

We Protect Hoosiers and Our Environment.

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Michael R. Pence *Governor* 

Thomas W. Easterly

Commissioner

## NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding a New Source Review and Source Specific Operating Agreement (SSOA)

for Dekalb Molded Plastics in Dekalb County

NSR Permit and SSOA No.: S033-35955-00012

The Indiana Department of Environmental Management (IDEM) has received an application from Dekalb Molded Plastics located at 550 West Main Street, P.O. Box 129, Butler, IN 46721 for a NSR Permit and SSOA. If approved by IDEM's Office of Air Quality (OAQ), this proposed permit would allow Dekalb Molded Plastics to construct and operate a new stationary plastic injection molding source.

The applicant intends to construct and operate new equipment that will emit air pollutants; therefore, the permit contains new or different permit conditions. The potential to emit air pollutants will be limited pursuant to the conditions contained in the SSOA. 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.

IDEM is aware that the emission units have been constructed and/or operated prior to receipt of the proper permit. IDEM is reviewing this matter and will take appropriate action. This draft NSR SSOA contains provisions to bring unpermitted equipment into compliance with construction and operation permit rules.

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

Butler Public Library 340 South Broadway Street Butler, IN 46721

and

IDEM Northern Regional Office 300 N. Michigan Street, Suite 450 South Bend. IN 46601-1295

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 30<sup>th</sup> 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 S033-35955-00012 in all correspondence.

#### Comments should be sent to:

Deborah Cole
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension 4-5377
Or dial directly: (317) 234-5377
Fax: (317) 232-6749 attn: Deborah Cole
E-mail: dcole@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: <a href="http://www.in.gov/idem/5881.htm">http://www.in.gov/idem/5881.htm</a>; and the Citizens' Guide to IDEM on the Internet at: <a href="http://www.in.gov/idem/6900.htm">http://www.in.gov/idem/6900.htm</a>.

#### 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, at the IDEM Regional Office indicated above, and the IDEM public file room on the 12<sup>th</sup> floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.

If you have any questions, please contact your name of my staff at the above address.

Iryn Calillung, Section Chief

Permits Branch
Office of Air Quality



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Thomas W. Easterly

Commissioner

# NEW SOURCE REVIEW PERMIT AND SOURCE SPECIFIC OPERATING AGREEMENT OFFICE OF AIR QUALITY

#### Dekalb Molded Plastics 550 West Main Street, P.O. Box 129 Butler, Indiana 46721

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this New Source Review (NSR) Permit and Source Specific Operating Agreement (SSOA).

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-5.1, 326 IAC 2-9 and 40 CFR 52.780, with conditions listed on the attached pages.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Source Specific Operating Agreement (SSOA) under 326 IAC 2-9.

Source Specific Operating Agreement No. S033-35955-00012						
Issued by:	Issuance Date:					
Iryn Calilung, Section Chief Permits Branch Office of Air Quality						



**Dekalb Molded Products** Page 2 of 14 NSR and SSOA S033-35955-00012 Butler, Indiana DRAFT

Permit Reviewer: Deborah Cole

#### **SECTION A** SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 and A.2 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 pursuant to 326 IAC 2.

#### **General Information** A.1

The Permittee owns and operates a stationary source of plastic injection molding and coating to medium and large-sized, miscellaneous custom molded plastic products.

Source Address: 550 West Main Street, P.O. Box 129, Butler, IN 46721

General Source Phone Number: 260-868-2105

SIC Code: 3089 (Plastics Products Not Elsewhere Classified)

County Location: **Dekalb County** 

Source Location Status: Attainment for all other criteria pollutants Source Status: Source Specific Operating Agreement (SSOA)

#### Source Summary A.2

This stationary source consists of the following:

(1) Surface coating or graphic arts operation complying with 326 IAC 2-9-2.5(b)(2)(B):

Pursuant to 326 IAC 2-9-2.5(b)(2)(B), the total amount of volatile organic compounds (VOC) and hazardous air pollutants (HAP), as supplied, delivered to the surface coating or graphic arts operation shall not exceed the following:

- (a) the total amount of VOC shall not exceed two (2) tons per month,
- (b) the total amount of any single HAP shall not exceed eight hundred thirty-three (833) pounds per month, and
- the total amount of any combination of HAP shall not exceed one (1) ton per (c) month.
- (2)Exempt Emissions Units consisting of the following:
  - (a) Injection Molding

Nine (9) injection molding machines, with a total combined maximum throughput rate of 11, 378 pounds of plastic pellets per hour, no control.

(b) Welding

Two (2) sonic welders

Sonic welding does not generate any particulate emissions because it uses an acoustic tool to transfer energy though the part into the weld area. The friction melts and welds the plastic.

- (c) Sanding
  - One (1) sanding booth, consisting of a sander and grinder
- (d) Natural gas combustion for space heat or air makeup Two (2) natural gas heaters with a total heat input of 8.5 MMBtu/hour
- (e) Parts Washing

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**Dekalb Molded Products** 

Butler, Indiana

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One (1) parts washer with a maximum solvent usage of fifty (50) gallons per year, no control.

#### New Source Review and SSOA Applicability [326 IAC 2-9-1] [326 IAC 2-1.1-3(d)] A.3

- This source, otherwise required to have a permit under 326 IAC 2-5.1, 326 IAC 2-5.5, 326 IAC 2-6.1, 326 IAC 2-7, or 326 IAC 2-8, has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Source Specific Operating Agreement (SSOA) under 326 IAC 2-9.
- (b) Pursuant to 326 IAC 2-9-1(g), the source may apply for up to four (4) different SSOAs contained in 326 IAC 2-9.
- Pursuant to 326 IAC 2-1.1-3(d), this New Source Review Permit is required for the entire (c) source.

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#### **SECTION B**

#### **GENERAL CONDITIONS**

#### B.1 Definitions [326 IAC 2-1.1-1]

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 2-1.1-1) shall prevail.

#### B.2 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4]

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 when the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as described in the application or the permit. The emission units covered in this permit may continue operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as described.
- (b) If actual construction of the emission units differs from the construction described in the application, the source may not continue operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.
- (c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

#### 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

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

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

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

#### B.7 Duty to Provide Information

- (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

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requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

#### B.8 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to SSOA No. S033-35955-00012 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.9 Annual Notification [326 IAC 2-9-1(d)]

Pursuant to 326 IAC 2-9-1(d):

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this SSOA.
- (b) The annual notice shall be submitted in the format attached no later than January 30 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, IN 46204-2251

(c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

#### B.10 Source Modification Requirement [326 IAC 2-9-1(e)]

Pursuant to 326 IAC 2-9-1(e), before the Permittee modifies its operations in such a way that it will no longer comply with the applicable restrictions and conditions of this SSOA, it shall obtain the appropriate approval from IDEM, OAQ under 326 IAC 2-2, 326 IAC 2-3, 326 IAC 2-4.1, 326 IAC 2-5.1, 326 IAC 2-6.1, 326 IAC 2-7, and 326 IAC 2-8.

#### B.11 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [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 permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

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(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.

#### B.12 Permit Revocation [326 IAC 2-1.1-9] [326 IAC 2-9-1(j)]

- (a) Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to construct and operate may be revoked for any of the following causes:
  - (1) Violation of any conditions of this permit.
  - (2) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
  - (3) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
  - (4) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
  - (5) For any cause which establishes in the judgment of IDEM the fact that continuance of this permit is not consistent with purposes of this article.
- (b) Pursuant to 326 IAC 2-9-1(j), noncompliance with any applicable provision 326 IAC 2-9 or any requirement contained in this SSOA may result in the revocation of this SSOA and make this source subject to the applicable requirements of a major source.

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#### **SECTION C**

#### SOURCE OPERATION CONDITIONS

#### **Entire Source**

#### Emission Limitations and Standards [326 IAC 2-9]

#### C.1 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 SSOA:

- Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute (a) averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

#### C.2 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).

#### Compliance Requirements [326 IAC 2-1.1-11] [326 IAC 2-9]

#### C.3 Compliance with Applicable Requirements [326 IAC 2-9-1(i)]

Pursuant to 326 IAC 2-9-1(i), the owner or operator is hereby notified that this operating agreement does not relieve the Permittee of the responsibility to comply with the provisions of any applicable federal, state, or local rules, or any New Source Performance Standards (NSPS), 40 CFR Part 60, or National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR Part 61 or 40 CFR Part 63.

#### Record Keeping and Reporting Requirements [326 IAC 2-9]

#### General Record Keeping Requirements [326 IAC 2-9-1(f)] C.4

Pursuant to 326 IAC 2-9-1(f), records of all required monitoring data, reports and support information required by this SSOA shall be physically present or electronically accessible at the source location for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

#### Reporting Requirements [326 IAC 2-9-1(h)] C.5

Pursuant to 326 IAC 2-9-1(h), any exceedance of any requirement contained in this operating agreement shall be reported, in writing, within one (1) week of its occurrence. Said report shall include information on the actions taken to correct the exceedance, including measures to reduce emissions, in order to comply with the established limits. If an exceedance is the result of a malfunction, then the provisions of 326 IAC 1-6 apply.

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#### **SECTION D OPERATION CONDITIONS**

Operation Description: Surface Coating or Graphic Arts Operation [326 IAC 2-9-2.5]

(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 2-9]**

#### Volatile Organic Compounds and Hazardous Air Pollutants Limits [326 IAC 2-9-2.5(b)(2)(B)]

Pursuant to 326 IAC 2-9-2.5(b)(2)(B), the total amount of volatile organic compounds (VOC) and hazardous air pollutants (HAP), as supplied, delivered to the surface coating or graphic arts operation shall not exceed the following:

- (a) the total amount of VOC shall not exceed two (2) tons per month,
- the total amount of any single HAP shall not exceed eight hundred thirty-three (833) (b) pounds per month, and
- (c) the total amount of any combination of HAP shall not exceed one (1) ton per month.

#### Particulate [326 IAC 2-9-2.5(b)(5)] D.1.2

Pursuant to 326 IAC 2-9-2.5(b)(5), particulate matter emissions from spray application shall be controlled by a dry filter system or an equivalent control device.

The source shall operate the particulate control device at all times the surface coating or graphic arts operation is in operation in accordance with the manufacturer's specifications.

A source shall be considered in compliance with this requirement provided the overspray is not visibly detectable at the exhaust or accumulated on the rooftops or on the ground.

#### Record Keeping and Reporting Requirements [326 IAC 2-9]

#### Record Keeping Requirements [326 IAC 2-9-2.5(b)(3)] D.1.3

Pursuant to 326 IAC 2-9-2.5(b)(4), the source shall keep the following records of the surface coating or graphic arts operation:

- the number of gallons of each solvent containing material used, (a)
- (b) the VOC and HAP content (pounds per gallon, as supplied) of each solvent containing material used.
- material safety data sheets (MSDS) developed under 29 CFR 1910.1200(g) or a (c) manufacturer data sheet containing the manufacturer's formulation data for each solvent containing material used.

If a range of VOC or HAP content is provided on either the MSDS or the manufacturer data sheet, the highest content reported shall be used.

If both the MSDS and manufacturer data sheet are available, the manufacturer data sheet shall be the primary source for determining the VOC or HAP content (pounds/gallon) of each solvent containing material,

(d) a monthly summation of VOC and HAP usage, and Dekalb Molded Products

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(e) purchase orders and invoices for each solvent containing material used.

Section C - General Record Keeping Requirements of this SSOA contains the Permittee's obligations with regard to the records required by this condition.

#### D.1.4 Reporting Requirements [326 IAC 2-9-2.5(b)(6)]

Pursuant to 326 IAC 2-9-2.5(b)(6), the Permittee shall include with the annual notice required in Section B - Annual Notification, an inventory listing of the monthly volatile organic compound (VOC) and hazardous air pollutant (HAP) totals, and the total VOC and HAP emissions for the previous twelve (12) months.

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#### SECTION D

#### **OPERATION CONDITIONS**

Operation Description: One (1) parts washer with a maximum solvent usage of fifty (50) gallons per year, no control.

(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 2-9]

#### D.2.1 326 IAC 8-3-2 (Cold Cleaner Degreaser Operating Requirements)

- (a) Pursuant to 326 IAC 8-3-2(a), the owner or operator of a cold cleaner degreaser shall ensure the following control equipment and operating requirements are met for the parts washing operation:
  - (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 subdivisions (3), (4), (6), and (7).
  - (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) Pursuant to 326 IAC 8-3-2(b), the owner or operator shall ensure the following additional control equipment and operating requirements are met for the parts washer:
  - (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 clauses (A) through (D) 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.2.2 Material Requirements for Cold Cleaner Degreasers [326 IAC 8-3-8]

326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers)

Pursuant to 326 IAC 8-3-8(a)(2), the owner or operator shall comply with the following material requirements for use in cold cleaner degreasers on and after January 1, 2015:

(a) Pursuant to 326 IAC 8-3-8(a)(1)(2) the owner or operator shall not operate a cold cleaner degreaser with a solvent that has a VOC composite partial vapor pressure which exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixtyeight (68) degrees Fahrenheit.

#### Recordkeeping and Reporting [326 IAC 2-5.1-2(g)][326 IAC 2-5.5-4(b)]

D.2.3 Record Keeping Requirements [326 IAC 8-3-8]

In order to document the compliance status with Condition D.2.2, the owner or operator shall maintain each of the following records for each purchase:

- (a) The following records shall be maintained for each purchase of solvent:
  - (1) Name and address of the solvent supplier
  - (2) Date of purchase or invoice/bill date of contract servicer indicating service date
  - (3) Type of solvent purchased
  - (4) Total volume of solvent purchased
  - (5) True vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit
  - (6) Records will be retained on site or accessible electronically from the site for the most recent three (3) year period and reasonably accessible for an additional two (2) year period.
- (b) Section C General Record Keeping Requirements contains the source's obligations with regard to the record keeping required by this condition.

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Dekalb Molded Products Butler, Indiana

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

## SOURCE SPECIFIC OPERATING AGREEMENT (SSOA) ANNUAL NOTIFICATION

This form should be used to comply with the notification requirements under 326 IAC 2-9.

Company Name:	Dekalb Molded Plastics	
Address:	550 West Main Street, P.O.	Box 129
City:	Butler, IN 46721	
Phone #:	260-868-2105	
SSOA #:	S033-35955-00012	
, ,	ekalb Molded Plastics is: ekalb Molded Plastics is:	<ul><li>□ still in operation.</li><li>□ no longer in operation.</li><li>□ in compliance with the requirements</li></ul>
		of SSOA S033-35955-00012.  ☐ not in compliance with the requirements of SSOA S033-35955-00012.
Authorized Individu	ual (typed):	
Title:		
Signature:		
Date:		
		e source is not in compliance, provide a narrative ance and the date compliance was, or will be
Noncompliance:		

Permit Reviewer: Deborah Cole

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#### **Indiana Department of Environmental Management** Office of Air Quality **Compliance and Enforcement Branch**

#### **Annual Report**

Source Name: **Dekalb Molded Plastics** 

Source Address: 550 West Main Street, P.O. Box 129, Butler, IN 46721

SSOA No.: S033-35955-00012

Source/Facility: Surface Coating or Graphic Arts Operation [326 IAC 2-9-2.5]

Pollutant: Volatile Organic Compound (VOC) and Hazardous Air Pollutants (HAPs)

Pursuant to 326 IAC 2-9-2.5(b)(2)(B), the total amount of volatile organic compounds Limits:

(VOC) and hazardous air pollutants (HAP), as supplied, delivered to the surface

coating operation shall not exceed the following:

(a) the total amount of VOC shall not exceed two (2) tons per month,

(b) the total amount of any single HAP shall not exceed eight hundred thirty-three (833)

pounds per month, and

(c) the total amount of any combination of HAP shall not exceed one (1) ton per month.

Year:				

	VOC Emissions (tons)			Wo	Worst Single HAP Emissions (pounds)			Total Combined HAPs Emissions (tons)		
		Previous	12		Previous	12		Previous	12	
	This	11	Month	This	11	Month	This	11	Month	
Month	Month	Months	Total	Month	Months	Total	Month	Months	Total	

Form Completed by:
Fitle / Position:
Date:
Phone:

**Dekalb Molded Products** 

Butler, Indiana

Permit Reviewer: Deborah Cole

Page 14 of 14 NSR and SSOA S033-35955-00012

Mail to: Permit Administration and Support Section

Office of Air Quality 100 North Senate Avenue MC 61-53 IGCN 1003 Indianapolis, Indiana 46204-2251

Dekalb Molded Products 550 West Main Street, P.O. Box 129 Butler, IN 46721

#### **Affidavit of Construction**

DRAFT

l,			, being	duly sworn upo	on my oath, depose and say:
	(Name of the Authorized Represent	ative)			
1.	I live in	С	ounty, Indiana and	being of sound	mind and over twenty-one
	(21) years of age, I am competent to		-	· ·	•
2.	I hold the position of		for		<del> </del>
		(Title)		(Company N	Name)
3.	By virtue of my position with		(Company Nama	\	, I have personal
	knowledge of the representations co	ontained in thi	s affidavit and am a	authorized to m	ake these representations
	on behalf of	<u> </u>			·
		(Company Na	ime)		
4.	I hereby certify that Dekalb Molded	Products, loca	ated at 550 West M	lain Street, P.O	. Box 129, Butler, IN 46721,
	constructed and will operate a static				
	requirements and intent of the perm		-		
	permitted pursuant to the New Sour	ce Review Pe	ermit and SSOA No	. 033-35955-00	012 issued on
_	A 1199		.,		
5.	Additional we (operations/facilities)	re constructed	d/substituted as des	scribed in the at	ttachment to this document
	and were not made in accordance v	vith the consti	uction approval. (D	elete this state	ment if it does not apply.)
Fundle on Afficient and					, , , , , , , , , , , , , , , , , , , ,
Further Affiant sai		tiona aontain	ad in this officionit	ara 4m. a 4a 4b.	a boot of my information
and belief.	alties of perjury that the representa	tions contain	ed in this amdavit	are true, to the	a best of my information
		Signatu	re		<u> </u>
		Date			
STATE OF INDIA	NA) SS				
,					
COUNTY OF	)				
Subscrib	ped and sworn to me, a notary publ	ic in and for			_ County and State of
Indiana on this _	day of		, 20		
My Commission e	expires:				
•	'				
			Signature		<u> </u>
			Name (typed or	printed)	

# Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for a New Source Review (NSR) Permit and a Source Specific Operating Agreement (SSOA)

#### **Source Description and Location**

Source Name: Dekalb Molded Plastics

Source Location: 550 West Main Street, P.O. Box 129, Butler, IN 46721

County: Dekalb

SIC Code: 3089 (Plastics Products Not Elsewhere Classified)

Operation Permit No.: S033-35955-00012 Permit Reviewer: Deborah Cole

The Office of Air Quality (OAQ) has reviewed an application, submitted by Dekalb Molded Plastics on June 16, 2015, for a Source Specific Operating Agreement (SSOA) for the operation of a stationary plastic injection molding source.

The source is transitioning from a Permit by Rule and is applying for a SSOA for the surface coating and graphic arts operation. The source applies coating to medium and large-sized, miscellaneous custom molded plastic products.

In order to determine that this source can operate under a SSOA, the sum of the limited PTE for the surface coating and graphic arts operation and the unlimited PTE of the other units shall not exceed the Title V major source thresholds.

#### **Existing Approval:**

The source has been operating under a Permit by Rule (PBR) No.: 033-15957-00012, issued on May 13, 2002, for a plastic injection molding operation for the manufacture of medium to large sized custom molded products.

The operation included the following units:

- 1. Nine (9) plastic injection molding machines
- 2. Two (sonic) welders
- 3. One (1) sanding and grinding booth
- 4. Natural gas combustion
- 5. One (1) parts washer

#### New Approval:

On June 16, 2015, Dekalb Molded Plastics submitted to IDEM an application for a Source Specific Operating Agreement (SSOA) for the surface coating and graphic arts operation.

All previous registrations and permits are superseded by this permit.

#### Permit Level Determination - NSR and SSOA

This source is obtaining a New Source Review (NSR) Permit and Source Specific Operating Agreement (SSOA) for approval to construct (pursuant to 326 IAC 2-5.1-3) and operate (pursuant to 326 IAC 2-9), since the source-wide limited potential to emit of one or more criteria pollutants is greater than twenty-five (25) tons per year.

**Dekalb Molded Products** Page 2 of 6 TSD for a NSR Permit and SSOA No. S033-35955-00012

Butler, Indiana

Permit Reviewer: Deborah Cole

This source consists of the following operations:

Surface coating or graphic arts operation complying with 326 IAC 2-9-2.5(b)(2)(B): (1)

Pursuant to 326 IAC 2-9-2.5(b)(2)(B), the total amount of volatile organic compounds (VOC) and hazardous air pollutants (HAP), as supplied, delivered to the surface coating or graphic arts operation shall not exceed the following:

- (a) the total amount of VOC shall not exceed two (2) tons per month,
- (b) the total amount of any single HAP shall not exceed eight hundred thirty-three (833) pounds per month, and
- the total amount of any combination of HAP shall not exceed one (1) ton per (c) month.
- (2) Exempt Emissions Units consisting of the following:
  - (a) Injection Molding Nine (9) injection molding machines, with a total combined maximum throughput rate of 11, 378 pounds of plastic pellets per hour, no control.
  - (b) Welding Two (2) sonic welders Sonic welding does not generate any particulate emissions because it uses an acoustic tool to transfer energy though the part into the weld area. The friction melts and welds the plastic.
  - (c) Sanding One (1) sanding booth, consisting of a sander and grinder
  - Natural gas combustion for space heat or air makeup (d) Two (2) natural gas heaters with a total heat input of 8.5 MMBtu/hour
  - (e) Parts Washing One (1) parts washer with a maximum solvent usage of fifty (50) gallons per year, no control.

For a source that operates under 326 IAC 2-9 (Source Specific Operating Agreement Program), the source is required to comply with the pre-established emission limitations and standards contained in the specific SSOA(s) under 326 IAC 2-9. For a detailed description of the requirements specific to each SSOA, see 326 IAC 2-9.

#### **Enforcement Issues**

IDEM is aware that equipment has been constructed and operated prior to receipt of the proper permit. IDEM is reviewing this matter and will take the appropriate action. This proposed approval is intended to satisfy the requirements of the construction permit rules.

#### **Emission Calculations**

See Appendix A of this TSD for detailed emission calculations.

Dekalb Molded Products Butler, Indiana

Permit Reviewer: Deborah Cole

Emissions Unit	PM	PM10	PM2.5	SO2	NOx	voc	со	Total HAPs	Worst Single HAP
Unit Under SSOA:									
Surface Coating or Graphic Arts	0.00	0.00	0.00	0.00	0.00	24.00	0.00	12.00	4.98
Limited PTE under SSOA:	0.00	0.00	0.00	0.00	0.00	24.00	0.00	12.00	4.98
Exempt Units:									
Injection Molding	3.24	3.24	3.24	0.00	0.00	1.53	1.00	0.00	0.00
Sanding Booth	0.60	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas Combustion	0.07	0.28	0.28	0.02	3.65	0.20	3.07	0.07	0.07
Parts Washer	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00
Unlimited PTE of Exempt Units:	3.91	4.12	4.12	0.02	3.65	1.90	4.06	0.07	0.07
PTE OF ENTIRE SOURCE:	3.91	4.12	4.12	0.02	3.65	25.90	4.06	12.07	5.05

New Source Review is required for this permit because the PTE of the limited VOC combined with the PTE of the exempt units is greater than twenty-five (25) tons per year.

The PTE of the entire source is less than the Title V major source thresholds; therefore a SSOA can be issued.

#### **Federal Rule Applicability Determination**

#### New Source Performance Standards (NSPSs)

There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the SSOA.

#### 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 in the permit.

#### 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**

The following state rules are applicable to the source:

- (a) 326 IAC 2-9 (Source Specific Operating Agreement Program)
  SSOA applicability is discussed under the Permit Level Determination SSOA section above.
- (b) 326 IAC 5-1 (Opacity Limitations)
  Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

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TSD for a NSR Permit and SSOA No. S033-35955-00012

Permit Reviewer: Deborah Cole

(1) 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.

- (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (c) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
  Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source 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.
- (d) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations) The requirements of 326 IAC 6-5 are not included in the SSOA, since each of the SSOAs contained under 326 IAC 2-9 (Source Specific Operating Agreement Program) that limit fugitive emissions include pre-established fugitive dust control measures.

#### Cleaning and Lubricating Solvents (Degreasing)

- (a) Pursuant to 326 IAC 8-3-2(a), the owner or operator of a cold cleaner degreaser shall ensure the following control equipment and operating requirements are met for the parts washing operation:
  - (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 subdivisions (3), (4), (6), and (7).
  - (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) Pursuant to 326 IAC 8-3-2(b), the owner or operator shall ensure the following additional control equipment and operating requirements are met for the parts washer:
  - (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.

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- (D) Carbon adsorption.
- (E) An alternative system of demonstrated equivalent or better control as those outlined in clauses (A) through (D) that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.
- (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.

326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers)
Pursuant to 326 IAC 8-3-8(a)(2), the source shall comply with the following material requirements for use in cold cleaner degreasers on and after January 1, 2015:

- (a) Pursuant to 326 IAC 8-3-8(a)(1)(2) the owner or operator shall not operate a cold cleaner degreaser with a solvent that has a VOC composite partial vapor pressure which exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixtyeight (68) degrees Fahrenheit.
- (b) The following records shall be maintained for each purchase of solvent:
  - (1) Name and address of the solvent supplier
  - (2) Date of purchase or invoice/bill date of contract servicer indicating service date
  - (3) Type of solvent purchased
  - (4) Total volume of solvent purchased
  - (5) True vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit
  - (6) Records will be retained on site or accessible electronically from the site for the most recent three (3) year period and reasonably accessible for an additional two (2) year period.

#### Compliance Determination, Monitoring, Record Keeping, and Reporting Requirements

For a source that operates under 326 IAC 2-9 (Source Specific Operating Agreement Program), the source is required to comply with the pre-established emission limitations and standards, compliance determination, compliance monitoring, and record keeping and reporting requirements contained in the specific SSOA(s) under 326 IAC 2-9. For a detailed description of the requirements specific to each SSOA, see 326 IAC 2-9.

#### **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 16, 2015.

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TSD for a NSR Permit and SSOA No. S033-35955-00012

Permit Reviewer: Deborah Cole

The operation of this source shall be subject to the conditions of the attached proposed SSOA No. S033-35955-00012. The staff recommends to the Commissioner that this SSOA be approved.

#### **IDEM Contact**

- (a) Questions regarding this proposed permit can be directed to Deborah Cole 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) 234-5377 or toll free at 1-800-451-6027, ext. 4-5377.
- (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 Permit Guide on the Internet at: <a href="http://www.in.gov/idem/5881.htm">http://www.in.gov/idem/5881.htm</a>; and the Citizens' Guide to IDEM on the Internet at: <a href="http://www.in.gov/idem/6900.htm">http://www.in.gov/idem/6900.htm</a>.

## Appendix A: Emissions Calculations Source Summary

**Company Name: DeKalb Molded Plastics** 

Address: 550 W. Main, Butler, IN 46721

SSOA Number: 033-35955-00012 Reviewer: Deborah Cole

Emissions in Tons Per Year									
Units Limited Under SSOA:	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Total HAPs	Single HAP
Surface Coating Operation (Subject to the requirements of 326 IAC 2-9-2.5(b)(2)(B)*	0.00	0.00	0.00	0.00	0.00	24.00	0.00	12.00	4.98
TOTAL OF UNITS UNDER SSOA:	0.00	0.00	0.00	0.00	0.00	24.00	0.00	12.00	4.98
Injection Molding	3.24	3.24	3.24	0.00	0.00	1.53	1.00	0.00	0.00
Sanding and Grinding	0.60	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas Combustion	0.07	0.28	0.28	0.02	3.65	0.20	3.07	0.07	0.07
Parts Washer	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00
TOTAL OF EXEMPT UNITS:	3.91	4.12	4.12	0.02	3.65	1.90	4.06	0.07	0.07
		•			•				
TOTAL PTE OF ENTIRE SOURCE:	3.91	4.12	4.12	0.02	3.65	25.90	4.06	12.07	5.05

<sup>\*</sup>Pursuant to 326 IAC 2-9-2.5(b)(2)(B), total VOC emissions from the industrial or commercial surface coating operation shall not exceed two (2) tons per month. Total emissions from HAPs shall not exceed eight hundred thirty-three (833) pounds per month of any single HAP and one (1) ton per month of total HAP.

#### Appendix A: Emissions Calculations Injection Molding

Company Name: DeKalb Molded Plastics

Address: 550 W. Main, Butler, IN 46721

SSOA Number: 033-35955-00012 Reviewer: Deborah Cole

		VO	С	CC	)		PM	
Emission Unit	Max throughput rate (lbs/hr)	Emission Factor (lbs/ton)	PTE (tons/yr)	Emission Factor (lbs/ton)	PTE (tons/yr)	Emission Factor (lbs/ton)	PTE (lbs/hr)	PTE (tons/yr)
B10	800	0.0614	0.11	0.04	0.07	0.1302	0.05	0.23
B20	800	0.0614	0.11	0.04	0.07	0.1302	0.05	0.23
B30	1800	0.0614	0.24	0.04	0.16	0.1302	0.12	0.51
B40	800	0.0614	0.11	0.04	0.07	0.1302	0.05	0.23
B50	378	0.0614	0.05	0.04	0.03	0.1302	0.02	0.11
B60	1600	0.0614	0.22	0.04	0.14	0.1302	0.10	0.46
B70	1600	0.0614	0.22	0.04	0.14	0.1302	0.10	0.46
B80	1600	0.0614	0.22	0.04	0.14	0.1302	0.10	0.46
B90	2000	0.0614	0.27	0.04	0.18	0.1302	0.13	0.57
Totals:	11,378		1.53		1.00			3.24

#### Notes:

Maximum throughput values are provided by the facility and are based upon the current specifications for each existing injection molding and extrusion machine.

VOC and PM emission factors are from Fact Sheet #9847 (revised 11/05) from the Michgan Department of Environmental Quality.

There are no emission factors for these types of processes in AP-42 or U.S. EPA WebFIRE.

CO emission factor is based on Patel, S.H and Xanthos, M. (1995) "Volatile Emissions During Thermoplastics Processing - A Review", Advances in Polymer Technology, Vol. 14, pp. 67-77 All machines vent inside the facility.

Assume  $PM = PM_{10} = PM_{2.5}$ 

#### Methodology:

PTE (lbs/hr) = Max throughput rate (lbs/hr) \* Emission Factor (lbs/ton) \* 1 ton/2000 lbs

PTE (tons/yr) = Max throughput rate (lbs/hr) \* Emission Factor (lbs/ton) \* 1 ton/2000 lbs \* 8760 hrs/yr \* 1 ton/2000 lbs

# Emissions Calculations Potential PM, PM<sub>10</sub>, and PM<sub>2.5</sub> Emissions from Sanding and Grinding Booth Operations

Company Name: DeKalb Molded Plastics

Address: 550 W. Main, Butler, IN 46721

SSOA Number: 033-35955-00012 Reviewer: Deborah Cole

ŀ	Sander & Grinder				
	Max Units per Hour	Amount removed through sanding & grinding (lbs/unit)*	Weight %	Emissions (lb/hr)	Emissions (tons/yr)
	20	0.00680	100%	0.136	0.60

<sup>\*</sup> Information provided by the source. PM10 and PM2.5 = PM

#### Methodology

Potential PM/PM10 emissions(lb/hr) = Max units per hour x amount of material removed through sanding x percent particle size Potential PM/PM10 emissions(tons/yr) = Potential PM/PM10 emissions(lb/hr) x 8760 hrs/year x 1 ton/2000lbs

Source measured 20 lbs of dust collected in the vacuum system drum after sanding and grinding 2940 pcs. Estimate at least 90% control efficiency. The vac system is self contained and they do not use sand booth

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

Company Name: DeKalb Molded Plastics Address : 550 W. Main, Butler, IN 46721

SSOA Number: 033-35955-00012 Reviewer: Deborah Cole

		HHV	
Units	Heat Input Capacity	mmBtu	Potential Throughput
	MMBtu/hr	mmscf	MMCF/yr
ARG-36 Devilbis	3.6		
MA 50 W.C. Grant	4.9		
	8.5	1020	73.0

				Pollutant			
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	7.6	0.6	100	5.5	84
					**see below		
Potential Emission in tons/yr	0.07	0.28	0.28	0.02	3.65	0.20	3.07

<sup>\*</sup>PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

PM2.5 emission factor is filterable and condensable PM2.5 combined.

#### 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/1,020 MMBtu Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

#### Hazardous Air Pollutants (HAPs)

	HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	Total - Organics
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	7.7E-05	4.4E-05	2.7E-03	0.07	1.2E-04	0.07

	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	Total - Metals
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	1.8E-05	4.0E-05	5.1E-05	1.4E-05	7.7E-05	2.0E-04
Methodology is the same as above.	Total HAPs	0.07				
The five highest organic and metal HAPs emission factors are provided above.						0.07

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

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

## Appendix A: Emissions Calculations Parts Washer

**Company Name: DeKalb Molded Plastics** 

Address: 550 W. Main, Butler, IN 46721

SSOA Number: 033-35955-00012

Reviewer: Deborah Cole

#### **Parts Washer**

Material	Density (lbs/gal)	* Maximum Usage (gal/yr)	Weight % VOC	PTE VOC (tons/yr)	
Safety-Kleen Solvent 105	6.70	50	100%	0.168	
	·	_		0.168	

#### Methodology

PTE VOC/HAP (tons/yr) = Density (lbs/gal) x Maximum Usage (gal/yr) x Weight % VOC or HAP x 1 ton/2,000 lbs

<sup>\*</sup> Usage based on annual waste manifests. Information provided by the source.



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Michael R. Pence Governor Thomas W. Easterly

Commissioner

#### **Notice of Public Comment**

July 28, 2015 Dekalb Molded Plastics 033-35955-00012

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







We Protect Hoosiers and Our Environment.

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Michael R. Pence Governor Thomas W. Easterly

Commissioner

July 28, 2015

Mr. Rick Walters Dekalb Molded Plastics 550 W Main PO Box 129 Butler, IN 46721

Re: Public Notice

**Dekalb Molded Plastics** 

Permit Level: New Source Review & SSOA

Permit Number: 033-35955-00012

Dear Mr. Walters:

Enclosed is a copy of your draft New Source Review, Source Specific Operating Agreement, 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 Auburn Evening Star in Auburn, Indiana publish the abbreviated version of the public notice no later than July 31, 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 Butler Public Library, 340 South Broadway Street in Butler, 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 Deborah Cole, 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 4-5337 or dial (317) 234-5337.

Sincerely,

Greg Hotopp

Greg Hotopp Permits Branch Office of Air Quality

Enclosures PN Applicant Cover lette-2014. Dot4/10/14







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

July 28, 2015

To: Butler 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: Dekalb Molded Plastics

Permit Number: 033-35955-00012

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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Michael R. Pence Governor Thomas W. Easterly

Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

July 28, 2015

Auburn Evening Star 118 West Ninth Street Auburn, IN 46706

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Dekalb Molded Products, DeKalb 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 31, 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: New Source Review & Source Specific Operating Agreement

Permit Number: 033-35955-00012

Enclosure

PN Newspaper.dot 6/13/2013





# Mail Code 61-53

IDEM Staff	GHOTOPP 7/28	/2015		
	Dekalb Molded P	Plastics Co 033-35955-00012 Draft	AFFIX STAMP	
Name and		Indiana Department of Environmental	Type of Mail:	HERE IF
address of		Management		USED AS
Sender		Office of Air Quality – Permits Branch	CERTIFICATE OF	CERTIFICATE
	·	100 N. Senate	MAILING ONLY	OF MAILING
		Indianapolis, IN 46204	MAIENTO OTET	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee
4		Rick Walters Dekalb Molded Plastics Co 550 W Main PO Box 129 Bulter IN 46721 (Sc	urce CAATS	)							Remarks
		· ·		,							
2		Mr. Steve Christman NISWMD 2320 W 800 S, P.O. Box 370 Ashley IN 46705 (Affected Party)									
3		Ms. Diane Leroy 303 N. Jackson St. Auburn IN 46706 (Affected Party)									
4		Mr. Barry Fordanish R#3 1480 CR 66 Auburn IN 46706 (Affected Party)									
5		Dekalb County Health Department 220 E 7th St #110 Auburn IN 46706 (Health Department)									
6		Butler Public Library 340 South Broadway Street Butler IN 46721-1308 (Library)									
7	Daniel & Sandy Trimmer 15021 Yellow River Road Columbia City IN 46725 (Affected Party)										
8	Brown & Sons Fuel Co. P.O. Box 665 Kendallville IN 46755 (Affected Party)										
9	Mr. Marty K. McCurdy 2550 County Road 27 Waterloo IN 46793 (Affected Party)										
10	Peter Keck Compliance Consulting Service 207 Hoosier Dr., Ste. 4 Angola IN 46703 (Consultant)										
11		DeKalb County Building Department 301 S Union St Auburn IN 46706 (Local Official)									
12											
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Listed by Sender	Received at Post Office	Receiving employee)	maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50,000 per
			occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500.
4 4			The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal
1 1			insurance. See <b>Domestic Mail Manual R900</b> , <b>S913</b> , and <b>S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international
• •			mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.