



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding a
Significant Revision to a
Federally Enforceable State Operating Permit (FESOP)

for Zachary Confections, Inc. in Clinton County

Significant Permit Revision No.: 023-35896-00039

The Indiana Department of Environmental Management (IDEM) has received an application from Zachary Confections, Inc., located at 2130 W SR 28, Frankfort, Indiana, for a significant revision of its FESOP issued on May 19, 2010. If approved by IDEM's Office of Air Quality (OAQ), this proposed revision would allow Zachary Confections, Inc. to make certain changes at its existing source. Zachary Confections, Inc. has applied to install three (3) new belt polishers and revise an existing 326 IAC 2-7 and 326 IAC 8-1-6 avoidance limit.

The applicant intends to construct and operate new equipment that will emit air pollutants; therefore, the permit contains new or different permit conditions. In addition, some conditions from previously issued permits/approvals have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes (e.g., changes that add or modify synthetic minor emission limits). The potential to emit of any regulated air pollutants will continue to be limited to less than the Title V and PSD major threshold levels. IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow the applicant to make this change.

A copy of the permit application and IDEM's preliminary findings are available at:

Frankfort Community/Clinton County Contractual Public Library
208 W. Clinton Street
Frankfort, Indiana 46041

A copy of the preliminary findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

How can you participate in this process?

The date that this notice is published in a newspaper marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number SPR No.: 023-35896-00039 in all correspondence.

Comments should be sent to:

Angela Taylor
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension 4-5329
Or dial directly: (317) 234-5329
Fax: (317) 232-6749 attn: Angela Taylor
E-mail: ATAYLOR@idem.IN.gov

All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor, or noise. For such issues, please contact your local officials.

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above, at the local library indicated above and the IDEM public file room on the 12th floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.

If you have any questions, please contact Angela Taylor or my staff at the above address.



Chrystal A. Wagner, Section Chief
Permits Branch
Office of Air Quality



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Jeremy Simpson, Plant Engineer
Zachary Confections, Inc.
P.O. Box 219
Frankfort, IN 46041

Re: 023-35896-00039
Significant Revision to
F023-28687-00039

Dear Jeremy Simpson:

Zachary Confections, Inc., was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F023-28687-00039 on May 19, 2010 for a stationary candy manufacturing plant located at 2130 West State Road 28, Frankfort, Indiana. On June 2, 2015, the Office of Air Quality (OAQ) received an application from the source requesting to install three (3) new belt polishers and to revise an existing 326 IAC 2-7 and 326 IAC 8-1-6 avoidance limit. The attached Technical Support Document (TSD) provides additional explanation of the changes to the source/permit. Pursuant to the provisions of 326 IAC 2-8-11.1, these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-8-11.1(f). Pursuant to the provisions of 326 IAC 2-8-11.1, a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit.

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire FESOP as revised. The permit references the below listed attachment. Since this attachment has been provided in previously issued approvals for this source, IDEM OAQ has not included a copy of this attachment with this revision:

Attachment A: 40 CFR Part 60, Subpart Dc, NSPS for Small Industrial-Commercial-Institutional Steam Generating Units

Previously issued approvals for this source containing these attachments are available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

Federal rules under Title 40 of United States Code of Federal Regulations may also be found on the U.S. Government Printing Office's Electronic Code of Federal Regulations (eCFR) website, located on the Internet at: http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title40/40tab_02.tpl.

A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/ide/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/ide/6900.htm>.

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 Angela Taylor of my staff at 317-234-5329 or 1-800-451-6027, and ask for extension 4-5329.

Sincerely,

Chrystal Wagner, Section Chief
Permits Branch
Office of Air Quality

Attachments: Technical Support Document and revised permit

CW/APT

cc: File - Clinton County
Clinton County Health Department
U.S. EPA, Region V
Compliance and Enforcement Branch



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Federally Enforceable State Operating Permit Renewal OFFICE OF AIR QUALITY

**Zachary Confections, Inc.
2130 West State Road 28
Frankfort, Indiana 46041**

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

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

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 FESOP under 326 IAC 2-8.

Operation Permit No.: F023-28687-00039	
Original Issued/Signed by: Alfred C. Dumauval, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: May 19, 2010 Expiration Date: May 19, 2020
Administrative Amendment No. 023-29525-00039, issued on August 30, 2010; Administrative Amendment No. 023-33001-00039, issued on April 16, 2013; Administrative Amendment No. 023-33264-00039, issued on July 23, 2013; Administrative Amendment No. 023-34413-00039, issued on June 26, 2014; Administrative Amendment No. 023-34893-00039, issued on October 8, 2014;	
Significant Permit Revision No. 023-35896-00039	
Issued by: Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: Expiration Date: May 19, 2020



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Attachment A - 40 CFR Part 60, Subpart Dc, NSPS for Small Industrial-Commercial-Institutional Steam
Generating Units

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SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary candy manufacturing plant.

Source Address:	2130 W SR 28, Frankfort, Indiana 46041
General Source Phone Number:	(765) 659-4751
SIC Code:	2064
County Location:	Clinton
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program
	Minor Source, under PSD
	Minor Source, Section 112 of the Clean Air Act
	Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) natural gas-fired boiler, identified as EU-1, with a maximum heat input capacity of 25 MMBtu per hour, installed in 1997, and exhausting to stack S1.

Under the NSPS for Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR 60.40c, Subpart Dc) the boiler, identified as EU-1, is considered an affected facility.
- (b) Two (2) natural gas-fired boilers, identified as EU-2 and EU-3, each with a maximum heat input capacity of 12.6 MMBtu per hour, both installed in 1958, and exhausting to stacks S2 and S3.
- (c) Two (2) belt polishers, identified as EU-4 and EU-5, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, both installed in 2000, and exhausting to stacks S4 and S5.
- (d) Two (2) belt polishers, identified as EU-6 and EU-7, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, both installed in 2003, and exhausting to stacks S6 and S7.
- (e) Two (2) belt polishers, identified as EU-27 and EU-28, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, installed in 2010, and exhausting to stacks S27 and S28.
- (f) Two (2) belt polishers, identified as EU-29 and EU-30, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, approved in 2013 for construction, and exhausting to stacks S29 and S30.
- (g) One (1) coater & polisher unit, identified as EU-8, with a maximum throughput capacity of 720 pounds of candy per hour and 1.48 pounds of polish per hour, installed in 1997, and exhausting to stack S8.

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- (h) One (1) candy corn drum coater, identified as EU-9, with a maximum throughput capacity of 7,816 pounds of candy per hour and maximum usage of rate 35.56 pounds of candy coating per hour, installed in 2002, and exhausting to stack S9.
- (i) One (1) candy corn drum polisher, identified as EU-10, with a maximum throughput capacity of 7,816 pounds of candy per hour and maximum usage rate 19.15 pounds of candy coating per hour, installed in 2002, and exhausting to stack S9.
- (j) Mogul operations
 - (1) One (1) Mogul 1, a mold preparation unit, identified as EU-11, with a maximum throughput capacity of 10,286 pounds of candy per hour, using an integral fabric filter and dust collector DC1M1 for particulate control, installed in 1985, and exhausting to stack S10.
 - (2) One (1) Mogul 1, a starch conditioning unit, identified as EU-12 with a maximum throughput capacity of 19,842 pounds of starch per hour, using an integral fabric filter and dust collector DC1M1 for particulate control, installed in 1985, and exhausting to stack S10.
 - (3) One (1) Mogul 2, a mold preparation unit, identified as EU-13, with a maximum throughput capacity of 10,857 pounds of candy per hour, using an integral fabric filter and dust collector DC1M1 for particulate control, installed in 1995, and exhausting to stack S10.
 - (4) One (1) Mogul 2, a starch conditioner dryer, identified as EU-14, with a maximum throughput capacity of 19,842 pounds of starch per hour, using an integral fabric filter and dust collector DC2M2 for particulate control, installed in 1995, and exhausting to stack S11.
 - (5) One (1) Mogul 2, a starch conditioner cooler, identified as EU-15, with a maximum throughput capacity of 19,842 pounds of starch per hour, using an integral fabric filter and dust collector DC3M2 for particulate control, installed in 1995, and exhausting to stack S12.
 - (6) One (1) Mogul 3, a mold preparation unit, identified as EU-16, with a maximum throughput capacity of 7,816 pounds of candy per hour, using an integral fabric filter and dust collector DC1M3 for particulate control, installed in 2002, and exhausting indoors.
 - (7) One (1) Mogul 3, a starch conditioner dryer, identified as EU-17, with a maximum throughput capacity of 19,842 pounds of starch per hour, using an integral fabric filter and dust collector DC2M3 for particulate control, installed in 2002, and exhausting to stack S14.
 - (8) One (1) Mogul 3, a starch conditioner cooler, identified as EU-18, with a maximum throughput capacity of 19,842 pounds of starch per hour, using an integral fabric filter and dust collector DC3M3 for particulate control, installed in 2002, and exhausting to stack S15.
- (k) One (1) laser cleaner, identified as EU-19, with a maximum throughput capacity of 7,816 pounds of candy per hour, using an integral fabric filter and dust collector DC1LC1 for particulate control, installed in 2002, and exhausting indoors.
- (l) Six (6) dust top lines, identified as EU-20 through EU-25, each with a maximum throughput capacity of 4,222 pounds of candy per hour, using an integral fabric filters and dust collectors DC1DT through DC7DT for particulate control, all installed prior to 1989, and exhausting indoors.

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- (m) Two (2) belt polishers, identified as EU-31 and EU-32, to be constructed in 2013, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, and exhausting to stacks S31 and S32.
- (n) Two (2) laser cleaners, identified as EU-33 and EU-34, to be constructed in 2013, each with a maximum throughput capacity of 7,816 pounds of candy per hour, using integral fabric filters and dust collectors DC2LC2 and DC3LC3 for particulate control, exhausting indoors.
- (o) Three (3) belt polishers, identified as EU-35, EU-36, and EU-37 to be constructed in 2014, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, and exhausting to stacks S35, S36 and S37, respectively.
- (p) Three (3) belt polishers, identified as EU-38, EU-39, and EU-40, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, approved in 2015 for construction and exhausting to stacks S38, S39 and S40.

A.3 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities:

- (a) Degreasing operations that do not exceed one hundred forty-five (145) gallons per twelve (12) months, except if subject to 326 IAC 20-6 as follows:
 - (1) One (1) Heritage-Crystal Clean parts washer, with a maximum capacity of 30 gallons, installed in 2000, and exhausting indoors. [326 IAC 8-3-2][326 IAC 8-3-8]
- (b) Paved roads and parking lots with public access. [326 IAC 6-4]
- (c) Three (3) dust collectors, identified as DC8, DC9 and DC10, each with a design grain loading of less than or equal to one one-hundredths (0.01) grains per actual cubic foot and a gas flow rate less than or equal to three thousand (3,000) actual cubic feet per minute, approved in 2010 for construction, and exhausting indoors.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) to renew a Federally Enforceable State Operating Permit (FESOP).

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SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-8-1]

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 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

- (a) This permit, F023-28687-00039, 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, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.3 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.4 Enforceability [326 IAC 2-8-6] [IC 13-17-12]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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B.8 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

- (a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:
- (i) it contains a certification by an "authorized individual", as defined by 326 IAC 2-1.1-1(1), and
 - (ii) the certification is based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

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B.11 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)]

- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

- (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.

The Permittee shall implement the PMPs.

- (b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, 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.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ 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. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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.

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B.12 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,
Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality,
Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

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

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.

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- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to F023-28687-00039 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

B.14 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

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B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.16 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "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 Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
 - (1) Submitted at least nine (9) months 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 on or before the date it is due.

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- (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 2-8 until IDEM, OAQ takes 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, pursuant to 326 IAC 2-8-3(g), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

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

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

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.18 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) and (c) without a prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

and

United States Environmental Protection Agency, Region 5
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b)(1) and (c). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-8-15(b)(1) and (c).

- (b) Emission Trades [326 IAC 2-8-15(b)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(c)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.19 Source Modification Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.20 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][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, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP 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 the conditions of this permit;
- (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 facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (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.

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B.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ no later than thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.23 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [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.

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SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-8-4(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM) and greenhouse gases (GHG), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.
- (4) The potential to emit greenhouse gases (GHG) from the entire source shall be limited to less than one hundred thousand (100,000) tons of CO₂ equivalent (CO₂e) emissions per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (PSD), potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

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

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

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

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.6 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.7 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:

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

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 Licensed 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 Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

Testing Requirements [326 IAC 2-8-4(3)]

C.8 Performance Testing [326 IAC 3-6]

- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

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Compliance Requirements [326 IAC 2-1.1-11]

C.9 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 commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

C.10 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

C.11 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

C.12 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

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C.13 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.15 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

- (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. Support information includes the following:
- (AA) All calibration and maintenance records.
 - (BB) All original strip chart recordings for continuous monitoring instrumentation.
 - (CC) Copies of all reports required by the FESOP.
- Records of required monitoring information include the following:
- (AA) The date, place, as defined in this permit, and time of sampling or measurements.
 - (BB) The dates analyses were performed.
 - (CC) The company or entity that performed the analyses.
 - (DD) The analytical techniques or methods used.
 - (EE) The results of such analyses.
 - (FF) The operating conditions as existing at the time of sampling or measurement.

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 Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.16 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

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- (d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.17 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction.

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SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) natural gas-fired boiler, identified as EU-1, with a maximum heat input capacity of 25 MMBtu per hour, installed in 1997, and exhausting to stack S1.

Under the NSPS for Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR 60.40c, Subpart Dc) the boiler, identified as EU-1, is considered an affected facility.

- (b) Two (2) natural gas-fired boilers, identified as EU-2 and EU-3, each with a maximum heat input capacity of 12.6 MMBtu per hour, both installed in 1958, and exhausting to stacks S2 and S3.

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

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Particulate Emissions [326 IAC 6-2-3][326 IAC 6-2-4]

- (a) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), particulate emissions from the boiler, identified as EU-1, shall be limited to 0.39 pound per MMBtu heat input.

This limitation is based on the following equation:

$$P_t = \frac{1.09}{Q^{0.26}}$$

Where:

Pt = Emission rate limit (lbs PM per MMBtu)

Q = Total source heat input capacity rating in million Btu per hour (50.2 MMBtu per hour)

- (b) Pursuant to 326 IAC 6-2-3(d) (Particulate Emission Limitations for Sources of Indirect Heating), emission limitations for facilities specified in 326 IAC 6-2-1(b)), PM from boilers EU-2 and EU-3, shall in no case exceed 0.8 pounds of particulate matter per million British thermal units heat input.

D.1.2 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for the three (3) boilers, identified as EU-1, EU-2 and EU-3. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

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SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (c) Two (2) belt polishers, identified as EU-4 and EU-5, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, both installed in 2000, and exhausting to stacks S4 and S5.
- (d) Two (2) belt polishers, identified as EU-6 and EU-7, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, both installed in 2003, and exhausting to stacks S6 and S7.
- (e) Two (2) belt polishers, identified as EU-27 and EU-28, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, installed in 2010, and exhausting to stacks S27 and S28.
- (f) Two (2) belt polishers, identified as EU-29 and EU-30, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, approved in 2013 for construction, and exhausting to stacks S29 and S30.
- (g) Two (2) belt polishers, identified as EU-31 and EU-32, to be constructed in 2013, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, and exhausting to stacks S31 and S32.
- (h) Three (3) belt polishers, identified as EU-35, EU-36, and EU-37 to be constructed in 2014, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, and exhausting to stacks S35, S36 and S37, respectively.
- (i) Three (3) belt polishers, identified as EU-38, EU-39, and EU-40, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, approved in 2015 for construction and exhausting to stacks S38, S39 and S40.
- (j) One (1) coater & polisher unit, identified as EU-8, with a maximum throughput capacity of 720 pounds of candy per hour and 1.48 pounds of polish per hour, installed in 1997, and exhausting to stack S8.
- (k) One (1) coater & polisher unit, identified as EU-8, with a maximum throughput capacity of 720 pounds of candy per hour and 1.48 pounds of polish per hour, installed in 1997, and exhausting to stack S8.
- (l) One (1) candy corn drum coater, identified as EU-9, with a maximum throughput capacity of 7,816 pounds of candy per hour and maximum usage of rate 35.56 pounds of candy coating per hour, installed in 2002, and exhausting to stack S9.
- (m) One (1) candy corn drum polisher, identified as EU-10, with a maximum throughput capacity of 7,816 pounds of candy per hour and maximum usage rate 19.15 pounds of candy coating per hour, installed in 2002, and exhausting to stack S9.

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

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Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.2.1 Volatile Organic Compounds (VOCs) [326 IAC 2-8] [326 IAC 8-1-6]

- (a) The amount of VOC delivered to the one (1) candy corn drum coater, identified as EU-9, shall be limited to less than twenty (20) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (b) The amount of VOC delivered to the one (1) candy corn drum polisher, identified as EU-10 shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance these limits will render the requirements of 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 8-1-6 (New Facilities; VOC Reduction Requirements) not applicable.

D.2.2 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for emission units EU-4 through EU-10 and EU-27 through EU-32, and EU-35 through EU-40 and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.2.3 Volatile Organic Compounds (VOC)

Compliance with the VOC usage limitations contained in Conditions D.2.1 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

D.2.4 Record Keeping Requirements

- (a) To document the compliance status with Condition D.2.1, the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits established in Condition D.2.4.
 - (1) The amount and VOC content of coating/polisher and solvent used on a monthly basis. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (2) The total VOC usage for each month.
- (b) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.2.5 Reporting Requirements

Quarterly reports of the amount of VOC delivered to the candy corn drum coater (EU-9) and the candy corn drum polisher (EU-10) and a quarterly summary of the information to document the compliance status with Condition D.2.1 shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meet the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (j) Mogul operations
 - (1) One (1) Mogul 1, a mold preparation unit, identified as EU-11, with a maximum throughput capacity of 10,286 pounds of candy per hour, using an integral fabric filter and dust collector DC1M1 for particulate control, installed in 1985, and exhausting to stack S10.
 - (2) One (1) Mogul 1, a starch conditioning unit, identified as EU-12 with a maximum throughput capacity of 19,842 pounds of starch per hour, using an integral fabric filter and dust collector DC1M1 for particulate control, installed in 1985, and exhausting to stack S10.
 - (3) One (1) Mogul 2, a mold preparation unit, identified as EU-13, with a maximum throughput capacity of 10,857 pounds of candy per hour, using an integral fabric filter and dust collector DC1M1 for particulate control, installed in 1995, and exhausting to stack S10.
 - (4) One (1) Mogul 2, a starch conditioner dryer, identified as EU-14, with a maximum throughput capacity of 19,842 pounds of starch per hour, using an integral fabric filter and dust collector DC2M2 for particulate control, installed in 1995, and exhausting to stack S11.
 - (5) One (1) Mogul 2, a starch conditioner cooler, identified as EU-15, with a maximum throughput capacity of 19,842 pounds of starch per hour, using an integral fabric filter and dust collector DC3M2 for particulate control, installed in 1995, and exhausting to stack S12.
 - (6) One (1) Mogul 3, a mold preparation unit, identified as EU-16, with a maximum throughput capacity of 7,816 pounds of candy per hour, using an integral fabric filter and dust collector DC1M3 for particulate control, installed in 2002, and exhausting indoors.
 - (7) One (1) Mogul 3, a starch conditioner dryer, identified as EU-17, with a maximum throughput capacity of 19,842 pounds of starch per hour, using an integral fabric filter and dust collector DC2M3 for particulate control, installed in 2002, and exhausting to stack S14.
 - (8) One (1) Mogul 3, a starch conditioner cooler, identified as EU-18, with a maximum throughput capacity of 19,842 pounds of starch per hour, using an integral fabric filter and dust collector DC3M3 for particulate control, installed in 2002, and exhausting to stack S15.
- (k) One (1) laser cleaner, identified as EU-19, with a maximum throughput capacity of 7,816 pounds of candy per hour, using an integral fabric filter and dust collector DC1LC1 for particulate control, installed in 2002, and exhausting indoors.
- (l) Six (6) dust top lines, identified as EU-20 through EU-25, each with a maximum throughput capacity of 4,222 pounds of candy per hour, using an integral fabric filters and dust collectors DC1DT through DC7DT for particulate control, all installed prior to 1989, and exhausting indoors.

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- (m) Two (2) laser cleaners, identified as EU-33 and EU-34, to be constructed in 2013, each with a maximum throughput capacity of 7,816 pounds of candy per hour, using integral fabric filter and dust collectors DC2LC2 and DC3LC3 for particulate control, exhausting indoors.

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

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.3.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the starch handling process lines (identified as EU-11 through EU-25) shall not exceed the pounds per hour limits as described in the table below:

Equipment Description	Unit ID	Max. Throughput Rate (tons per hour)	Particulate Emission Limit (lbs per hour)
Mogul 1	EU-11	5.14	12.3
Starch Conditioner – Mogul 1	EU-12	9.92	19.1
Mogul 2	EU-13	5.42	12.7
Starch Conditioner Dryer – Mogul 2	EU-14	9.92	19.1
Starch Conditioner Cooler – Mogul 2	EU-15	9.92	19.1
Mogul 3	EU-16	3.91	10.2
Starch Conditioner Dryer – Mogul 3	EU-17	9.92	19.1
Starch Conditioner Cooler – Mogul 3	EU-18	9.92	19.1
Laser Cleaner	EU-19	3.90	10.2
Laser Cleaner	EU-33	3.90	10.2
Laser Cleaner	EU-34	3.90	10.2
Dust Top Line 1	EU-20	2.11	6.76
Dust Top Line 2	EU-21	2.11	6.76
Dust Top Line 3	EU-22	2.11	6.76
Dust Top Line 4	EU-23	2.11	6.76
Dust Top Line 5	EU-24	2.11	6.76
Dust Top Line 6	EU-25	2.11	6.76

The pounds per hour limitations were calculated with the following equation:

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

$$E = 4.10 P^{0.67}$$

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

D.3.2 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for emission units EU-11 through EU-25 and EU-33 and EU-34 and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.3.3 Particulate Control

- (a) In order to comply with Condition D.3.1, the fabric filters for particulate control shall be in operation in accordance with manufacturer's instructions and control emissions from the starch handling process lines (identified as EU-11 through EU-18, and EU-20 through EU-25) at all times the associated line is in operation.

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- (b) In the event that bag failure is observed in a multi-compartment dust collector, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

D.3.4 Visible Emissions Notations

- (a) Daily visible emission notations of the stack exhausts for emission units identified as EU-11 through EU-15, EU-17, and EU-18 shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.3.5 Parametric Monitoring

- (a) The Permittee shall record the pressure drop across the fabric filter used in conjunction with emission units EU-11 through EU-18 at least once per day when the associated emission unit is in operation. When for any one reading, the pressure drop across the dust collector is outside the normal range of 1.5 to 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable steps. Section C – Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.
- (b) The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated or replaced at least once every six (6) months.

D.3.6 Broken or Failed Fabric Filter Detection

- (a) For a single compartment dust collector controlling emissions from a process operated continuously, failed units and the associated process shall be shut down immediately until the failed unit have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment dust collector controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emission units. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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Bag failure can be indicated by a significant drop in the dust collector's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

D.3.7 Record Keeping Requirements

- (a) To document the compliance status with Condition D.3.4, the Permittee shall maintain a daily record of visible emission notations of the stack exhausts for emission units identified as EU-11, EU-12, EU-13, EU-14, EU-15, EU-17, and EU-18. The Permittee shall include in each daily record when a visible emission notation is not taken and the reason for the lack of the visible emission notation (e.g., the process did not operate that day).
- (b) To document the compliance status with Condition D.3.5, the Permittee shall maintain a daily record of the pressure drop across the dust collectors controlling EU-11 through EU-18. The Permittee shall include in each daily record when a pressure drop reading is not taken and the reason for the lack of the pressure drop reading (e.g. the process did not operate that day).
- (c) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

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SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) Degreasing operations that do not exceed one hundred forty-five (145) gallons per twelve (12) months, except if subject to 326 IAC 20-6 as follows:

- (1) One (1) Heritage-Crystal Clean parts washer, with a maximum capacity of 30 gallons, installed in 2000, and exhausting indoors. [326 IAC 8-3-2] [326 IAC 8-3-8]

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

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.4.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Degreaser Control Equipment and Operating Requirements):

- (a) The Permittee shall ensure the following control equipment and operating requirements are met:
 - (1) Equip the degreaser with a cover.
 - (2) Equip the degreaser with a device for draining cleaned parts.
 - (3) Close the degreaser cover whenever parts are not being handled in the degreaser.
 - (4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases.
 - (5) Provide a permanent, conspicuous label that lists the operating requirements in (a)(3), (a)(4), (a)(6), and (a)(7) of this condition.
 - (6) Store waste solvent only in closed containers.
 - (7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.
- (b) The Permittee shall ensure the following additional control equipment and operating requirements are met:
 - (1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):
 - (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) A refrigerated chiller.
 - (D) Carbon adsorption.
 - (E) An alternative system of demonstrated equivalent or better control as those outlined in (b)(1)(A) through (D) of this condition that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.

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- (2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.
- (3) If used, solvent spray:
 - (A) must be a solid, fluid stream; and
 - (B) shall be applied at a pressure that does not cause excessive splashing.

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

Pursuant to 326 IAC 8-3-8 (Material requirements for cold cleaner degreasers):

- (a) Material requirements specified in this section for use in cold cleaner degreasers apply as follows:
 - (1) Before January 1, 2015, in Clark, Floyd, Lake, and Porter Counties.
 - (2) On and after January 1, 2015, anywhere in the state.
- (b) Material requirements are as follows:
 - (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.
- (c) Pursuant to 326 IAC 8-3-8(c)(1), the following records shall be maintained for each sale of cold cleaner degreaser solvent:
 - (1) The name and address of the solvent supplier.
 - (2) The date of purchase (or invoice/bill dates of contract servicer indicating service date).
 - (3) The type of solvent purchased.
 - (4) The volume of each unit of solvent sold.
 - (5) The total volume of the solvent purchased.
 - (6) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).
- (d) Pursuant to 326 IAC 8-3-8(c)(2), the following records shall be maintained for each purchase of cold cleaner degreaser solvent:
 - (1) The name and address of the solvent supplier.
 - (2) The date of purchase (or invoice/bill dates of contract servicer indicating service date).
 - (3) The type of solvent purchased.

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- (4) The total volume of the solvent purchased.
- (5) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

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SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) natural gas-fired boiler, identified as EU-1, with a maximum heat input capacity of 25 MMBtu per hour, installed in 1997, and exhausting to stack S1.

Under the NSPS for Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR 60.40c, Subpart Dc) the boiler, identified as EU-1, is considered an affected facility.

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

New Source Performance Standards (NSPS) Requirements [326 IAC 12]

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

- (a) Pursuant to 40 CFR 60.300, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, except when otherwise specified in 40 CFR Part 60, Subpart Dc (included as Attachment A of this permit).
- (b) Pursuant to 40 CFR 60.19, the Permittee shall submit all required notifications and reports to:

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

E.1.2 New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units [326 IAC 12][40 CFR Part 60.40c, Subpart Dc]

The Permittee which operates boilers at a health care facility shall comply with the following provisions of 40 CFR Part 60, Subpart Dc (included as Attachment A of this permit):

- (1) 40 CFR 60.40c(a)
- (2) 40 CFR 60.41c
- (3) 40 CFR 60.48c(a), (a)(1), and (a)(3)
- (4) 40 CFR 60.48c(g) and (i)

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Zachary Confections, Inc.
Source Address: 2130 W SR 28, Frankfort, Indiana 46041
FESOP Permit No.: F023-28687-00039

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: (317) 233-0178
Fax: (317) 233-6865**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT**

Source Name: Zachary Confections, Inc.
Source Address: 2130 W SR 28, Frankfort, Indiana 46041
FESOP Permit No.: F023-28687-00039

This form consists of 2 pages

Page 1 of 2

- | |
|--|
| <p>☐ This is an emergency as defined in 326 IAC 2-7-1(12)</p> <ul style="list-style-type: none">• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16 |
|--|

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

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

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

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH**

FESOP Quarterly Report

Source Name: Zachary Confections, Inc.
Source Address: 2130 W SR 28, Frankfort, Indiana 46041
FESOP Permit No.: F023-28687-00039
Facility: Candy corn drum coater EU-9
Parameter: VOC Usage
Limit: Less than twenty (20) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH**

FESOP Quarterly Report

Source Name: Zachary Confections, Inc.
Source Address: 2130 W SR 28, Frankfort, Indiana 46041
FESOP Permit No.: F023-28687-00039
Facility: Candy corn drum coater EU-10
Parameter: VOC Usage
Limit: Less than 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Zachary Confections, Inc.
Source Address: 2130 W SR 28, Frankfort, Indiana 46041
FESOP Permit No.: F023-28687-00039

Months: _____ to _____ Year: _____

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

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Page 2 of 2

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

**Indiana Department of Environmental Management
Office of Air Quality**

**Technical Support Document (TSD) for a Significant Permit Revision to a
Federally Enforceable State Operating Permit (FESOP)**

Source Description and Location
--

Source Name:	Zachary Confections, Inc.
Source Location:	2130 W SR 28, Frankfort, Indiana 46041
County:	Clinton
SIC Code:	2064
Operation Permit No.:	F023-28687-00039
Operation Permit Issuance Date:	May 19, 2010
Significant Permit Revision No.:	023-35896-00039
Permit Reviewer:	APT

On June 2, 2015, the Office of Air Quality (OAQ) received an application from Zachary Confections, Inc. related to a modification to an existing candy manufacturing plant.

Existing Approvals

The source was issued FESOP Renewal No.: F023-28687-00039 on May 19, 2013. The source has since received the following approvals:

- (a) Administrative Amendment No.: 023-29525-00039, issued on August 30, 2010;
- (b) Administrative Amendment No.: 023-33001-00039, issued on April 16, 2013;
- (c) Administrative Amendment No.: 023-33264-00039, issued July 23, 2013;
- (d) Administrative Amendment No.: 023-34413-00039, issued June 26, 2014; and
- (e) Administrative Amendment No.: 023-35896-00039, issued October 8, 2014.

County Attainment Status

The source is located in Clinton County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard. ¹
PM _{2.5}	Unclassifiable or attainment effective April 5, 2005, for the annual PM _{2.5} standard.
PM _{2.5}	Unclassifiable or attainment effective December 13, 2009, for the 24-hour PM _{2.5} standard.
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.

¹Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.

- (a) **Ozone Standards**
Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) 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 NO_x emissions are considered when evaluating the rule applicability relating to ozone. Clinton County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM_{2.5}**
Clinton County has been classified as attainment for PM_{2.5}. Therefore, direct PM_{2.5}, SO₂, and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) **Other Criteria Pollutants**
Clinton County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

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, Emission Offset, 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:

This PTE table is from the TSD of AA 023-34893-00039.

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)								
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Total PTE of Entire Source	4.83	5.59	5.49	0.13	21.99	<93.3	18.47	0.41	0.40
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds**	250	250	250	250	250	250	250	NA	NA
negl. = negligible **The 100,000 CO ₂ e threshold represents the Title V and PSD subject-to-regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.									

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
- (b) This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because the unlimited potential to emit HAPs are 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. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by Zachary Confections, Inc., on June 2, 2015, relating to the installation of three (3) new belt polishers and the revision of an existing 326 IAC 2-7 and 326 IAC 8-1-6 avoidance limit. The emission limitation revision is shown in the Proposed Changes section of this document.

The following is a list of the new emission units and pollution control devices:

- (a) Three (3) belt polishers, identified as EU-38, EU-39, and EU-40, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, approved in 2015 for construction and exhausting to stacks S38, S39 and S40.

Enforcement Issues

There are no pending enforcement actions related to this amendment.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination

The following table is used to determine the appropriate permit level under 326 IAC 2-8-10. This table reflects the PTE before controls of the proposed amendment. 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	PM10	PM2.5	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e	Total HAPs	Worst Single HAP
Belt Polishers EU-38, EU-39, and EU-40	---	---	---	---	---	8.75	---	---	---	---
Total PTE of Proposed Amendment	---	---	---	---	---	8.75	---	---	---	---

Although this modification incorporates emission units of the same type that are already permitted and that will comply with the same applicable requirements and permit terms and conditions as the existing emission units, this modification does not qualify as an Administrative Amendment because of the revision to the existing 326 IAC 2-7 and 326 IAC 8-1-6 avoidance limit.

Pursuant to 326 IAC 2-8-11.1(f), this FESOP is being revised through a FESOP Significant Permit Revision because the proposed revision is not an Administrative Amendment or Minor Permit revision and the proposed revision involves adjustment of the existing 326 IAC 2-7 and 326 IAC 8-1-6 avoidance limit.

PTE of the Entire Source After Issuance of the FESOP Permit 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.

Emission Unit	Limited PTE (tons/year)								Single HAP
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	
Natural Gas-Fired Boilers EU-1, EU-2 and EU-3	0.42	1.67	1.67	0.13	21.99	1.21	18.47	0.41	3.96E-01(Hexane)
Belt Polisher EU-4	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-5	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-6	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-7	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Coater & Polisher EU-8	0.00	0.00	0.00	0.00	0.00	4.20	0.00	0.00	N/A
Belt Polisher EU-27	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-28	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-29	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-30	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-31	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-32	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Candy Corn Drum Coater EU-9*	0.00	0.00	0.00	0.00	0.00	< 25 < 19.99	0.00	0.00	N/A
Candy Corn Drum Coater EU-10*	0.00	0.00	0.00	0.00	0.00	< 25 < 24.99	0.00	0.00	N/A
EU-11 through EU-18**	1.09	1.09	1.09	0.00	0.00	0.00	0.00	0.00	N/A
EU-19 through EU-26**	2.71	2.71	2.71	0.00	0.00	0.00	0.00	0.00	N/A
Paved Roads	0.61	0.12	0.02	0.00	0.00	0.00	0.00	0.00	N/A
Belt Polishers EU-35, EU-36, and EU-37	0.00	0.00	0.00	0.00	0.00	8.75	0.00	0.00	0.00
Belt Polishers EU-38, EU-39, and EU-40	0.00	0.00	0.00	0.00	0.00	8.75	0.00	0.00	0.00
TOTAL =	4.83	5.59	5.49	0.13	21.99	< 93.34 < 97.07	18.47	0.41	3.96E-01(Hexane)

*Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a "regulated air pollutant".

** The addition of the three belt polishers (EU-38 through EU-40), increased the source-wide potential to emit above the Part 70 threshold of 100 tons per year for VOC after limitations. Therefore, in order to maintain FESOP status, the source has requested to reduce the previous limit of twenty-five (25) tons per year of VOC for the Candy Corn Drum Coater (EU-9) to less than twenty (20) tons per year. These limits allow the source to operate below than major source threshold levels pursuant to 326 IAC 2-8, and renders 326 IAC 2-7 not applicable to this source and 326 IAC 8-1-6 not applicable to these units.

The table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units. (Note: the table below was generated from the above table, with bold text un-bolded and strikethrough text deleted).

Emission Unit	Limited PTE (tons/year)								Single HAP
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	
Natural Gas-Fired Boilers EU-1, EU-2 and EU-3	0.42	1.67	1.67	0.13	21.99	1.21	18.47	0.41	Single HAP
Belt Polisher EU-4	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	3.96E-01(Hexane)
Belt Polisher EU-5	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-6	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-7	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Coater & Polisher EU-8	0.00	0.00	0.00	0.00	0.00	4.20	0.00	0.00	N/A
Belt Polisher EU-27	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-28	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-29	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-30	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-31	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-32	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Candy Corn Drum Coater EU-9*	0.00	0.00	0.00	0.00	0.00	19.99	0.00	0.00	N/A
Candy Corn Drum Coater EU-10*	0.00	0.00	0.00	0.00	0.00	24.99	0.00	0.00	N/A
EU-11 through EU-18**	1.09	1.09	1.09	0.00	0.00	0.00	0.00	0.00	N/A
EU-19 through EU-26**	2.71	2.71	2.71	0.00	0.00	0.00	0.00	0.00	N/A
Paved Roads	0.61	0.12	0.02	0.00	0.00	0.00	0.00	0.00	N/A
Belt Polishers EU-35, EU-36, and EU-37	0.00	0.00	0.00	0.00	0.00	8.75	0.00	0.00	0.00
Belt Polishers EU-38, EU-39, and EU-40	0.00	0.00	0.00	0.00	0.00	8.75	0.00	0.00	0.00
TOTAL =	4.83	5.59	5.49	0.13	21.99	< 97.07	18.47	0.41	Single HAP

*Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a "regulated air pollutant".

** The addition of the three belt polishers (EU-38 through EU-40), increased the source-wide potential to emit above the Part 70 threshold of 100 tons per year for VOC after limitations. Therefore, in order to maintain FESOP status, the source has requested to

reduce the previous limit of twenty-five (25) tons per year of VOC for the Candy Corn Drum Coater (EU-9) to less than twenty (20) tons per year. These limits allow the source to operate below than major source threshold levels pursuant to 326 IAC 2-8, and renders 326 IAC 2-7 not applicable to this source and 326 IAC 8-1-6 not applicable to these units.

(a) FESOP Status

This revision to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP).

(b) PSD Minor Source

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 the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

There are no 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 (NESHAPs)

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

Compliance Assurance Monitoring (CAM)

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 limited to 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

326 IAC 2-8-4 (FESOP)

This revision to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP). See PTE of the Entire Source After Issuance of the FESOP Revision Section above.

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 the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply. See PTE of the Entire Source After Issuance of the FESOP Revision Section above.

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 new units 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.

326 IAC 12 (New Source Performance Standards)

See Federal Rule Applicability Section of this TSD.

326 IAC 20 (Hazardous Air Pollutants)

See Federal Rule Applicability Section of this TSD.

State Rule Applicability Determination - Individual Facilities

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

The proposed Belt Polishers are not subject to the requirements of 326 IAC 6-3-2 because the potential to emit particulate emissions is less than 0.551 pounds per hour.

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)

The unlimited potential VOC emissions from the three (3) new belt polishers are less than twenty-five (25) tons per year. Therefore, 326 IAC 8-1-6 does not apply.

There are no other 326 IAC 8 Rules that are applicable to the new belt polishers.

Compliance Determination, Monitoring and Testing Requirements

The existing compliance requirements will not change as a result of this amendment. The source shall continue to comply with the applicable requirements and permit conditions as contained in administratively amended FESOP No: F023-34893-00039, issued on October 8, 2014.

Proposed Changes

The following changes listed below are due to the proposed revision. Deleted language appears as ~~struckthrough~~ text and new language appears as **bold** text:

Change No. 1: The three belt polishers, identified as EU-38, EU-39, and EU-40 have been added to Section A and Section D as follows:

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

- (p) **Three (3) belt polishers, identified as EU-38, EU-39, and EU-40, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, approved in 2015 for construction and exhausting to stacks S38, S39 and S40.**

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (i) **Three (3) belt polishers, identified as EU-38, EU-39, and EU-40, each with a maximum throughput capacity of 500 pounds of candy per hour and maximum usage of 1.025 pounds of polish per hour, approved in 2015 for construction and exhausting to stacks S38, S39 and S40.**
- (ij) One (1) coater & polisher unit, identified as EU-8, with a maximum throughput capacity of 720 pounds of candy per hour and 1.48 pounds of polish per hour, installed in 1997, and exhausting to stack S8.
- (jk) One (1) coater & polisher unit, identified as EU-8, with a maximum throughput capacity of 720 pounds of candy per hour and 1.48 pounds of polish per hour, installed in 1997, and exhausting to stack S8.

- (k) One (1) candy corn drum coater, identified as EU-9, with a maximum throughput capacity of 7,816 pounds of candy per hour and maximum usage of rate 35.56 pounds of candy coating per hour, installed in 2002, and exhausting to stack S9.
- (m) One (1) candy corn drum polisher, identified as EU-10, with a maximum throughput capacity of 7,816 pounds of candy per hour and maximum usage rate 19.15 pounds of candy coating per hour, installed in 2002, and exhausting to stack S9.
- (The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

D.2.2 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for emission units EU-4 through EU-10 and EU-27 through EU-32, and EU-35 through EU-3740 and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Change No. 2: The addition of the three belt polishers (EU-38 through EU-40), increased the source-wide potential to emit above the Part 70 threshold of 100 tons per year for VOC after limitations. Therefore, in order to maintain FESOP status, the source has requested to reduce the previous limit of twenty-five (25) tons per year of VOC for the Candy Corn Drum Coater (EU-9) to less than twenty (20) tons per year, as follows:

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.2.1 Volatile Organic Compounds (VOCs) [326 IAC 2-8] [326 IAC 8-1-6]

- (a) The amount of VOC delivered to the one (1) candy corn drum coater, identified as EU-9, shall be limited to less than ~~twenty-five (25)~~ **twenty (20)** tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

* * *

FESOP Quarterly Report

Source Name:	Zachary Confections, Inc.
Source Address:	2130 W SR 28, Frankfort, Indiana 46041
FESOP Permit No.:	F023-28687-00039
Facility:	Candy corn drum coater EU-9
Parameter:	VOC Usage
Limit:	Less than 25 twenty (20) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

* * *

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 June 2, 2015.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed FESOP Significant Permit Revision No.: 023-35896-00039. The staff recommends to the Commissioner that this FESOP Significant Permit Revision be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Angela Taylor at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) (234-5329) or toll free at 1-800-451-6027 extension (4-5329).
- (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.in.gov/idem

**Appendix A: Emissions Calculations
Summary - Sourcewide**

Company Name: Zachary Confections, Inc.
Address City IN Zip: 2130 W SR 28, Frankfort, Indiana 46041
Operating Permit No.: 023-28687-00039
Operating Permit Issuance: 5/19/2010
Significant Permit Revision No.: 023-35896-00039
Reviewer: APT

Emission Unit	Uncontrolled PTE (tons/year)								
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Single HAP
Natural Gas-Fired Boilers EU-1, EU-2 and EU-3	0.42	1.67	1.67	0.13	21.99	1.21	18.47	0.41	3.96E-01(Hexane)
Belt Polisher EU-4	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-5	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-6	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-7	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Coater & Polisher EU-8	0.00	0.00	0.00	0.00	0.00	4.20	0.00	0.00	N/A
Belt Polisher EU-27	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-28	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-29	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-30	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-31	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-32	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Candy Corn Drum Coater EU-9*	0.00	0.00	0.00	0.00	0.00	104.36	0.00	0.00	N/A
Candy Corn Drum Coater EU-10*	0.00	0.00	0.00	0.00	0.00	56.19	0.00	0.00	N/A
EU-11 through EU-18**	108.87	108.87	108.87	0.00	0.00	0.00	0.00	0.00	N/A
EU-19 through EU-26**	271.43	271.83	271.83	0.00	0.00	0.00	0.00	0.00	N/A
Paved Roads	0.61	0.12	0.02	0.00	0.00	0.00	0.00	0.00	N/A
Belt Polishers EU-35, EU-36, and EU-37	0.00	0.00	0.00	0.00	0.00	8.75	0.00	0.00	0.00
Belt Polishers EU-38, EU-39, and EU-40	0.00	0.00	0.00	0.00	0.00	8.75	0.00	0.00	0.00
TOTAL =	381.33	382.49	382.39	0.13	21.99	212.65	18.47	0.41	3.96E-01(Hexane)

Emission Unit	Limited PTE (tons/year)								
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Single HAP
Natural Gas-Fired Boilers EU-1, EU-2 and EU-3	0.42	1.67	1.67	0.13	21.99	1.21	18.47	0.41	3.96E-01(Hexane)
Belt Polisher EU-4	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-5	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-6	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-7	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Coater & Polisher EU-8	0.00	0.00	0.00	0.00	0.00	4.20	0.00	0.00	N/A
Belt Polisher EU-27	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-28	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-29	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-30	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-31	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Belt Polisher EU-32	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	N/A
Candy Corn Drum Coater EU-9*	0.00	0.00	0.00	0.00	0.00	19.99	0.00	0.00	N/A
Candy Corn Drum Coater EU-10*	0.00	0.00	0.00	0.00	0.00	24.99	0.00	0.00	N/A
EU-11 through EU-18**	1.09	1.09	1.09	0.00	0.00	0.00	0.00	0.00	N/A
EU-19 through EU-26**	2.71	2.71	2.71	0.00	0.00	0.00	0.00	0.00	N/A
Paved Roads	0.61	0.12	0.02	0.00	0.00	0.00	0.00	0.00	N/A
Belt Polishers EU-35, EU-36, and EU-37	0.00	0.00	0.00	0.00	0.00	8.75	0.00	0.00	0.00
Belt Polishers EU-38, EU-39, and EU-40	0.00	0.00	0.00	0.00	0.00	8.75	0.00	0.00	0.00
TOTAL =	4.83	5.59	5.49	0.13	21.99	97.07	18.47	0.41	3.96E-01(Hexane)

*Pursuant to FESOP No. F023-21425-00039, issued on November 18, 2005, the source has limited the VOC emissions from EU-9 and EU-10 each to less 25 tons per year each. Subsequently in FESOP SPR 023-35896-00039, EU-9 has been limited to less than 20 tons per year. These limits allow the source to operate below than major source threshold levels pursuant to 326 IAC 2-8, and renders 326 IAC 2-7 not applicable to this source and 326 IAC 8-1-6 not applicable to these units.

**The Fabric Filters from Units EU-11 through EU-18 and EU-19 through EU-26 are considered integral to the process; therefore, PTE after control was used to determine the permit level .

Appendix A: Emissions Calculations
Volatile Organic Compounds PTE from Belt Polishers

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Company Name: Zachary Confections, Inc.
Address City IN Zip: 2130 W SR 28, Frankfort, Indiana 46041
Operating Permit No.: 023-28687-00039
Operating Permit Issuance: 5/19/2010
Significant Permit Revision No.: 023-35896-00039
Reviewer: APT

Emissions Calculations
PTE of Volatile Organic Compounds

Unit Name	Unit ID	Operation (Panning Department)	Maximum Capacity (lbs candy/hour)	Pounds polish/100 pounds candy	Maximum Process Rate (lbs/hour)	* Weight % VOC	PTE of VOC (lbs/hour)	PTE of VOC (tons/year)
Belt Polisher No. 1	EU-4	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Belt Polisher No. 2	EU-5	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Belt Polisher No. 3	EU-6	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Belt Polisher No. 4	EU-7	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Belt Polisher No. 5	EU-27	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Belt Polisher No. 6	EU-28	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Coater & Polisher	EU-8	Coater/Polisher	720	0.205	1.48	65%	0.96	4.20
Belt Polisher No. 29	EU-29	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Belt Polisher No. 30	EU-30	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Belt Polisher No. 31	EU-31	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Belt Polisher No. 32	EU-32	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Belt Polisher No. 35	EU-35	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Belt Polisher No. 36	EU-36	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Belt Polisher No. 37	EU-37	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Total PTE - existing units							9.62	42.14
Belt Polisher No. 35	EU-38	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Belt Polisher No. 36	EU-39	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Belt Polisher No. 37	EU-40	Belt Polish Unit	500	0.205	1.03	65%	0.67	2.92
Total PTE - new units							2.00	8.75
Total PTE							11.62	50.89

* Weight % VOC (ethanol) from the MSDS as provided by the Permittee.

**The polish contains wax dissolved in alcohol. The material is applied to the candy through a non-air spray nozzle and the transfer efficiency is close to 100% and would result in negligible particulate emissions from EU-35, EU-36, and EU-37.

METHODOLOGY

PTE of VOC (lbs/hour) = Maximum Process Rate (lbs/hour) * Pounds of Polish/100lbs candy * Weight % VOC

PTE of VOC (tons/year) = Maximum Process Rate (lbs/hour) * Pounds of Polish/100lbs candy * Weight % VOC * 8760 hours/year * 1 ton/2000 lbs

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

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Company Name: Zachary Confections, Inc.
Address City IN Zip: 2130 W SR 28, Frankfort, Indiana 46041
Operating Permit No.: 023-28687-00039
Operating Permit Issuance: 5/19/2010
Significant Permit Revision No.: 023-35896-00039
Reviewer: APT

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

50.2

439.8

Total for emission units EU-1, EU-2, and EU-3

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	PM2.5	SO ₂	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.42	1.67	1.67	0.13	21.99	1.21	18.47

*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

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

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

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

See next page for HAPs emissions calculations.

Emission Factor in lb/MMcf	HAPs - Organics				
	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	4.617E-04	2.639E-04	0.016	0.396	7.476E-04

Emission Factor in lb/MMcf	HAPs - Metals					
	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03	Total
Potential Emission in tons/yr	1.099E-04	2.419E-04	3.078E-04	8.355E-05	4.617E-04	0.415

Methodology is the same as above.

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: Emissions Calculations
PTE of Volatile Organic Compounds**

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Company Name: Zachary Confections, Inc.
Address City IN Zip: 2130 W SR 28, Frankfort, Indiana 46041
Operating Permit No.: 023-28687-00039
Operating Permit Issuance: 5/19/2010
Significant Permit Revision No.: 023-35896-00039
Reviewer: APT

Unit Name	Unit ID	Process Description	Operation (Panning Department)	Maximum Capacity (lbs candy/hour)	Maximum Process Rate (lbs/hour)	* Weight % VOC	PTE of VOC (lbs/hour)	PTE of VOC (tons/year)	***Limited VOC (tons/year)
Candy Corn Drum Coater	*** EU-9	**Liquid coating is sprayed as candy rotates in a horizontal drum	Mellow Crème Drum Coater	7816	35.56	67%	23.83	104.36	<25.0
Candy Corn Drum Coater	*** EU-10	**Liquid coating is sprayed as candy rotates in a horizontal drum	Mellow Crème Drum Polisher	7816	19.15	67%	12.83	56.19	<25.0

* Weight % VOC (ethanol) from the MSDS as provided by the Permittee.

**The polish contains wax dissolved in alcohol. The material is applied to the candy through a non-air spray nozzle and the transfer efficiency is close to 100% and would result in negligible particulate emissions from EU-4 through EU-10.

***All materials processed through EU #9 and EU #10 are first processed through the three (3) stoving rooms, with a combined holding capacity of 148, 500 lbs of candy per day. The candy is cured for a day in these rooms before it can be processed through the coaters.

METHODOLOGY

Maximum Process Rate = Maximum candy produced (lbs candy/day) * coating content (%) / maximum daily operating hours (hrs/day)

PTE of VOC (lbs/hour) = Maximum Process Rate (lbs/hour) * Weight % VOC

PTE of VOC from EU #9 and EU #10 (tons/year) = Maximum Process Rate (lbs/hour) * Weight % VOC * 8760 hours/year * 1 ton/2000 lbs

*** Pursuant to FESOP No. F023-21425-00039, issued on November 18, 2005, the source limited the VOC emissions from EU-9 and EU-10 to less 25 tons per year each, and to less than major source threshold levels under 326 IAC 2-8 in order to render 326 IAC 2-7 and 326 IAC 8-1-6 not applicable.

Appendix A: Emissions Calculations
PTE of PM, PM10 and PM2.5

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Company Name: Zachary Confections, Inc.
Address City IN Zip: 2130 W SR 28, Frankfort, Indiana 46041
Operating Permit No.: 023-28687-00039
Operating Permit Issuance: 5/19/2010
Significant Permit Revision No.: 023-35896-00039
Reviewer: APT

Control ID	Unit ID	Equipment Description	Stack ID	Fabric Filters - Integral to Process		*PTE After Control (tons/year)	** Particulate Emission Limit (lbs/hour)
DC1M1	EU-11 EU-12 EU-13	Mold Preparation - Mogul 1 Starch Conditioner - Mogul 1 Mold Preparation - Mogul 2	S10	Fabric Filter Grain Loading (grains/acf) Air Flow Rate (acf/minute) Control Efficiency (%)	0.001 6300 99%	0.24	12.3 19.1 12.7
DC2M2	EU-14	Starch Cond. Dryer - Mogul 2	S11	Fabric Filter Grain Loading (grains/acf) Air Flow Rate (acf/minute) Control Efficiency (%)	0.0009 6000 99%	0.20	19.1
DC3M2	EU-15	Starch Cond. Cooler - Mogul 2	S12	Fabric Filter Grain Loading (grains/acf) Air Flow Rate (acf/minute) Control Efficiency (%)	0.0009 6000 99%	0.20	19.1
DC1M3	EU-16	Mold Preparation - Mogul 3	S13	Fabric Filter Grain Loading (grains/acf) Air Flow Rate (acf/minute) Control Efficiency (%)	0.0004 4000 99%	0.06	10.2
DC2M3	EU-17	Starch Cond. Dryer - Mogul 3	S14	Fabric Filter Grain Loading (grains/acf) Air Flow Rate (acf/minute) Control Efficiency (%)	0.0007 7000 99%	0.18	19.1
DC3M3	EU-18	Starch Cond. Cooler - Mogul 3	S15	Fabric Filter Grain Loading (grains/acf) Air Flow Rate (acf/minute) Control Efficiency (%)	0.0009 6000 99%	0.20	19.1

TOTAL PTE in tons per year = 1.09

Assume all PM emissions are equal to PM10, and all PM10 emissions are equal to PM2.5.

METHODOLOGY

After Control PTE of PM/PM10/PM2.5 (tons/year) = Grain loading (gr/acf) * Air flow rate (acf/minute) * 60 minute/hour * 1 lb/7000 grains * 8760 hours/year * 1 ton/2000 lbs.

*PTE After Control is equal to Uncontrolled PTE because all of the fabric filters are integral to the process pursuant to FESOP No. F023-21425-00039, issued on November 18, 2005.

**Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from each of the listed emission units shall be limited by the following:

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

$$E = 4.10 P^{0.67}$$

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

Appendix A: Emissions Calculations
PTE of PM, PM10 and PM2.5

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Company Name: Zachary Confections, Inc.
Address City IN Zip: 2130 W SR 28, Frankfort, Indiana 46041
Operating Permit No.: 023-28687-00039
Operating Permit Issuance: 5/19/2010
Significant Permit Revision No.: 023-35896-00039
Reviewer: APT

Control ID	Unit ID	Equipment Description	Stack ID	Fabric Filters - Integral to Process		*PTE After Control (tons/year)	** Particulate Emission Limit (lbs/hour)
DC1LC1	EU-19	Laser Cleaner	NA	Fabric Filter Grain Loading (grains/acf) Air Flow Rate (acf/minute) Control Efficiency (%)	0.001 3000 99%	0.11	10.2
DC1DT	EU-20	Dust Top Line 1	NA	Fabric Filter Grain Loading (grains/acf) Air Flow Rate (acf/minute) Control Efficiency (%)	0.011 900 99%	0.37	6.76
DC2DT	EU-21	Dust Top Line 2	NA	Fabric Filter Grain Loading (grains/acf) Air Flow Rate (acf/minute) Control Efficiency (%)	0.011 900 99%	0.37	6.76
DC3DT	EU-22	Dust Top Line 3	NA	Fabric Filter Grain Loading (grains/acf) Air Flow Rate (acf/minute) Control Efficiency (%)	0.011 900 99%	0.37	6.76
DC4DT	EU-23	Dust Top Line 4	NA	Fabric Filter Grain Loading (grains/acf) Air Flow Rate (acf/minute) Control Efficiency (%)	0.011 900 99%	0.37	6.76
DC5DT	EU-24	Dust Top Line 5	NA	Fabric Filter Grain Loading (grains/acf) Air Flow Rate (acf/minute) Control Efficiency (%)	0.011 900 99%	0.37	6.76
DC6DT	EU-25	Dust Top Line 6	NA	Fabric Filter Grain Loading (grains/acf) Air Flow Rate (acf/minute) Control Efficiency (%)	0.011 900 99%	0.37	6.76
DC7DT	EU-26	Dust Top Line 7	NA	Fabric Filter Grain Loading (grains/acf) Air Flow Rate (acf/minute) Control Efficiency (%)	0.011 900 99%	0.37	6.76

TOTAL PTE in tons per year = 2.71

Assume all PM emissions are equal to PM10, and all PM10 emissions are equal to PM2.5.

METHODOLOGY

After Control PTE of PM/PM10 (tons/year) = Grain loading (gr/acf) * Air flow rate (acf/minute) * 60 minute/hour * 1 lb/7000 grains * 8760 hours/year * 1 ton/2000 lbs.

*PTE After Control is equal to Uncontrolled PTE because all of the fabric filters are integral to the process pursuant to FESOP No. F023-21425-00039, issued on November 18, 2005.

**Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from each of the listed emission units shall be limited by the following:

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

$$E = 4.10 P^{0.67}$$

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

Appendix A: Emission Calculations Fugitive Dust Emissions - Paved Roads

Page 7 of 8 TSD Appendix A

Company Name: Zachary Confections, Inc.
Address City IN Zip: 2130 W SR 28, Frankfort, Indiana 46041
Operating Permit No.: 023-28687-00039
Operating Permit Issuance: 5/19/2010
Significant Permit Revision No.: 023-35896-00039
Reviewer: APT

53 foot box trucks
 chocolate tankers
 package trucks

350 employees
 15-20 trucks outbound
 4-5 trucks in bound ub biybd
 worst case in & out 40 trucks
 2 docks approx 100 yds & 2 docks 250 yds
 parking lot - furthest distance 100yds

Paved Roads at Industrial Site

The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (12/2003).

Vehicle Information (provided by source)

Type	Maximum number of vehicles per day	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Vehicle (entering plant) (one-way trip)	350.0	1.0	350.0	2.0	700.0	300	0.057	19.9	7258.5
Vehicle (leaving plant) (one-way trip)	350.0	1.0	350.0	2.0	700.0	300	0.057	19.9	7258.5
Vehicle (entering plant) (one-way trip)	20.0	1.0	20.0	30.0	600.0	300	0.057	1.1	414.8
Vehicle (leaving plant) (one-way trip)	20.0	1.0	20.0	30.0	600.0	300	0.057	1.1	414.8
Vehicle (entering plant) (one-way trip)	20.0	1.0	20.0	30.0	600.0	750	0.142	2.8	1036.9
Vehicle (leaving plant) (one-way trip)	20.0	1.0	20.0	30.0	600.0	750	0.142	2.8	1036.9
Total			780.0		3800.0			47.7	17420.5

Average Vehicle Weight Per Trip = tons/trip
 Average Miles Per Trip = miles/trip

Unmitigated Emission Factor, $E_f = [k * (sL/2)^{0.65} * (W/3)^{1.5} - C]$ (Equation 1 from AP-42 13.2.1)

	PM	PM10	PM2.5	
where k =	0.082	0.016	0.0024	lb/mi = particle size multiplier (AP-42 Table 13.2.1-1)
W =	4.9	4.9	4.9	tons = average vehicle weight (provided by source)
C =	0.00047	0.00047	0.00036	lb/mi = emission factor for vehicle exhaust, brake wear, and tire wear (AP-42 Table 13.2.1-2)
sL =	0.6	0.6	0.6	g/m ² = Ubiquitous Baseline Silt Loading Values of paved roads (Table 13.2.1-3 for summer months)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E_f * [1 - (p/4N)]$

Mitigated Emission Factor, $E_{ext} = E_f * [1 - (p/4N)]$

where p = days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)
 N = days per year

	PM	PM10	PM2.5	
Unmitigated Emission Factor, E_f =	0.08	0.01	0.00	lb/mile
Mitigated Emission Factor, E_{ext} =	0.07	0.01	0.00	lb/mile

Process	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)
Vehicle (entering plant) (one-way trip)	0.28	0.05	0.01	0.26	0.05	0.01
Vehicle (leaving plant) (one-way trip)	0.28	0.05	0.01	0.26	0.05	0.01
Vehicle (entering plant) (one-way trip)	0.02	0.00	0.00	0.01	0.00	0.00
Vehicle (leaving plant) (one-way trip)	0.02	0.00	0.00	0.01	0.00	0.00
Vehicle (entering plant) (one-way trip)	0.04	0.01	0.00	0.04	0.01	0.00
Vehicle (leaving plant) (one-way trip)	0.04	0.01	0.00	0.04	0.01	0.00
	0.67	0.13	0.02	0.61	0.12	0.02

Methodology

Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
 Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
 Maximum one-way miles (miles/day) = [Maximum trips per year (trip/day)] * [Maximum one-way distance (mi/trip)]
 Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]
 Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]
 Unmitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Unmitigated Emission Factor (lb/mile)] * (ton/2000 lbs)
 Mitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Mitigated Emission Factor (lb/mile)] * (ton/2000 lbs)
 Controlled PTE (tons/yr) = [Mitigated PTE (tons/yr)] * [1 - Dust Control Efficiency]

Abbreviations

PM = Particulate Matter
 PM10 = Particulate Matter (<10 um)
 PM2.5 = Particle Matter (<2.5 um)
 PTE = Potential to Emit

**Appendix A: 326 IAC 6-3-2 Compliance
Summary**

Company Name: Zachary Confections, Inc.
Address City IN Zip: 2130 W SR 28, Frankfort, Indiana 46041
Operating Permit No.: 023-28687-00039
Operating Permit Issuance: 5/19/2010
Significant Permit Revision No.: 023-35896-00039
Reviewer: APT

Allowable Emissions Under 326 IAC 6-3-2

Emissions Unit Description	Maximum Process Weight (lbs/hr) for each unit of that type	Maximum Process Weight (tons/hr) for each unit of that type	Control Efficiency (%)	PM Emissions Before Control (lbs/hr)	326 IAC 6-3-2 Allowable PM Emissions (lbs/hr)	PM Emissions After Control (lbs/hr)	Able to comply with 326 IAC 6-3-2 without the use of integral control devices?
Mold Preparation - Mogul 1	10,286	5.14	99%	103.6	12.28	1.04	No
Starch Conditioner - Mogul 1	19,842	9.92	99%	103.6	19.08	1.04	No
Mold Preparation - Mogul 2	10,857	5.43	99%	103.6	12.74	1.04	No
Starch Cond. Dryer - Mogul 2	19,842	9.92	99%	88.8	19.08	0.89	No
Starch Cond. Cooler - Mogul 2	19,842	9.92	99%	88.8	19.08	0.89	No
Mold Preparation - Mogul 3	7,816	3.91	99%	26.3	10.22	0.26	No
Starch Cond. Dryer - Mogul 3	19,842	9.92	99%	80.6	19.08	0.81	No
Starch Cond. Cooler - Mogul 3	19,842	9.92	99%	88.8	19.08	0.89	No
Laser Cleaner	7,816	3.91	99%	49.3	10.22	0.49	No
Dust Top Line 1	4,222	2.11	99%	162.8	6.76	1.63	No
Dust Top Line 2	4,222	2.11	99%	162.8	6.76	1.63	No
Dust Top Line 3	4,222	2.11	99%	162.8	6.76	1.63	No
Dust Top Line 4	4,222	2.11	99%	162.8	6.76	1.63	No
Dust Top Line 5	4,222	2.11	99%	162.8	6.76	1.63	No
Dust Top Line 6	4,222	2.11	99%	162.8	6.76	1.63	No
Dust Top Line 7	4,222	2.11	99%	162.8	6.76	1.63	No

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

$$E = 4.10 P^{0.67}$$



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

Notice of Public Comment

July 7, 2015
Zachary Confections, Inc.
023-35896-00039

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has been placed in the Legal Advertising section of your local newspaper. The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana's Air Permitting Program.

Please Note: *If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure
PN AAA Cover.dot 6/13/13



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Governor

Thomas W. Easterly
Commissioner

July 7, 2015

Mr. Jeramy Simpson
Zachary Confections, Inc.
PO Box 219
Frankfort, IN 46041

Re: Public Notice
Zachary Confections, Inc.
Permit Level: Significant Permit Revision
Permit Number: 023-35896-00039

Dear Mr. Simpson:

Enclosed is a copy of your draft Significant Permit Revision, Technical Support Document, emission calculations, and the Public Notice which will be printed in your local newspaper.

The Office of Air Quality (OAQ) has prepared two versions of the Public Notice Document. The abbreviated version will be published in the newspaper, and the more detailed version will be made available on the IDEM's website and provided to interested parties. Both versions are included for your reference. The OAQ has requested that the Times in Frankfort, Indiana publish the abbreviated version of the public notice no later than July 10, 2015. You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper.

OAQ has submitted the draft permit package to the Frankfort Community/Clinton County Contractual Public Library, 208 W. Clinton Street in Frankfort, Indiana. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Angela Taylor, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 4-5329 or dial (317) 234-5329.

Sincerely,

Greg Hotopp

Greg Hotopp
Permits Branch
Office of Air Quality

Enclosures

PN Applicant Cover letter-2014. Dot4/10/14



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Governor

Thomas W. Easterly
Commissioner

July 7, 2015

To: Frankfort Community/Clinton County Contractual Public Library

From: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Subject: **Important Information to Display Regarding a Public Notice for an Air Permit**

Applicant Name: Zachary Confections, Inc.
Permit Number: 023-35896-00039

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Request to publish the Notice of 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. **Please make this information readily available until you receive a copy of the final package.**

If you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures
PN Library.dot 6/13/2013



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100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

July 7, 2015

The Times
251 East Clinton Street
PO Box 9
Frankfort, IN 46041

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Zachary Confections, Inc., Clinton County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than July 10, 2015.

Please send a notarized form, clippings showing the date of publication, and the billing to the Indiana Department of Environmental Management, Accounting, Room N1345, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

To ensure proper payment, please reference account # 100174737.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call Greg Hotopp at 800-451-6027 and ask for extension 4-3493 or dial 317-234-3493.

Sincerely,

Greg Hotopp

Greg Hotopp
Permit Branch
Office of Air Quality

Permit Level: Significant Permit Revision
Permit Number: 023-35896-00039

Enclosure

PN Newspaper.dot 6/13/2013

Mail Code 61-53

IDEM Staff	GHOTOPP 7/7/2015 Zachary Confections, Inc. 023-35896-00039 Draft		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	 Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handling Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee
											Remarks
1		Jeramy Simpson Zachary Confections, Inc. PO Box 219 Frankfort IN 46041 (Source CAATS)									
2		George Anichini Senior Vice President Zachary Confections, Inc. PO Box 219 Frankfort IN 46041 (RO CAATS)									
3		Frankfort City Council and Mayors Office 301 E. Clinton Street Frankfort IN 46041 (Local Official)									
4		Frankfort Community Public 208 W Clinton Frankfort IN 46041-1811 (Library)									
5		Clinton County Health Department 400 E Clinton Street Frankfort IN 46041 (Health Department)									
6		Clinton County Board of Commissioners 125 Courthouse Square Frankfort IN 46041-1942 (Local Official)									
7		Mrs. Kathy Moore KERAMIDA Environmental, Inc. 401 North College Indianapolis IN 46202 (Consultant)									
8											
9											
10											
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