2-1.1-11]	
C.6	Compliance Requirements [326 IAC 2-1.1-11]	
C.7	Monitoring Methods [326 IAC 3][40 CFR 60][40 CFR 63]	
	Record Keeping and Reporting Requirements	
C.8	Malfunctions Report [326 IAC 1-6-2]	
C.9	General Record Keeping Requirements [326 IAC 2-6.1-5]	
C.10	General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-5] [IC 13-14-1-13]	
D.1	EMISSIONS UNIT OPERATION CONDITIONS - Natural Gas Boilers	13
	Emission Limitations and Standards	
D.1.1	General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart A]	
D.1.2	Particulate Matter Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]	
	Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]	
D.1.3	Record Keeping Requirements	
D.2	EMISSIONS UNIT OPERATION CONDITIONS - Degreasing Operations	14
	Emission Limitations and Standards	
D.2.1	Volatile Organic Compounds (VOC) [326 IAC 8-3-2]	
D.2.2	Volatile Organic Compounds (VOC) [326 IAC 8-3-5]	
D.3	EMISSIONS UNIT OPERATION CONDITIONS - Blasting Operations	16
	Emission Limitations and Standards	
D.3.1	Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3]	
	Compliance Determination Requirements	
D.3.2	Particulate Control	
	Minor Source Operating Permit (MSOP) Certification	17
	Annual Notification	18
	Malfunction Report	19

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), and Indianapolis Office of Environmental Services (OES). The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary beverages manufacturing source.

Source Address: 5858 Decatur Boulevard, Indianapolis, Indiana 46241
Mailing Address: 5858 Decatur Boulevard, Indianapolis, Indiana 46241
General Source Phone: (317) 821-6400
SIC Code: 2086
County Location: Marion County
Nonattainment for PM2.5
Attainment for all other criteria pollutants.
Source Status: Minor Source Operating Permit
Minor Source, under PSD and Nonattainment NSR
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) Three (3) Steam Boilers manufactured by Cleaver Brooks, identified as Emission Units SG-01, SG-02, and SG-04, with a maximum heat input capacity of 32.66 million British Thermal Units per hour (MMBtu/hr) each, capable of firing natural gas only. The emissions from these boilers are controlled by low NOx burners and are exhausted out the stacks identified as Stack ID 01, ID 02, and ID 04 respectively. Boilers SG-01 and SG-02 were constructed in 2000, boiler SG-04 - in 2003.
- (b) One (1) Steam Boiler, identified as Emission Unit SG-03, with a maximum heat input capacity of 16.74 million British Thermal Units per hour (MMBtu/hr), capable of firing natural gas only. The emissions from this boiler are not controlled and are exhausted out one stack identified as Stack I.D. 03. Boiler SG-03 was constructed in 2000.
- (c) Line Cleaning Operation, identified as Emission Unit LC-01, using various sanitizers, cleaners, and detergents.
- (d) Bottle and Case Coding Process, identified as Emission Unit CC-01, involves the application of videojet ink on the bottles and cases. Emissions generated by this process are not controlled and are vented into the building.
- (e) One (1) Liquid Sucrose Additive System, consisting of:
 - (1) One (1) Dry Sucrose Storage Silo, with capacity of 128,000 pounds/2,555 cubic feet, and one (1) Sucrose Surge Hopper, with capacity of 3.0 cubic feet, equipped with a product recovery/recycle Bin Vent Filter;
 - (2) Miscellaneous non-emitting process equipment, including heat exchanger, sucrose dissolving tank, filter tank, product strainers, pumps, etc.
- (f) One (1) line lubricating process, identified as Line Lube, applying a lubricant to the bottle conveyor lines. Emissions generated by this process are not controlled and are vented into the building.

- (g) One (1) beverage batch manufacturing process, identified as Batch Operations, using various flavors and additives. Emissions generated by this process are vented into the building.
- (h) Various natural gas-fired combustion units, with heat input equal to or less than ten million (10,000,000) Btu per hour, including:
 - (1) Five (5) natural gas-fired space heaters, identified as SH-1, SH-2, SH-3, SH-4 and SH-5, with a heat input capacity of 132,000 Btu/hr, for a combined total of 660,000 Btu/hr;
 - (2) Two (2) natural gas-fired hot water heaters, identified as WH-1 and WH-2, with a combined heat input capacity of 5,510,000 Btu/hr;
 - (3) Two (2) natural gas-fired dock door space heaters, identified as DH-1 and DH-2, with a combined heat input capacity of 580,000 Btu/hr.
- (i) Degreasing operations, identified as DO-1, that do not exceed 145 gallons per 12 months. [326 IAC 8-3-5] [326 IAC 8-3-2]
- (j) One (1) bead blasting machine located in the Maintenance Dept., identified as BB-1, controlled by a fabric filter baghouse with a designed grain loading of less than 0.03 grain/dscf and a gas flow rate of 100 cfm.

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 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, the applicable definitions found in the statutes or regulations IC 13-11, 326 IAC 1-2, and 326 IAC 2-1.1-1 shall prevail.

B.2 Effective Date of the Permit [IC13-15-5-3]

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

B.3 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

- (a) This permit, MSOP 097-19967-00365, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ and OES upon receiving a timely and complete renewal permit application, fail 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 to be in effect, until the renewal permit has been issued or denied.

B.4 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

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

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this 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 be submitted in the format attached no later than March 1 of each year to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Indianapolis OES
Air Compliance
2700 South Belmont Ave.
Indianapolis, IN 46221

- (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, and OES on or before the date it is due.

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:
 - (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; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, and OES upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ, and OES. IDEM, OAQ, and OES may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.7 Permit Renewal [326 IAC 2-6.1-7]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and OES and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require the certification by the "Authorized Individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Indianapolis OES
Air Permits
2700 South Belmont Ave.
Indianapolis, IN 46221

- (b) A timely renewal application is one that is:
- (1) Submitted at least one hundred twenty (120) days prior to the date of the expiration of this permit; and
 - (2) 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 and OES on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ and OES take final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ and OES any additional information identified as being needed to process the application.

B.8 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]

- (a) Permit amendments or modifications are governed by the requirements of 326 IAC 2-6.1-6.
- (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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Indianapolis OES
Air Compliance
2700 South Belmont Ave.
Indianapolis, IN 46221

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

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

B.9 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)] [IC 13-14-2-2] [IC13-17-3-2] [IC 13-30-3-1]

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, OES, and U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under this title or the conditions of this permit or any operating permit revisions;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any processes, emissions units (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit or any operating permit revisions;

- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.10 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, and OES, Air Permits, within thirty (30) days of the change.
- (b) The written notification shall be sufficient to transfer the permit to the new owner by an notice-only change pursuant to 326 IAC 2-6.1-6(d)(3).
- (c) IDEM, OAQ, and OES 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.

B.11 Annual Fee Payment [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to OES within thirty (30) calendar days of receipt of a billing.
- (a) The Permittee may call the following telephone number: (317) 327-2234 (ask for OES Air Compliance), to determine the appropriate permit fee.

B.12 Credible Evidence [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

C.1 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (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 and OES, the fact that continuance of this permit is not consistent with purposes of this article.

C.2 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 thirty percent (30%) 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 non-overlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 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).

C.4 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:

- (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Indianapolis OES
Air Enforcement
2700 South Belmont Ave.
Indianapolis, IN 46221

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements

C.5 Performance Testing [326 IAC 3-6]

- (a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 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, and OES.

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Indianapolis OES
Air Compliance
2700 South Belmont Ave.
Indianapolis, IN 46221

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ, and OES of the actual test date at least fourteen (14) days prior to the actual date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ, and OES not later than forty-five (45) days after the completion of the testing. An extension may be granted by the IDEM, OAQ, and OES, if the Permittee submits to IDEM, OAQ, and OES a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.6 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the IDEM commissioner or the U.S. EPA.

C.7 Monitoring Methods [326 IAC 3][40 CFR 60][40 CFR 63]

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

Record Keeping and Reporting Requirements

C.8 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 IDEM, OAQ, and OES 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 IDEM, OAQ, and OES 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.9 General Record Keeping Requirements [326 IAC 2-6.1-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the IDEM Commissioner or OES Administrator makes a request for records to the Permittee, the Permittee shall furnish the records to the IDEM Commissioner or OES Administrator within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented when operation begins.

C.10 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-5] [IC 13-14-1-13]

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Indianapolis OES
Air Compliance
2700 South Belmont Ave.
Indianapolis, IN 46221

- (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, and OES on or before the date it is due.
- (c) Unless otherwise specified in this permit, any report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The reports do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.1 EMISSIONS UNITS OPERATION CONDITIONS

Emissions Unit Description:

- (a) Three (3) Steam Boilers manufactured by Cleaver Brooks, identified as Emission Units SG-01, SG-02, and SG-04, with a maximum heat input capacity of 32.66 million British Thermal Units per hour (MMBtu/hr) each, capable of firing natural gas only. The emissions from these boilers are controlled by low NOx burners and are exhausted out the stacks identified as Stack ID 01, ID 02, and ID 04 respectively. Boilers SG-01 and SG-02 were constructed in 2000, boiler SG-04 - in 2003.
- (b) One (1) Steam Boiler, identified as Emission Unit SG-03, with a maximum heat input capacity of 16.74 million British Thermal Units per hour (MMBtu/hr), capable of firing natural gas only. The emissions from this boiler are not controlled and are exhausted out one stack identified as Stack ID 03. Boiler SG-03 was constructed in 2000.

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

Emission Limitations and Standards

D.1.1 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facility described in this section except when otherwise specified in 40 CFR Part 60, Subpart Dc.

D.1.2. Particulate Matter Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]

(a) Pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating) the Particulate Matter (PM) emissions from emission units SG-01, SG-02, SG-03 and SG-04 shall be limited to 0.32 lbs/MMBtu.

(b) This limitation is based on the following equation:

$$Pt = 1.09 / Q^{0.26}$$

where:

Pt = emission rate limit (lbs./MMBtu/hr)

Q = total source heat input capacity (MMBtu/hr). The total source maximum heat input capacity is 114.7 MMBtu/hr

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

D.1.3 Record Keeping Requirements

(a) That pursuant to 40 CFR Part 60.48c (Reporting and Recordkeeping Requirements) records shall be maintained of the amounts of fuel combusted during each month by the four (4) natural gas fired boilers, identified as SG-01, 02, 03 and 04.

(b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.2

EMMISSIONS UNITS OPERATION CONDITIONS

Emissions Unit Description:

- (i) Degreasing operations, identified as DO-1, that do not exceed 145 gallons per 12 months. [326 IAC 8-3-5] [326 IAC 8-3-2]

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

Emission Limitations and Standards

D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee 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 requirement;
- (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.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

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

- (a) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (1) 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 (38°C) (one hundred degrees Fahrenheit (100°F));
 - (2) the solvent is agitated; or
 - (3) the solvent is heated.
- (b) 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 (38°C) (one hundred degrees Fahrenheit (100°F)), 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.
- (c) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
- (d) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

- (e) 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 (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent used is insoluble in, and heavier than water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

- (f) The owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:
 - (A) Close the cover whenever articles are not being handled in the degreaser.
 - (B) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (C) 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.

SECTION D.3

EMMISSIONS UNITS OPERATION CONDITIONS

Emissions Unit Description:

- (j) One (1) bead blasting machine located in the Maintenance Dept., identified as BB-1, controlled by a fabric filter baghouse with a designed grain loading of less than 0.03 grain/dscf and a gas flow rate of 100 cfm.

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

Emission Limitations and Standards

D.3.1 Emission Limitations for Manufacturing Processes [326 IAC 6-3]

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from BB-1 shall not exceed 0.94 pounds per hour when operating at a process weight rate of 0.111 tons per hour. The pound per hour limitation was calculated with the following equation:

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

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

Compliance Determination Requirements

D.3.2 Particulate Control

In order to comply with condition D.3.1, the baghouse for particulate control on the bead blast machine (BB-1) shall be in operation and control emissions from the bead blast machine at all times that the bead blast machine is in operation.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
and
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
AIR COMPLIANCE**

**MINOR SOURCE OPERATING PERMIT (MSOP)
CERTIFICATION**

Source Name: SVC Manufacturing, Inc.
Source Address: 5858 Decatur Boulevard, Indianapolis, Indiana 46241
Mailing Address: 5858 Decatur Boulevard, Indianapolis, Indiana 46241
MSOP No.: M097-19967-00365

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

Please check what document is being certified:

- Annual Compliance Notification
- Test Result (specify) _____
- Report (specify) _____
- Notification (specify) _____
- Affidavit (specify) _____
- Other (specify) _____

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

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
and
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
AIR COMPLIANCE**

**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:	SVC Manufacturing, Inc.
Address:	5858 Decatur Boulevard, Indianapolis, Indiana 46241
City:	Indianapolis
Phone #:	(317)-788-5423
MSOP #:	097-19967-00365

I hereby certify that SVC Manufacturing, Inc. is: still in operation.
 no longer in operation.

I hereby certify that SVC Manufacturing, Inc. is:
 in compliance with the requirements of MSOP **097-19967-00365**.
 not in compliance with the requirements of MSOP **097-19967-00365**.

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:

Indiana Department of Environmental Management
Office of Air Quality
Compliance Data Section
FAX NUMBER – 317-233-6865
and
Indianapolis Office of Environmental Services
Air Compliance
FAX NUMBER – 317-327-2274

MALFUNCTION REPORT

PAGE 1 OF 2

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 TONS/YEAR PARTICULATE MATTER ?____, 25 TONS/YEAR SULFUR DIOXIDE ?____, 25 TONS/YEAR NITROGEN OXIDES?____, 25 TONS/YEAR VOC ?____, 25 TONS/YEAR HYDROGEN SULFIDE ?____, 25 TONS/YEAR TOTAL REDUCED SULFUR ?____, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?____, 25 TONS/YEAR FLUORIDES ?____, 100TONS/YEAR CARBON MONOXIDE ?____, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?____, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?____, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?____, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?____. 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 PERM 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: _____ PHONE NO. () _____
LOCATION: (CITY AND COUNTY) _____
PERMIT NO. _____ AFS PLANT ID: _____ AFS POINT ID: _____ INSP: _____
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: _____

DATE/TIME MALFUNCTION STARTED: ____/____/20____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE ____/____/20____ _____ 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: _____

***SEE PAGE 2**

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. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

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.

***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 Quality
and
City of Indianapolis
Office of Environmental Services**

Technical Support Document (TSD) for a Minor Permit Revision to a
Minor Source Operating Permit (MSOP)

Source Description and Location
--

Source Name:	SVC Manufacturing, Inc.
Source Location:	5858 Decatur Boulevard, Indianapolis, Indiana 46241
County:	Marion
SIC Code:	2086
Operation Permit No.:	M097-19967-00365
Operation Permit Issuance Date:	August 8, 2005
Minor Permit Revision No.:	M097-26593-00365
Permit Reviewer:	Jeffrey Hege

On May 23, 2008, the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), and the City of Indianapolis Office of Environmental Services (OES) received an application from SVC Manufacturing, Inc. related to a modification to an existing beverage manufacturing and packaging plant.

Existing Approvals

The source was issued MSOP Renewal No. M097-19967-00365 on August 12, 2005. The source has since received First Notice-Only Change No. 097-24559-00365, issued on May 3, 2007 and Second Notice-Only Change No. M097-25821-00365 on January 14, 2008.

County Attainment Status

The source is located in Marion County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Attainment effective February 18, 2000, for the part of the city of Indianapolis bounded by 11 th Street on the north; Capitol Avenue on the west; Georgia Street on the south; and Delaware Street on the east. Unclassifiable or attainment effective November 15, 1990, for the remainder of Indianapolis and Marion County.
O ₃	Attainment effective November 8, 2007, for the 8-hour ozone standard. ¹
PM-10	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Attainment effective July 10, 2000, for the part of Franklin Township bounded by Thompson Road on the south; Emerson Avenue on the west; Five Points Road on the east; and Troy Avenue on the north. Attainment effective July 10, 2000, for the part of Wayne Township bounded by Rockville Road on the north; Girls School Road on the east; Washington Street on the south; and Bridgeport Road on the west. The remainder of the county is not designated.
¹ Attainment effective October 18, 2000, for the 1-hour ozone standard for the Indianapolis area, including Marion County, and is a maintenance area for the 1-hour ozone National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X*. The 1-hour designation was revoked effective June 15, 2005. Basic Nonattainment effective April 5, 2005 for PM-2.5.	

(a) Ozone Standards

- (1) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.
- (2) On November 9, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Boone, Clark, Elkhart, Floyd, LaPorte, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan, Shelby, and St. Joseph as attainment for the 8-hour ozone standard.
- (3) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Marion County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) PM-2.5

Marion County has been classified as nonattainment for PM-2.5 in 70 FR 943 dated January 5, 2005. On May 8th, 2008, U.S. EPA promulgated specific New Source Review rules for PM-2.5 emissions, and the effective date of these rules was July 15th, 2008. Therefore, direct PM-2.5 and SO₂ emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.

(c) Other Criteria Pollutants

Marion County has been classified as attainment or unclassifiable in Indiana for SO₂, NOx, CO and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(d) Fugitive emissions

Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD and Part 70 Permit applicability.

Status of the Existing Source

The table below summarizes the potential to emit of the entire source, prior to the proposed revision, after consideration of all enforceable limits established in the effective permits:

Process/Emission Unit	Potential To Emit of the Entire Source (tons/year)							
	PM	PM10	SO ₂	NOx	VOC	CO	Total HAPs	Highest Single HAP
Three (3) 800 HP Boilers (EU SG-01, SG-02 & SG-04)	3.34	3.34	0.26	43.99	2.42	36.95	0.83	0.79 (hexane)
One (1) 600 HP Boiler (EU SG-03)	0.84	0.84	0.07	11.00	0.60	9.24	0.21	0.20 (hexane)
Line Cleaning Operation (EU LC-01)	0	0	0	0	0.37	0	0	0
Cap Coding (EU CC-01)	0	0	0	0	2.02	0	1.95	1.08 (MEK)
Bottle Coding (EU BC-01)	0	0	0	0	0.33	0	0.31	0.31 (glycol ether)
Total PTE of Entire Source	4.18	4.18	0.33	54.99	5.74	46.19	3.30	0.99 (hexane)
These emissions are based upon MSOP Renewal M097-19967-00365 TSD								

Description of Proposed Revision

The Office of Air Quality (OAQ) and Office of Environmental Services (OES) have reviewed an application, submitted by SVC Manufacturing, Inc. on May 23, 2008, relating to a revision to an existing beverage manufacturing and packaging plant. This revision includes a change to the name and SIC code listed in the permit, revision to the description of the boilers and the addition of several miscellaneous activities at the facility.

The source has requested that the name and SIC code on their permit be updated to reflect the most current info. This will be changed from SVC Manufacturing dba Pepsico - QTG to SVC Manufacturing, Inc. and from 2033 to 2086. The source has also requested that the maximum heat input of the four boilers be updated to match what is present at the source. Boilers #1, #2 and #4 will be changed from 33.48 MMBtu/hr to 32.66 MMBtu/hr and Boiler #3 will be changed from 25.11 MMBtu/hr to 16.74 MMBtu/hr. The source has requested that the description of the Line Cleaning Operation and the Cap and Bottle Coding Operation be changed to more accurately reflect the current operating conditions. The source has also requested that several pieces of miscellaneous equipment be added to the permit that was missed when the initial construction permit was issued. This includes a line lubrication process, a batch beverage manufacturing process, some natural gas space heaters, a degreasing operation and a bead blasting unit. The following is a description of the proposed emission units and pollution control devices:

- (a) One (1) line lubricating process, identified as Line Lube, applying a lubricant to the bottle conveyor lines. Emissions generated by this process are not controlled and are vented into the building.
- (b) One (1) beverage batch manufacturing process, identified as Batch Operations, using various flavors and additives. Emissions generated by this process are vented into the building.
- (c) Various natural gas-fired combustion units, with heat input equal to or less than ten million (10,000,000) Btu per hour, including:
 - (1) Five (5) natural gas-fired space heaters, identified as SH-1, SH-2, SH-3, SH-4 and SH-5, with a heat input capacity of 132,000 Btu/hr, for a combined total of 660,000 Btu/hr;
 - (2) Two (2) natural gas-fired hot water heaters, identified as WH-1 and WH-2, with a combined heat input capacity of 5,510,000 Btu/hr;
 - (3) Two (2) natural gas-fired dock door space heaters, identified as DH-1 and DH-2, with a combined heat input capacity of 580,000 Btu/hr.
- (d) Degreasing operations, identified as DO-1, that do not exceed 145 gallons per 12 months.
[326 IAC 8-3-5] [326 IAC 8-3-2]
- (e) One (1) bead blasting machine located in the Maintenance Dept., identified as BB-1, controlled by a fabric filter baghouse with a designed grain loading of less than 0.03 grain/dscf and a gas flow rate of 100 cfm.

Enforcement Issues

There are no pending enforcement actions related to this revision.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – MSOP Revision

The following table is used to determine the appropriate permit level under 326 IAC 2-6.1-6. This table reflects the PTE before controls of the proposed revision. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/Emission Unit	PTE of Proposed Revision (tons/year)								
	PM	PM-10	PM-2.5 **	SO ₂	NO _x	VOC	CO	Total HAPs	Highest Single HAP
Natural Gas Heaters (EU SH-01 – 05, WH-01 & 02, DH-01 & 02)	0.06	0.22	0.22	0.02	2.96	0.16	2.48	0.06	0.05 (hexane)
Bead Blasting (EU BB-1)	9.68	9.68	9.68	0	0	0	0	0	0
Degreasing Operations (EU DO-1)	0	0	0	0	0	0.56	0	0	0
Total PTE of Proposed Revision	9.69	9.74	9.74	0.01	0.74	0.60	0.63	0.02	0.01 (hexane)

** PM-10 = PM-2.5

This MSOP is being revised through a MSOP Minor Permit Revision pursuant to 326 IAC 2-6.1-6(g)(4)(A), because the revision involves the construction of an emission unit with potential to emit (PTE) PM/PM-10/PM-2.5 within the ranges specified in 326 IAC 2-6.1-6(g)(4)(A).

PTE of the Entire Source After Issuance of the MSOP Revision

The table below summarizes the potential to emit of the entire source, with updated emissions shown as **bold** values and previous emissions shown as ~~strikethrough~~ values.

Process/Emission Unit	Potential To Emit of the Entire Source (tons/year)								
	PM	PM-10	PM-2.5 **	SO ₂	NO _x	VOC	CO	Total HAPs	Highest Single HAP
Three (3) 800 HP Boilers (EU SG-01, SG-02 & SG-04)	3.34 3.26	3.34 3.26	3.34 3.26	0.26	43.99 21.46	2.42 2.36	36.95 36.05	0.81	0.77 (hexane)
One (1) 600 HP Boiler (EU SG-03)	0.84 0.56	0.84 0.56	0.84 0.56	0.07 0.04	11.00 7.33	0.60 0.40	9.24 6.16	0.24 0.14	0.19 (hexane) 0.13 (hexane)
Natural Gas Heaters (EU SH-01 – 05, WH-01 & 02, DH-01 & 02)	0.06	0.22	0.22	0.02	2.96	0.16	2.48	0.06	0.05 (hexane)
Line Cleaning Operation (EU LC-01)	0	0	0	0	0	0.37	0	0	0
Cap Coding (EU CC-01)	0	0	0	0	0	1.91	0	1.84	1.08 (MEK)
Bottle Coding (EU BC-01)	0	0	0	0	0	0.33	0	0.31	0.31 (glycol ether)
Bead Blasting (EU BB-1)	9.68	9.68	9.68	0	0	0	0	0	0
Degreasing Operations (EU DO-1)	0	0	0	0	0	0.56	0	0	0
Total Emissions (After Revision)	4.18 13.56	4.18 13.72	4.18 13.72	0.33 0.32	54.99 31.75	5.74 6.09	46.19 44.69	3.30 3.15	0.99 (hexane) 0.96 (hexane)

The table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this MSOP permit revision, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/Emission Unit	Potential To Emit of the Entire Source (tons/year)								
	PM	PM-10	PM-2.5 **	SO ₂	NO _x	VOC	CO	Total HAPs	Highest Single HAP
Three (3) 800 HP Boilers (EU SG-01, SG-02 & SG-04)	3.26	3.26	3.26	0.26	21.46	2.36	36.05	0.81	0.77 (hexane)
One (1) 600 HP Boiler (EU SG-03)	0.56	0.56	0.56	0.04	7.33	0.40	6.16	0.14	0.13 (hexane)
Natural Gas Heaters (EU SH-01 – 05, WH-01 & 02, DH-01 & 02)	0.06	0.22	0.22	0.02	2.96	0.16	2.48	0.06	0.05 (hexane)
Line Cleaning Operation (EU LC-01)	0	0	0	0	0	0.37	0	0	0
Cap Coding (EU CC-01)	0	0	0	0	0	1.91	0	1.84	1.08 (MEK)
Bottle Coding (EU BC-01)	0	0	0	0	0	0.33	0	0.31	0.31 (glycol ether)
Bead Blasting (EU BB-1)	9.68	9.68	9.68	0	0	0	0	0	0
Degreasing Operations (EU DO-1)	0	0	0	0	0	0.56	0	0	0
Total Emissions (After Revision)	13.56	13.72	13.72	0.32	31.75	6.09	44.69	3.15	0.96 (hexane)
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10

MSOP Status

This revision to an existing Title V minor stationary source will not change the minor status, because the uncontrolled/unlimited potential to emit criteria pollutants from the entire source are still less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-6.1 (MSOP).

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) The four (4) boilers, identified as emission units SG-01, SG-02, SG-03, and SG-04, are subject to the New Source Performance Standard for Small Industrial - Commercial - Institutional Steam Generator Units, 40 CFR Part 60.40c, Subpart Dc (326 IAC 12), because they were constructed after June 9, 1989 and have heat input capacities greater than 10 million Btu per hour each.

Applicable portions of the NSPS are the following:

- (1) 40 CFR 60.40(c)
- (2) 40 CFR 60.41(c)
- (3) 40 CFR 60.48(c) (a), (g), (i) and (j)

Nonapplicable portions of the NSPS will not be included in the permit.

The requirements of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated as 326 IAC 12-1, apply to the four (4) boilers except as otherwise specified in 40 CFR 60, Subpart Dc.

- (b) There are no other New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included for this proposed revision.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Halogenated Solvent Cleaning, 40 CFR 63.460, Subpart T (326 IAC 20-6), are not included for this proposed revision, since the Line Cleaning Operation, identified as emission unit LC-01, and the Degreasing Operations, identified as emission unit DO-1, do not contain methylene chloride, perchloroethylene, trichloroethylene, carbon tetrachloride, chloroform, or any combination of these halogenated HAP solvents.

- (d) There are no other National Emission Standards for Hazardous Air Pollutants (NESHAP)(326 IAC 14, 20 and 40 CFR Part 61, 63) included for this proposed revision.

Compliance Assurance Monitoring (CAM)

- (e) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the potential to emit of the source is less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

State Rule Applicability Determination

The following state rules are applicable to the proposed revision:

- (a) 326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))
MSOP applicability is discussed under the Permit Level Determination – MSOP section above.
- (b) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))
This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be less than 250 tons per year, and this source is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1). Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply. See PTE of the Entire Source After Issuance of the MSOP Revision Section above.
- (c) 326 IAC 2-1.1-5 Nonattainment New Source Review
Marion County has been classified as nonattainment for PM-2.5 in 70 FR 943 dated January 5, 2005. On May 8th, 2008, U.S. EPA promulgated specific New Source Review rules for PM-2.5 emissions, and the effective date of these rules was July 15th, 2008. Therefore, direct PM-2.5 and SO₂ emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. PM-2.5 and SO₂ emissions, from this source are less than one hundred (100) tons per twelve (12) consecutive month period. Therefore, this source is not subject to nonattainment new source review requirements for PM-2.5 emissions.
- (d) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The proposed revision is not subject to the requirements of 326 IAC 2-4.1, since the unlimited potential to emit of HAPs from the source is less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.
- (e) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
- (f) 326 IAC 5-1 (Opacity Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
- (1) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (g) 326 IAC 6.5 (Particulate Matter Limitations)
This source does not have potential particulate matter emissions greater than 100 tons per year and actual PM emission are less than 10 tons per year. Therefore, 326 IAC 6.5-1 does not apply.

State Rule Applicability - Individual Facilities

Boilers (Emission Units SG-01, SG-02, SG-03, and SG-04)

- (h) 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating)
Pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating) the Particulate Matter (PM) emissions from emission units SG-01, SG-02, SG-03 and SG-04 shall be limited to 0.32 lbs/MMBtu. This limitation is based on the following equation:

$$Pt = 1.09 / Q^{0.26} \quad \text{where:} \quad \begin{array}{l} Pt = \text{emission rate limit (lbs/MMBtu/hr)} \\ Q = \text{total source heat input capacity (MMBtu/hr). The total source} \\ \quad \text{maximum heat input capacity is 114.7 MMBtu/hr} \end{array}$$

Degreasing Operations (Emission Unit DO-1)

- (j) 326 IAC 8-3 (Organic Solvent Degreasing Operations)
The Degreasing Operations (EU DO-1) are subject to the following:

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the owner or operator shall:

- (1) Equip the cleaner with a cover;
- (2) Equip the cleaner with a facility for draining cleaned parts;
- (3) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (5) Provide a permanent, conspicuous label summarizing the operation requirements; and
- (6) 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.

- (i) 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control)
The Degreasing Operations (EU DO-1) are subject to the following:

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

- (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 (38°C) (one hundred degrees Fahrenheit (100°F));
 - (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 (38°C) (one hundred degrees Fahrenheit (100°F)), 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 (38^oC) (one hundred degrees Fahrenheit (100^oF)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^oC) (one hundred twenty degrees Fahrenheit (120^oF)):
 - (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 or carbon adsorption. Such systems shall be submitted to the USEPA as a SIP revision.
 - (6) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the Permittee shall ensure that the following operating requirements are met:
 - (A) Close the cover whenever articles are not being handled in the degreaser.
 - (B) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (C) 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.

Bead Blasting Machine (Emission Unit BB-1)

- (j) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) the Particulate Matter (PM) emissions from the Bead blasting Machine, identified as Emission Unit BB-1, shall be limited to 0.94 lbs/hr when operating at a process weight rate of 0.111 tons per hour. This limitation is based on the following equation:

Interpolation of the data in this table for process weight rates 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.
P = Process weight rate in tons per hour.

The baghouse on the bead blasting machine shall be in operation at all times that the bead blasting machine is in operation, in order to comply with this limit. Based on calculations (see Appendix A, page 4), the source will be able to comply with this particulate matter limit.

Proposed Changes

- (a) The following changes listed below are due to the proposed revision. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:
 - (1) The source is requesting that the facility name be changed from SVC Manufacturing dba Pepsico – QTG to SVC Manufacturing, Inc. This change will be made on the cover page and throughout the permit, as follows:

SVC Manufacturing ~~dba Pepsico – QTG~~ , Inc.

- (2) The source is requesting that the SIC code in section A.1 of the permit be updated to 2086, Bottled and Canned Soft Drinks and Carbonated Waters. This SIC code more accurately depicts the facilities operations.

On November 8, 2007, a temporary emergency rule took effect redesignating Marion County to attainment for the eight-hour ozone standard. On May 8, 2008, U.S. EPA promulgated specific New Source review rules for PM-2.5 emissions, and the effective date of these rules was July 15th, 2008. Therefore, direct PM-2.5 and SO₂ emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. This document reflects the change in attainment status for Marion County regarding criteria pollutants.

The General Information section of the permit has been updated to reflect these changes in condition A.1, as follows:

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 beverages manufacturing source.

Source Address: 5858 Decatur Boulevard, Indianapolis, Indiana 46241
Mailing Address: 5858 Decatur Boulevard, Indianapolis, Indiana 46241
General Source Phone: (317) 821-6400
SIC Code: ~~2033~~ **2086**
County Location: Marion County
~~Nonattainment for ozone under the 8-hour standard~~
Nonattainment for PM2.5
Attainment for all other criteria pollutants.
Source Status: Minor Source Operating Permit
Minor Source, under PSD and ~~Emission Offset Rules~~
Nonattainment NSR
Minor Source, Section 112 of the Clean Air Act

- (3) The source is requesting that the description of the boilers in Section A.2(a) and (b) and Section D.1, the Line Cleaning Operation in Section A.2(c), and the Bottle and Cap Coding Process in Section A.2(d) of the permit be updated to more accurately reflect the equipment that is present at the source. Steam boilers #1, #2, and #4 (EU SG-01, SG-02, and SG-04) have a maximum heat input capacity of 32.66 MMBtu/hr each and are equipped with low NOx burners. Boiler #3 (EU SG-03) has a maximum heat input capacity of 16.74 MMBtu/hr. These changes are made to section A.2(a) and (b) and Section D.1 of the permit, 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:

- (a) Three (3) Steam Boilers manufactured by Cleaver Brooks, identified as Emission Units SG-01, SG-02, and SG-04, with a maximum heat input capacity of **32.66** ~~33.48~~ million British Thermal Units per hour (MMBtu/hr) each, capable of firing natural gas only. The emissions from these boilers are ~~not~~ controlled **by low NOx burners** and are exhausted out the stacks identified as Stack ID 01, ID 02, and ID 04 respectively. Boilers SG-01 and SG-02 were constructed in 2000, boiler SG-04 - in 2003.
- (b) One (1) Steam Boiler, identified as Emission Unit SG-03, with a maximum heat input capacity of **16.74** ~~25.11~~ million British Thermal Units per hour (MMBtu/hr), capable of firing natural gas only. The emissions from this boiler are not controlled and are exhausted out one stack identified as Stack I.D. 03. Boiler SG-03 was constructed in 2000.
- (c) Line Cleaning Operation, identified as Emission Unit LC-01, using ~~Acidic Halogen Sanitizer, Chlorinated Foam Cleaner, and Low Foam Chlorinated Detergent with maximum usage of 400 gallons per year~~ **various sanitizers, cleaners, and detergents.**

- (d) ~~Cap and Bottle~~ **and Case** Coding Process, identified as Emission Unit CC-01, involves the application of videojet ink on the ~~bottle caps~~ **bottles and cases**. ~~The maximum estimated ink usage rate is 0.07 gallons per hour.~~ Emissions generated by this process are not controlled and are vented into the building.

...

SECTION D.1

EMMISSIONS UNITS OPERATION CONDITIONS

Emissions Unit Description:

- (a) Three (3) Steam Boilers manufactured by Cleaver Brooks, identified as Emission Units SG-01, SG-02, and SG-04, with a maximum heat input capacity of ~~32.66~~ ~~33.48~~ million British Thermal Units per hour (MMBtu/hr) each, capable of firing natural gas only. The emissions from these boilers are ~~not~~ controlled **by low NOx burners** and are exhausted out the stacks identified as Stack ID 01, ID 02, and ID 04 respectively. Boilers SG-01 and SG-02 were constructed in 2000, boiler SG-04 - in 2003.
- (b) One (1) Steam Boiler, identified as Emission Unit SG-03, with a maximum heat input capacity of ~~16.74~~ ~~25.44~~ million British Thermal Units per hour (MMBtu/hr), capable of firing natural gas only. The emissions from this boiler are not controlled and are exhausted out one stack identified as Stack ID 03. Boiler SG-03 was constructed in 2000.

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

....

D.1.2. Particulate Matter Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]

- (a) Pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating) the Particulate Matter (PM) emissions from emission units SG-01, SG-02, SG-03 and SG-04 shall be limited to 0.32 lbs/MMBtu.
- (b) This limitation is based on the following equation:

$$Pt = 1.09 / Q^{0.26}$$

where:

Pt = emission rate limit (lbs./MMBtu/hr)

Q = total source heat input capacity (MMBtu/hr). The total source maximum heat input capacity is ~~425.55~~ **114.7** MMBtu/hr

- (4) The source is requesting that several emission units be added to the Emissions Units and Pollution Control Equipment Summary section in Section A.2 of the permit to more accurately reflect the equipment that is located at the facility. These changes include the addition of a line lubrication process, a batch beverage manufacturing process, some natural gas space heaters, a degreasing operation and a bead blasting unit. The line lubrication process automatically adds a lubricant to conveyor so that the bottles will slide along the conveyor and remain standing throughout the process. The lubricant does not contain any VOCs, therefore, no criteria pollutant are emitted by this process. The batch beverage manufacturing process involves the addition of a liquid and various additives to the bottle. This is an aqueous process, therefore, negligible quantities of criteria pollutants are emitted by this process. The natural gas space heaters are small (1.7 MMBtu/hr total) and their emissions are calculated in the attached (TSD Appendix A, pages 8 & 9). The degreasing operations use less than 145 gallons/yr of solvent which contains 7.45 lbs/gallon VOC and the emissions are calculated in the attached (TSD Appendix A, page 7).

The requirements of 326 IAC 8-3-2 and 8-3-5 are added to the permit. The bead blasting machine is a cabinet equipped with one (1) 1/4" nozzle operating at a pressure of 70 psig and controlled by a baghouse (see attached calculations in Appendix A, page 4). These changes will be made to section A.2, D.2 and D.3 of the permit, 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:

....

- (f) One (1) line lubricating process, identified as Line Lube, applying a lubricant to the bottle conveyor lines. Emissions generated by this process are not controlled and are vented into the building.**
- (g) One (1) beverage batch manufacturing process, identified as Batch Operations, using various flavors and additives. Emissions generated by this process are vented into the building.**
- (h) Various natural gas-fired combustion units, with heat input equal to or less than ten million (10,000,000) Btu per hour, including:**
 - (1) Five (5) natural gas-fired space heaters, identified as SH-1, SH-2, SH-3, SH-4 and SH-5, each with a heat input capacity of 132,000 Btu/hr, for a combined total of 660,000 Btu/hr;**
 - (2) Two (2) natural gas-fired hot water heaters, identified as WH-1 and WH-2, with a combined heat input capacity of 5,510,000 Btu/hr;**
 - (3) Two (2) natural gas-fired dock door space heaters, identified as DH-1 and DH-2, with a combined heat input capacity of 580,000 Btu/hr.**
- (i) Degreasing operations, identified as DO-1, that do not exceed 145 gallons per 12 months. [326 IAC 8-3-5] [326 IAC 8-3-2]**
- (j) One (1) bead blasting machine located in the Maintenance Dept., identified as BB-1, controlled by a fabric filter baghouse with a designed grain loading of less than 0.03 grain/dscf and a gas flow rate of 100 cfm.**

....

SECTION D.2 EMISSIONS UNITS OPERATION CONDITIONS

Emissions Unit Description:

- (i) Degreasing operations, identified as DO-1, that do not exceed 145 gallons per 12 months. [326 IAC 8-3-5] [326 IAC 8-3-2]**

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

Emission Limitations and Standards

D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee 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 requirement;
- (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.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

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

- (a) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (1) 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 (38°C) (one hundred degrees Fahrenheit (100°F));
 - (2) the solvent is agitated; or
 - (3) the solvent is heated.
- (b) 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 (38°C) (one hundred degrees Fahrenheit (100°F)), 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.
- (c) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
- (d) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
- (e) 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 (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent used is insoluble in, and heavier than water.

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

- (f) The owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:
 - (A) Close the cover whenever articles are not being handled in the degreaser.
 - (B) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (C) 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.

SECTION D.3 EMISSIONS UNITS OPERATION CONDITIONS

Emissions Unit Description:

- (j) One (1) bead blasting machine located in the Maintenance Dept., identified as BB-1, controlled by a fabric filter baghouse with a designed grain loading of less than 0.03 grain/dscf and a gas flow rate of 100 cfm.

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

Emission Limitations and Standards

D.3.1 Emission Limitations for Manufacturing Processes [326 IAC 6-3]

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from BB-1 shall not exceed 0.94 pounds per hour when operating at a process weight rate of 0.111 tons per hour. The pound per hour limitation was calculated with the following equation:

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

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

Compliance Determination Requirements

D.3.2 Particulate Control

In order to comply with condition D.3.1, the baghouse for particulate control on the bead blast machine (BB-1) shall be in operation and control emissions from the bead blast machine at all times that the bead blast machine is in operation.

- (b) Upon further review, IDEM, OAQ and OES has decided to make the following changes to the permit. Deleted language appears as ~~strike through~~ text and new language appears as **bold** text:
 - (1) On June 6, 2008, changes to 326 IAC 2-6.1-7 (Minor Source Operating Permit Program) concerning the minor source operating permit renewal application submittal deadline became effective. Therefore, the following changes to Condition B.7 of M097-19967-00365 were made:

B.7 Permit Renewal [326 IAC 2-6.1-7]

...

- (b) A timely renewal application is one that is:
- (1) Submitted at least **one hundred twenty (120)** ~~ninety (90)~~ days prior to the date of the expiration of this permit; and
 - (2) 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 and OES on or before the date it is due.

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on May 23, 2008 with additional information received on July 7, 2008, August 8, 2008 and August 26, 2008.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed MSOP Minor Revision No. 097-26593-00365. The staff recommends to the Administrator that this MSOP Minor Revision be approved.

OES Contact

- (a) Questions regarding this proposed minor permit revision can be directed to Jeffrey Hege at the Indianapolis Office of Environmental Services, Permits Section, 2700 South Belmont, Indianapolis, Indiana 46221 or by telephone at (317) 327-2234.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov.

**Appendix A: Emissions Calculations
SUMMARY EMISSIONS**

Company Name: SVC Manufacturing, Inc.
Address City IN Zip: 5858 Decatur Blvd., Indianapolis, Indiana, 46241
Permit Number: M097-26593-00365
Reviewer: Jeffrey Hege
Date: 8/27/2008

Process	POTENTIAL TO EMIT AFTER ISSUANCE (tons per year)							
	PM	PM-10	SO ₂	NO _x	VOC	CO	Single HAP	Combined HAPs
Three (3) 800 HP Boilers	3.26	3.26	0.26	21.46	2.36	36.05	0.772 (hexane)	0.809
One (1) 600 HP Boiler	0.56	0.56	0.04	7.33	0.4	6.16	0.132 (hexane)	0.1384
Natural Gas Heaters	0.06	0.22	0.018	2.96	0.16	2.48	0.0532 (hexane)	0.0558
Line Cleaning Operation	0	0	0	0	0.37	0	0	0
Cap Coding	0	0	0	0	1.91	0	1.02 (MEK)	1.84
Bottle Coding	0	0	0	0	0.33	0	0.31 (glycol ether)	0.31
Bead Blasting	9.68	9.68	0	0	0	0	0	0
Degreasing Operations	0	0	0	0	0.563	0	0	0
TOTAL	13.56	13.72	0.32	31.75	6.09	44.69	0.957 (hexane)	3.15

Source	POTENTIAL TO EMIT BEFORE ISSUANCE * (tons per year)						
	PM	PM-10	SO ₂	NO _x	VOC	CO	HAP
Three (3) 800 HP Boilers	3.34	3.34	0.26	43.99	2.42	36.95	0.83
One (1) 600 HP Boiler	0.84	0.84	0.07	11.00	0.60	9.24	0.21
Line Cleaning Operation	0	0	0	0	0.37	0	0
Cap Coding	0	0	0	0	2.02	0	1.95
Bottle Coding	0	0	0	0	0.33	0	0.31
TOTAL	4.18	4.18	0.33	54.99	5.74	46.19	3.30

* These emissions are based upon MSOP Renewal M097-19967-00365 TSD

**Appendix A: Emission Calculations
Natural Gas Combustion Only
MMBTU/HR<100
Steam Boiler**

Company Name: SVC Manufacturing, Inc.
Address City IN Zip: 5858 Decatur Blvd., Indianapolis, Indiana, 46241
Permit Number: M097-26593-00365
Reviewer: Jeffrey Hege
Date: 8/27/2008

Emission Unit	Heat Input Capacity MMBtu/hr
SG-01	32.66
SG-02	32.66
SG-04	32.66
Total	98.0

Potential Throughput
MMCF/yr

858.3

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NO _x	VOC	CO
	7.6	7.6	0.6	50.0 **see below	5.5	84.0
Potential Emission in tons/yr	3.26	3.26	0.26	21.46	2.36	36.05

*PM and PM₁₀ emission factors are filterable and condensable PM and PM₁₀ combined.

**Emission Factors for NO_x: Uncontrolled = 100, Low NO_x Burner = 50, Low NO_x 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 from AP-42, Chapter 1.4, Tables 1.4-1, 1.4-2, and 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (AP-42 Supplement D 3/98)

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

See next page for HAPs emissions calculations.

**Appendix A: Emission Calculations
Natural Gas Combustion Only
MMBTU/HR<100
Steam Boiler**

Company Name: SVC Manufacturing, Inc.
Address City IN Zip: 5858 Decatur Blvd., Indianapolis, Indiana, 46241
Permit Number: M097-26593-00365
Reviewer: Jeffrey Hege
Date: 8/27/2008

HAPs - Organics

	Benzene	Dichlorobenzene	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	0.001	0.001	0.032	0.772	0.001

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	0.0002	0.0005	0.0006	0.0002	0.0009	HAP Total 0.809

Methodology is the same as previous page.

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

**Appendix A: Emission Calculations
Natural Gas Combustion Only
MMBTU/HR<100
Steam Boiler**

Company Name: SVC Manufacturing, Inc.
Address City IN Zip: 5858 Decatur Blvd., Indianapolis, Indiana, 46241
Permit Number: M097-26593-00365
Reviewer: Jeffrey Hege
Date: 8/27/2008

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

16.7
(EU SG-03)

146.6

	Pollutant					
Emission Factor in lb/MMCF	PM* 7.6	PM10* 7.6	SO2 0.6	NO _x 100.0 **see below	VOC 5.5	CO 84.0
Potential Emission in tons/yr	0.56	0.56	0.04	7.33	0.40	6.16

*PM and PM₁₀ emission factors are filterable and condensable PM and PM₁₀ combined.

**Emission Factors for NO_x: Uncontrolled = 100, Low NO_x Burner = 50, Low NO_x 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 from AP-42, Chapter 1.4, Tables 1.4-1, 1.4-2, and 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (AP-42 Supplement D 3/98)

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

**Appendix A: Emission Calculations
Natural Gas Combustion Only
MMBTU/HR<100
Steam Boiler**

Company Name: SVC Manufacturing, Inc.
Address City IN Zip: 5858 Decatur Blvd., Indianapolis, Indiana, 46241
Permit Number: M097-26593-00365
Reviewer: Jeffrey Hege
Date: 8/27/2008

HAPs - Organics

Emission Factor in lb/MMCF	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	0.0002	0.0001	0.0055	0.1320	0.0002

HAPs - Metals

Emission Factor in lb/MMCF	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03	
Potential Emission in tons/yr	0.0000	0.0001	0.0001	0.0000	0.0002	HAP Total 0.1384

Methodology is the same as previous page.

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

Appendix A: Emission Calculations
Abrasive Blasting - Confined
Bead Blast Machine (EU BB-1)

Company Name: SVC Manufacturing, Inc.
Address City IN Zip: 5858 Decatur Blvd., Indianapolis, Indiana, 46241
Permit Number: M097-26593-00365
Reviewer: Jeffrey Hege
Date: 8/27/2008

Table 1 - Emission Factors for Abrasives

Abrasive	Emission Factor	
	lb PM / lb abrasive	lb PM10 / lb PM
Sand	0.041	0.70
Grit	0.010	0.70
Steel Shot	0.004	0.86
Other	0.010	

Table 2 - Density of Abrasives (lb/ft3)

Abrasive	Density (lb/ft3)
Al oxides	160
Sand	99
Steel	487
glass bead	100

Table 3 - Sand Flow Rate (FR1) Through Nozzle (lb/hr)

Flow rate of Sand Through a Blasting Nozzle as a Function of Nozzle pressure and Internal Diameter

Internal diameter, in	Nozzle Pressure (psig)							
	30	40	50	60	70	80	90	100
1/8	28	35	42	49	55	63	70	77
3/16	65	80	94	107	122	135	149	165
1/4	109	138	168	195	221	255	280	309
5/16	205	247	292	354	377	420	462	507
3/8	285	355	417	477	540	600	657	720
7/16	385	472	560	645	755	820	905	940
1/2	503	615	725	835	945	1050	1160	1265
5/8	820	990	1170	1336	1510	1680	1850	2030
3/4	1140	1420	1670	1915	2160	2400	2630	2880
1	2030	2460	2900	3340	3780	4200	4640	5060

Calculations

Adjusting Flow Rates for Different Abrasives and Nozzle Diameter

Flow Rate (FR) = Abrasive flow rate (lb/hr) with internal nozzle diameter (ID)

FR1 = Sand flow rate (lb/hr) with internal nozzle diameter (ID1) From Table 3 =

D = Density of abrasive (lb/ft3) From Table 2 =

D1 = Density of sand (lb/ft3) =

ID = Actual nozzle internal diameter (in) =

ID1 = Nozzle internal diameter (in) from Table 3 =

221
100
100
0.25
0.25

Flow Rate (FR) (lb/hr) = 221.000 per nozzle

Uncontrolled Emissions (E, lb/hr)

EF = emission factor (lb PM/ lb abrasive) From Table 1 =

FR = Flow Rate (lb/hr) =

w = fraction of time of wet blasting =

N = number of nozzles =

0.010
221.000
0 %
1

**Uncontrolled Emissions = 2.21 lb/hr
9.68 ton/yr**

**Baghouse controlled Emissions = 0.11 lb/hr
0.48 ton/yr**

**Process Weight Rule Calculation = $E = 4.10 P^{0.67}$ Where: E = Emission rate (lb/hour)
= 0.94 P = Process weight rate (tons/hour)**

METHODOLOGY

PM = PM10

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)

Ton/yr = lb/hr X 8760 hr/yr X ton/2000 lbs

Flow Rate (FR) (lb/hr) = FR1 x (ID/ID1)2 x (D/D1)

E = EF x FR x (1-w/200) x N

**Appendix A: Emission Calculations
Miscellaneous Activities**

Company Name: SVC Manufacturing, Inc.
Address City IN Zip: 5858 Decatur Blvd., Indianapolis, Indiana, 46241
Permit Number: M097-26593-00365
Reviewer: Jeffrey Hege
Date: 8/27/2008

Line Cleaning Operation

Maximum Usage Rate:	400	gal/yr	
Density of Solvent:	9.19	lbs/gal	
% VOC by Wt.:	0.2		
Potential VOC emissions:	0.37	tons/yr	
Permit Status:	Insignificant less than 10 tons/yr and source is not major for VOC		
Applicable Regulations:	None		

Cap Coding Operation - Videojet ink and makeup fluid usage

Maximum Usage Rate:	580	gal/yr	
Density of ink as applied:	6.91	lbs/gal	
Lbs VOC/Gal as applied:	6.58		
Potential VOC emissions:	1.91	tons/yr	
% MEK by Wt.:	51.00%		
Potential MEK emissions:	1.02	tons/yr	1.84
% Methanol by Wt.:	41.00%		
Potential Methanol emissions	0.82	tons/yr	
Permit Status:	Significant since single HAP > 1 tons/yr		
Applicable Regulations:	None		

Bottle Coding - Marsh ink usage

Maximum Usage Rate:	980	gal/yr	
Density of ink as applied:	8.43	lbs/gal	
Lbs VOC/Gal:	0.675		
Potential VOC emissions:	0.33	tons/yr	
% Glycol Ether by Wt.:	7.50%		
Potential Glycol Ether emissions	0.31	tons/yr	
Permit Status:	Insignificant less than 10 tons/yr and source is not major for VOC		
Applicable Regulations:	None		

Degreasing Operations

VOC Emissions = Density X Weight % Volatile X usage
= 7.77 lb/gal X 100 X 145 gallons
= 1,126.7 lbs (0.563 tons/yr)

There are no HAPs present in the cleaning solvent

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

Company Name: SVC Manufacturing, Inc.
Address City IN Zip: 5858 Decatur Blvd., Indianapolis, Indiana, 46241
Permit Number: M097-26593-00365
Reviewer: Jeffrey Hege
Date: 8/27/2008

Emission Unit	Heat Input Capacity
	MMBtu/hr
SH-1	0.132
SH-2	0.132
SH-3	0.132
SH-4	0.132
SH-5	0.132
WH-1	5
WH-2	0.51
DH-1	0.29
DH-2	0.29
Total	6.7500

Potential Throughput
MMCF/yr

59.1

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.06	0.22	0.018	2.96	0.16	2.48

*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
Heaters
HAPs Emissions

Company Name: SVC Manufacturing, Inc.
Address City IN Zip: 5858 Decatur Blvd., Indianapolis, Indiana, 46241
Permit Number: M097-26593-00365
Reviewer: Jeffrey Hege
Date: 8/27/2008

HAPs - Organics						
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03	
Potential Emission in tons/yr	6.209E-05	3.548E-05	2.217E-03	0.0532	1.005E-04	
HAPs - Metals						
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03	
Potential Emission in tons/yr	1.478E-05	3.252E-05	4.139E-05	1.123E-05	6.209E-05	HAP Total 0.0558

Methodology is the same as page 8.

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