



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

TO: Interested Parties / Applicant

DATE: May 6, 2009

RE: Country Custom Finish /039-27345-00604

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

## Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures  
FNPER.dot12/03/07



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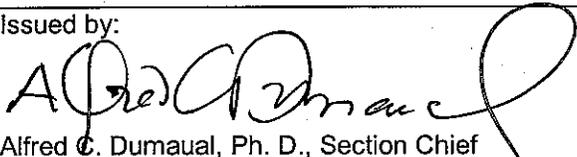
## Minor Source Operating Permit Renewal OFFICE OF AIR QUALITY

**Country Custom Finish  
27781 CR 32  
Elkhart, Indiana 46550**

(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.

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

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

Operation Permit No.: M039-27345-00604	
Issued by:  Alfred C. Dumauval, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: May 6, 2009  Expiration Date: May 6, 2019

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## SECTION A SOURCE SUMMARY

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

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

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The Permittee owns and operates a stationary wood furniture coating operation.

Source Address:	27781 CR 32, Elkhart, Indiana 46550
Mailing Address:	27781 County Road 32, Elkhart, IN 46550
General Source Phone Number:	(574) 865-1419
SIC Code:	2511
County Location:	Elkhart
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

### A.2 Emission Units and Pollution Control Equipment Summary

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

- (a) One (1) Spray Gun and Booth, identified as SG1, constructed in 2004, with a maximum capacity of 17.5 parts per hour and exhausting to stack S1.
- (b) One (1) Spray Gun and Booth, identified as SG2, constructed in 2004, with a maximum capacity of 17.5 parts per hour and exhausting to stack S2.
- (c) One (1) Spray Gun and Booth, identified as SG3, constructed in 2004, with a maximum capacity of 17.5 parts per hour and exhausting to stack S3.
- (d) One (1) Spray Gun and Booth, identified as SG4, constructed in 2004, with a maximum capacity of 17.5 parts per hour and exhausting to stack S4.
- (e) One (1) Scuff Sanding Downdraft Table, identified as ST1, constructed in 2004, equipped with an internal dust collection system for particulate control, with a maximum process weight of 583.33 pounds per hour.
- (f) One (1) Scuff Sanding Downdraft Table, identified as ST2, constructed in 2004, equipped with an internal dust collection system for particulate control, with a maximum process weight of 583.33 pounds per hour.
- (g) One (1) Scuff Sanding Downdraft Table, identified as ST3, constructed in 2004, equipped with an internal dust collection system for particulate control, with a maximum process weight of 583.33 pounds per hour.
- (h) One (1) Natural Gas Fired Air Makeup Unit, identified as A1, constructed in 2004, with a maximum capacity of 1.0 MMBtu per hour.

- (i) One (1) Natural Gas Fired Air Makeup Unit, identified as A2, constructed in 2004, with a maximum capacity of 1.0 MMBtu per hour.
- (j) One (1) Propane Gas Fired Air Makeup Unit, identified as A3, constructed in 2004, with a maximum capacity of 0.75 MMBtu per hour.

## SECTION B GENERAL CONDITIONS

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

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

---

- (a) This permit, M039-27345-00604, 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]

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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

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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

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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

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

### B.7 Duty to Provide Information

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- (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. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). 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.

#### B.8 Certification

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- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, 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 Notification [326 IAC 2-6.1-5(a)(5)]

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- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:  
  
Indiana Department of Environmental Management  
Compliance 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 Preventive Maintenance Plan [326 IAC 1-6-3]

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- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:
  - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) 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 or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

**B.11 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

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- (a) All terms and conditions of permits established prior to M039-27345-00604 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.12 Termination of Right to Operate [326 IAC 2-6.1-7(a)]**

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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 one hundred twenty (120) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

**B.13 Permit Renewal [326 IAC 2-6.1-7]**

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- (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 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require the certification by 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 one hundred twenty (120) days prior to the date of the expiration of this permit; and
  - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ 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 in writing by IDEM, OAQ any additional information identified as being needed to process the application.

**B.14 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]**

---

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.

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

Indiana Department of Environmental Management  
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 shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

**B.15 Source Modification Requirement**

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

**B.16 Inspection and Entry**

[326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

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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;

(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.17 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]**

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(a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 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

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

- (c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

**B.18 Annual Fee Payment [326 IAC 2-1.1-7]**

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- (a) The Permittee shall pay annual fees due within thirty (30) calendar days of receipt of a bill from IDEM, OAQ.

- (b) 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.19 Credible Evidence [326 IAC 1-1-6]**

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

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source

### Emission Limitations and Standards [326 IAC 2-6.1-5(a)(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 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

#### C.3 Opacity [326 IAC 5-1]

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

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

#### C.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 or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

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

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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]

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
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. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

### **Testing Requirements [326 IAC 2-6.1-5(a)(2)]**

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

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- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

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

Indiana Department of Environmental Management  
Compliance 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 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 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.

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

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

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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 2-6.1-5(a)(2)]**

### **C.10 Compliance Monitoring [326 IAC 2-1.1-11]**

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

### **C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]**

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

### **C.12 Instrument Specifications [326 IAC 2-1.1-11]**

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- (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**

### **C.13 Response to Excursions or Exceedances**

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- (a) Upon detecting an excursion or exceedance, the Permittee shall 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 emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
  - (1) initial inspection and evaluation;
  - (2) recording that operations returned 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 within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (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 maintain the following records:
  - (1) monitoring data;
  - (2) monitor performance data, if applicable; and
  - (3) corrective actions taken.

**C.14 Actions Related to Noncompliance Demonstrated by a Stack Test**

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) 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 the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

**C.15 Malfunctions Report [326 IAC 1-6-2]**

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Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).

- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.16 General Record Keeping Requirements [326 IAC 2-6.1-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the 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, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later.

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

- (a) Reports required by conditions in Section D of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (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.

## SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (a) One (1) Spray Gun and Booth, identified as SG1, constructed in 2004, with a maximum capacity of 17.5 parts per hour and exhausting to stack S1.
- (b) One (1) Spray Gun and Booth, identified as SG2, constructed in 2004, with a maximum capacity of 17.5 parts per hour and exhausting to stack S2.
- (c) One (1) Spray Gun and Booth, identified as SG3, constructed in 2004, with a maximum capacity of 17.5 parts per hour and exhausting to stack S3.
- (d) One (1) Spray Gun and Booth, identified as SG4, constructed in 2004, with a maximum capacity of 17.5 parts per hour and exhausting to stack S4.

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

### Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

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

Pursuant to 326 IAC 6-3-2(d), surface coating processes shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, subject to the following:

- (a) The source shall operate the control device in accordance with manufacturer's specifications.
- (b) If overspray is visibly detected at the exhaust or accumulates on the ground, the source shall inspect the control device and do either of the following no later than four (4) hours after such observation:
  - (1) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
  - (2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
- (c) If overspray is visibly detected, the Permittee shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

The control device shall be in operation at all times when the Spray Gun and Booths are in operation.

#### D.1.2 Preventative Maintenance Plan [326 IAC1-6-3]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY**

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

Source Name: Country Custom Finish  
Source Address: 27781 CR 32, Elkhart, Indiana 46550  
Mailing Address: 27781 County Road 32, Elkhart, IN 46550  
MSOP No.: M039-27345-00604

**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:

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

**MINOR SOURCE OPERATING PERMIT  
ANNUAL NOTIFICATION**

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

<b>Company Name:</b>	Country Custom Finish
<b>Address:</b>	27781 CR 32
<b>City:</b>	Elkhart, Indiana 46550
<b>Phone #:</b>	(574) 865-1419
<b>MSOP #:</b>	M039-27345-00604

I hereby certify that Country Custom Finish is :

still in operation.

I hereby certify that Country Custom Finish is :

no longer in operation.

in compliance with the requirements of MSOP M039-27345-00604.

not in compliance with the requirements of MSOP M039-27345-00604.

<b>Authorized Individual (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

<b>Noncompliance:</b>

### MALFUNCTION REPORT

#### INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY FAX NUMBER: (317) 233-6865

**This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.**

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?\_\_\_\_, 25 TONS/YEAR SULFUR DIOXIDE ?\_\_\_\_, 25 TONS/YEAR NITROGEN OXIDES?\_\_\_\_, 25 TONS/YEAR VOC ?\_\_\_\_, 25 TONS/YEAR HYDROGEN SULFIDE ?\_\_\_\_, 25 TONS/YEAR TOTAL REDUCED SULFUR ?\_\_\_\_, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?\_\_\_\_, 25 TONS/YEAR FLUORIDES ?\_\_\_\_, 100 TONS/YEAR CARBON MONOXIDE ?\_\_\_\_, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?\_\_\_\_, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?\_\_\_\_, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?\_\_\_\_, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?\_\_\_\_. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION \_\_\_\_\_.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC \_\_\_\_\_ OR, PERMIT CONDITION # \_\_\_\_\_ AND/OR PERMIT LIMIT OF \_\_\_\_\_

THIS INCIDENT MEETS THE DEFINITION OF "MALFUNCTION" AS LISTED ON REVERSE SIDE ?    Y        N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ?    Y        N

COMPANY: \_\_\_\_\_ PHONE NO. (    ) \_\_\_\_\_  
LOCATION: (CITY AND COUNTY) \_\_\_\_\_  
PERMIT NO. \_\_\_\_\_ AFS PLANT ID: \_\_\_\_\_ AFS POINT ID: \_\_\_\_\_ INSP: \_\_\_\_\_  
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: \_\_\_\_\_

DATE/TIME MALFUNCTION STARTED: \_\_\_\_/\_\_\_\_/20\_\_\_\_    \_\_\_\_\_ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: \_\_\_\_\_

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE \_\_\_\_/\_\_\_\_/20\_\_\_\_    \_\_\_\_\_ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER: \_\_\_\_\_

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: \_\_\_\_\_

MEASURES TAKEN TO MINIMIZE EMISSIONS: \_\_\_\_\_

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL\* SERVICES: \_\_\_\_\_  
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: \_\_\_\_\_  
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: \_\_\_\_\_  
INTERIM CONTROL MEASURES: (IF APPLICABLE) \_\_\_\_\_

MALFUNCTION REPORTED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

\*SEE PAGE 2

**Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.**

**326 IAC 1-6-1 Applicability of rule**

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

**326 IAC 1-2-39 "Malfunction" definition**

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

**\*Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

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**Indiana Department of Environmental Management**  
**Office of Air Quality**  
**and IDEM Northern Regional Office**

Technical Support Document (TSD) for a Minor Source Operating Permit Renewal

**Source Background and Description**

<b>Source Name:</b>	<b>Country Custom Finish</b>
<b>Source Location:</b>	<b>27781 County Road 32, Elkhart, IN 46550</b>
<b>County:</b>	<b>Elkhart</b>
<b>SIC Code:</b>	<b>2511</b>
<b>Permit Renewal No.:</b>	<b>M039-27345-00604</b>
<b>Permit Reviewer:</b>	<b>Summer Keown</b>

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Country Custom Finish relating to the operation of a wood furniture coating operation.

**History**

On January 8, 2009, Country Custom Finish submitted an application to the OAQ requesting to renew its operating permit. Country Custom Finish was issued MSOP No. M039-19130-00604 on August 26, 2004.

**Permitted Emission Units and Pollution Control Equipment**

- (a) One (1) Spray Gun and Booth, identified as SG1, constructed in 2004, with a maximum capacity of 17.5 parts per hour and exhausting to stack S1.
- (b) One (1) Spray Gun and Booth, identified as SG2, constructed in 2004, with a maximum capacity of 17.5 parts per hour and exhausting to stack S2.
- (c) One (1) Spray Gun and Booth, identified as SG3, constructed in 2004, with a maximum capacity of 17.5 parts per hour and exhausting to stack S3.
- (d) One (1) Spray Gun and Booth, identified as SG4, constructed in 2004, with a maximum capacity of 17.5 parts per hour and exhausting to stack S4.
- (e) One (1) Scuff Sanding Downdraft Table, identified as ST1, constructed in 2004, equipped with an internal dust collection system for particulate control, with a maximum process weight of 583.33 pounds per hour.
- (f) One (1) Scuff Sanding Downdraft Table, identified as ST2, constructed in 2004, equipped with an internal dust collection system for particulate control, with a maximum process weight of 583.33 pounds per hour.
- (g) One (1) Scuff Sanding Downdraft Table, identified as ST3, constructed in 2004, equipped with an internal dust collection system for particulate control, with a maximum process weight of 583.33 pounds per hour.
- (h) One (1) Natural Gas Fired Air Makeup Unit, identified as A1, constructed in 2004, with a maximum capacity of 1.0 MMBtu per hour.

- (i) One (1) Natural Gas Fired Air Makeup Unit, identified as A2, constructed in 2004, with a maximum capacity of 1.0 MMBtu per hour.
- (j) One (1) Propane Gas Fired Air Makeup Unit, identified as A3, constructed in 2004, with a maximum capacity of 0.75 MMBtu per hour.

### Existing Approvals

The source was issued MSOP No. M039-19130-00604 on August 26, 2004.

There have been no other approvals issued to this source.

### Enforcement Issue

There are no enforcement actions pending.

### Emission Calculations

See Appendix A, pages 1 through 6, of this document for detailed emission calculations.

### County Attainment Status

The source is located in Elkhart County.

Pollutant	Designation
SO <sub>2</sub>	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O <sub>3</sub>	Attainment effective July 19, 2007, for the 8-hour ozone standard. <sup>1</sup>
PM <sub>10</sub>	Unclassifiable effective November 15, 1990.
NO <sub>2</sub>	Cannot be classified or better than national standards.
Pb	Not designated.

<sup>1</sup>Attainment effective October 18, 2000, for the 1-hour ozone standard for the South Bend-Elkhart area, including Elkhart County, and is a maintenance area for the 1-hour National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X. The 1-hour standard was revoked effective June 15, 2005.  
Unclassifiable or attainment effective April 5, 2005, for PM<sub>2.5</sub>.

#### (a) Ozone Standards

- (1) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.
- (2) On September 6, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Allen, Clark, Elkhart, Floyd, LaPorte, and St. Joseph as attainment for the 8-hour ozone standard.
- (3) On November 9, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Boone, Clark, Elkhart, Floyd, LaPorte, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan, Shelby, and St. Joseph as attainment for the 8-hour ozone standard.
- (4) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating

to ozone. Elkhart County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (b) **PM<sub>2.5</sub>**  
Elkhart County has been classified as attainment for PM<sub>2.5</sub>. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM<sub>2.5</sub> emissions, and the effective date of these rules was July 15, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM<sub>10</sub> emissions as a surrogate for PM<sub>2.5</sub> emissions until 326 IAC 2-2 is revised.
- (c) **Other Criteria Pollutants**  
Elkhart 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.
- (d) **Fugitive Emissions**  
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are not counted toward the determination of PSD and Emission Offset applicability.

#### **Unrestricted Potential Emissions**

Appendix A of this TSD reflects the unrestricted potential emissions of the source.

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all criteria pollutants is less than 100 tons per year. The source is not subject to the provisions of 326 IAC 2-7. Therefore, the source will be issued an MSOP
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year.
- (c) Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-7, fugitive emissions are not counted toward the determination of Part 70 applicability.

#### **Potential to Emit After Issuance**

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

Process/ Emission Unit	Potential To Emit (tons/year)								Total HAPs
	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	Single HAP	
Natural Gas Space Heating	0.07	0.07	0.07	0.01	0.05	0.74	0.88	0.00	0.00
Propane Space Heating	0.01	0.01	0.01	0.36	0.02	0.07	0.50	0.00	0.00
Scuff Sanding Tables	3.38	3.38	3.38	0.00	0.00	0.00	0.00	0.00	0.00
4 Surface Coating Booths	4.95	4.95	4.95	0.00	28.67	0.00	0.00	6.61 (toluene)	8.91
<b>Total Emissions</b>	<b>8.41</b>	<b>8.41</b>	<b>8.41</b>	<b>0.36</b>	<b>28.74</b>	<b>0.80</b>	<b>1.38</b>	<b>6.61 (toluene)</b>	<b>8.91</b>

- (a) This existing stationary source is not major for PSD because the emissions of each criteria pollutant are less than two hundred fifty (<250) tons per year, and it is not one of the twenty-eight (28) listed source categories.
- (b) Fugitive Emissions  
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are not counted toward the determination of PSD and Emission Offset applicability.

**Federal Rule Applicability**

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit for this source.
- (b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Wood Manufacturing Operations, Subpart JJ (326 IAC 20-14) are not included in the permit for the four (4) surface coating booths, because these units are not located at a source that is major for HAPs.
- (c) The requirements of 40 CFR 63, Subpart QQQQ, NESHAP for Surface Coating of Wood Building Products (40 CFR Part 63.4680 - 63.4781) (326 IAC 20-79), are not included in this permit, since this source is not a major source of HAPs, as defined in 40 CFR 63.2, and does include surface coating of wood building products. This source performs surface coating of wood furniture.
- (d) The requirements of 40 CFR 63, Subpart HHHHHH, NESHAP for Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources (40 CFR Part 63.11169 - 63.11180), are not included in this permit, since this area source does not perform paint stripping using chemical strippers that contain methylene chloride for the removal of dried paint, does not perform spray application of coatings to motor vehicles or mobile equipment, and does not perform spray application of coatings that contain chromium, lead manganese, nickel or cadmium to a plastic and/or metal substrates.
- (e) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this permit renewal.

**State Rule Applicability - Entire Source**

326 IAC 2-6 (Emission Reporting)

This source is located in Elkhart County and it is not required to have an operating permit under 326 IAC 2-7 (Part 70). Therefore, 326 IAC 2-6 does not apply.

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

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

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

### **State Rule Applicability – Surface Coating Booths**

#### 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The operation of the four (4) surface coating booths will emit less than 10 tons per year of a single HAP and less than 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

#### 326 IAC 6-3-2 (Particulate Emission Limitations, Work Practices, and Control Technologies)

Pursuant to 326 IAC 6-3-2(d), surface coating processes shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, subject to the following:

- (a) The source shall operate the control device in accordance with manufacturer's specifications.
- (b) If overspray is visibly detected at the exhaust or accumulates on the ground, the source shall inspect the control device and do either of the following no later than four (4) hours after such observation:
  - (1) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
  - (2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

If overspray is visibly detected the source shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records shall be maintained for five (5) years.

#### 326 IAC 8-2-12 (Surface coating emission limitations: wood furniture and cabinet coating)

The four (4) surface coating booths, identified as SG1, SG2, SG3, and SG4, are not subject to the requirements of 326 IAC 8-2-12 because they each have the potential to emit of less than fifteen (15) pounds per day of VOC.

### **State Rule Applicability – Sanding Tables**

#### 326 IAC 6-3-2 (Particulate Emission Limitations, Work Practices, and Control Technologies)

Pursuant to 326 IAC 6-3-1(b)(14), the three (3) Scuff Sanding operations, identified as ST1, ST2, and ST3, are not subject to this rule because each sanding table has the potential to emit less than 0.551 pounds per hour of particulate matter.

## **Recommendation**

The staff recommends to the Commissioner that the MSOP Renewal No. M039-27345-00604 be approved. This recommendation is based on the following facts and conditions:

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

An application for the purposes of this review was received on January 8, 2009.

## **Conclusion**

The operation of this wood furniture coating operation shall be subject to the conditions of the attached MSOP Renewal No. M039-27345-00604.

Appendix A  
**Emissions Calculations**  
**Summary Emissions**

**Company Name:** Country Custom Finish  
**Address:** 27781 CR 32, Elkhart, IN  
**Permit Number:** M039-27345-00604  
**Reviewer:** Summer Keown  
**Date:** January 14, 2009

**POTENTIAL TO EMIT TONS PER YEAR (BEFORE CONTROLS)**

Emission Units	PM	PM10	PM2.5	SO <sub>2</sub>	NOx	VOC	CO	Highest Single HAP	Total HAPs
Natural Gas Space Heating	0.07	0.07	0.07	0.01	0.88	0.05	0.74	0.00	0.00
Propane Space Heating	0.01	0.01	0.01	0.36	0.50	0.02	0.07	0.00	0.00
Scuff Sanding Tables	3.38	3.38	3.38	0.00	0.00	0.00	0.00	0.00	0.00
4 Surface Coating Booths	4.95	4.95	4.95	0.00	0.00	28.67	0.00	6.61 (toluene)	8.91
<b>TOTAL</b>	<b>8.41</b>	<b>8.41</b>	<b>8.41</b>	<b>0.36</b>	<b>1.38</b>	<b>28.74</b>	<b>0.80</b>	<b>6.61 (toluene)</b>	<b>8.91</b>

**POTENTIAL TO EMIT IN TONS PER YEAR (AFTER CONTROLS)**

Emission Units	PM	PM10	PM2.5	SO <sub>2</sub>	NOx	VOC	CO	Highest Single HAP	Total HAPs
Natural Gas Space Heating	0.07	0.07	0.07	0.01	0.88	0.05	0.74	0.00	0.00
Propane Space Heating	0.01	0.01	0.01	0.36	0.50	0.02	0.07	0.00	0.00
Scuff Sanding Tables	0.17	0.17	0.17	0.00	0.00	0.00	0.00	0.00	0.00
4 Surface Coating Booths	0.10	0.10	0.10	0.00	0.00	28.67	0.00	6.61 (toluene)	8.91
<b>TOTAL</b>	<b>0.351</b>	<b>0.351</b>	<b>0.351</b>	<b>0.36</b>	<b>1.38</b>	<b>28.74</b>	<b>0.80</b>	<b>6.61 (toluene)</b>	<b>8.91</b>

**Appendix A  
Emissions Calculations  
Natural Gas Fired Air Makeup Units (A1 & A2)**

**Company Name:** Country Custom Finish  
**Address:** 27781 CR 32, Elkhart, IN  
**Permit Number:** M039-27345-00604  
**Reviewer:** Summer Keown  
**Date:** January 14, 2009

Heat Input Capacity (MMBtu/hr)

2.000

Potential Throughput (MMCF/yr)

17.52

	Pollutant					
	PM	PM10	SO <sub>2</sub>	NOx	VOC	CO
Emission Factor (lb/MMCF)	7.60	7.60	0.60	100.00	5.50	84.00
Potential To Emit (tons/year)	0.07	0.07	0.01	0.88	0.05	0.74

\*Emission factors are from AP-42 Chapter 1.4 (Natural Gas Combustion), Tables 1.4-1 and 1.4-2

**METHODOLOGY**

PTE (tons/year) = Potential Throughput (MMCF/yr) \* Emission Factor (lb/MMCF) / 2000 lbs/ton

**Appendix A**  
**Emissions Calculations**  
**One (1) Propane Fired Air Makeup Unit**  
**(Identified as A3)**

**Company Name:** Country Custom Finish  
**Address:** 27781 CR 32, Elkhart, IN  
**Permit Number:** M039-27345-00604  
**Reviewer:** Summer Keown  
**Date:** January 14, 2009

Heat Input Capacity (MMBtu/hr) 0.75

	Pollutant					
	PM	PM10	**SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO
*Emission Factor (lb/MMBtu)	0.0044	0.0044	0.1093	0.1530	0.0055	0.0208
Potential To Emit (tons/year)	0.0144	0.0144	0.3590	0.5026	0.0180	0.0682

\*Emission factors are from AP-42 Chapter 1.5 (Liquified Petroleum Gas Combustion), Table 1.5-1 (October 1996)

All factors converted to energy basis (Section 1.5.3.1)

\*\*Sulfur content is 100 gr/100 ft<sup>3</sup>

**METHODOLOGY**

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PTE (tons/year) = Capacity (MMBtu/hr) \* Emission Factor (lb/MMBtu) \* 8760hours/year \* 1ton/2000 lbs

**Appendix A**  
**Emissions Calculations**  
**VOC and PM/PM10 Emissions**  
**From Four (4) Spray Booths (S1, S2, S3, & S4)**

**Company Name:** Country Custom Finish  
**Address:** 27781 CR 32, Elkhart, IN  
**Permit Number:** M039-27345-00604  
**Reviewer:** Summer Keown  
**Date:** January 14, 2009

Material	Density (lb/gal)	Weight % Volatile (H <sub>2</sub> O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Material Usage (Lb/Hr)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	PTE VOC (lbs/hour)	PTE VOC (lbs/day)	PTE VOC (tons/year)	PTE PM/PM10 (tons/year)	**Transfer Efficiency	PTE PM/PM10 (lbs/day)	PTE PM/PM10 (lbs/hour)
Fruitwood - SG1	6.54	98.17%	0.0%	98.2%	0.0%	7.17%	0.01309	17.50	1.50	6.42	6.42	1.4707	35.2976	6.4418	0.0600	50%	0.33	0.0137
E29C0316 Sealer - SG2	7.65	69.31%	0.0%	69.3%	0.0%	23.87%	0.01200	17.50	1.61	5.30	5.30	1.1135	26.7232	4.8770	1.0797	50%	5.92	0.2465
HC 30 Topcoat - SG3	7.96	62.67%	0.0%	62.7%	0.0%	29.53%	0.02400	17.50	3.34	4.99	4.99	2.0952	50.2844	9.1769	2.7332	50%	14.98	0.6240
E29C0316 Sealer - SG4	7.65	69.31%	0.0%	69.3%	0.0%	23.87%	0.01200	17.50	1.61	5.30	5.30	1.1135	26.7232	4.8770	1.0797	50%	5.92	0.2465
Blender 2739	7.02	100.00%	0.0%	100%	0.0%	0.00%	0.00612	17.50	0.75	7.02	7.02	0.7518	18.0442	3.2931	0.0000	100%	0.00	0.0000
										<b>PTE - TPY</b>	<b>TOTAL</b>	<b>6.54</b>	<b>157.07</b>	<b>28.67</b>	<b>4.95</b>			<b>1.13</b>

\*\* Coating applied using Air-Assited Airless guns

**METHODOLOGY**

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) \* Weight % Organics) / (1-Volume % water)  
Pounds of VOC per Gallon Coating = (Density (lb/gal) \* Weight % Organics)  
PTE VOC (pounds/hour) = Pounds of VOC/Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr)  
PTE VOC (pounds/day) = Pounds of VOC/Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (24 hr/day)  
PTE VOC (tons/year) = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (8760 hr/yr) \* (1 ton/2000 lbs)  
PTE PM/PM10 (tons/year) = Max. (units/hour) \* Gal of Mat (gal/unit) \* Density (lbs/gal) \* (1- Weight % Volatile) \* (1-Transfer efficiency) \*8760 hours/year \*1ton/2000 lbs  
PTE PM/PM10 (lbs/hour) = Max. (units/hour) \* Gal of Mat (gal/unit) \* Density (lbs/gal) \* (1- Weight % Volatile) \* (1-Transfer efficiency)  
Acutal Emissions of VOC (lbs/day) = [PTE of VOC or PM (lbs/hour) \* Actual Hours of Operation (2000 hours/year)] / 2,000 (lb/ton)

**Appendix A  
Emissions Calculations  
HAP Emissions  
From Four (4) Spray Booths**

**Company Name:** Country Custom Finish  
**Address:** 27781 CR 32, Elkhart, IN  
**Permit Number:** M039-27345-00604  
**Reviewer:** Summer Keown  
**Date:** January 14, 2009

Material	Density (lb/gal)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Weight % Formaldehyde	Weight % Methanol	Weight % Xylene	Weight % Cumene	Weight % Toluene	Weight % Ethylbenzene		Formaldehyde	Methanol	Xylene	Cumene	Toluene	Ethylbenzene	
											Potential To Emit (tons/year)						
Fruitwood - No HAPS - S1	6.54	0.01309	17.50	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
HC MV Danish Oil - S1 (1)	7.00	0.01309	17.50	0.00%	0.00%	0.00%	0.04%	0.00%	0.01%		0.0000	0.0000	0.0000	0.0028	0.0000	0.0007	
FT-2951 - S1 (2)	7.90	0.01309	17.50	0.00%	0.00%	0.00%	0.00%	13.86%	0.00%		0.0000	0.0000	0.0000	0.0000	1.0986	0.0000	
FG-2873 - S1 (3)	7.06	0.01309	17.50	0.00%	0.00%	4.84%	0.00%	0.00%	0.00%		0.0000	0.0000	0.3428	0.0000	0.0000	0.0000	
E29C3016 Sealer - S2	7.65	0.01200	17.50	0.05%	0.04%	8.11%	0.00%	11.85%	1.22%		0.0035	0.0028	0.5707	0.0000	0.8338	0.0858	
HC 30 Topcoat - S3	7.96	0.02400	17.50	0.05%	0.00%	3.45%	0.00%	13.85%	0.80%		0.0073	0.0000	0.5052	0.0000	2.0281	0.1171	
E29C3016 Sealer - S4	7.65	0.01200	17.50	0.05%	0.04%	8.11%	0.00%	11.85%	1.22%		0.0035	0.0028	0.5707	0.0000	0.8338	0.0858	
Blender 2739	7.02	0.00612	17.50	0.00%	0.00%	0.00%	0.00%	55.00%	0.00%		0.0000	0.0000	0.0000	0.0000	1.8112	0.0000	
										<b>PTE - TPY</b>	<b>TOTAL</b>	<b>0.0144</b>	<b>0.0056</b>	<b>1.9894</b>	<b>0.0028</b>	<b>6.6055</b>	<b>0.2895</b>
										<b>PTE - Lb/Hr</b>	<b>TOTAL</b>	<b>0.0033</b>	<b>0.0013</b>	<b>0.4542</b>	<b>0.0006</b>	<b>1.5081</b>	<b>0.0661</b>

- (1) - Stain with the highest concentration of ethyl benzene and cumene  
(2) - Stain with the highest concentration of toluene  
(3) - Stain with the highest concentration of xylene

**PTE Highest Single HAP (Toluene): 6.606**  
**Total HAPs: 8.907**

**METHODOLOGY**

PTE HAPs (tons/year) = Density (lb/gal) \* Gal of Mat. (gal/unit) \* Maximum (unit/hour) \* Weight % HAP \* 8760 hours/year \* 1 ton/2000 lbs

**Appendix A  
Emissions Calculations  
Woodworking Operations**

**Company Name:** Country Custom Finish  
**Address:** 27781 CR 32, Elkhart, IN  
**Permit Number:** M039-27345-00604  
**Reviewer:** Summer Keown  
**Date:** January 14, 2009

**Scuff Sanding Tables (ST1, ST2, ST3) Emissions**

Process Throughput Weight = 0.875 tons/hr  
Design Maximum Air Flow Rate = 1,500 dscf/min (500 ea)  
Overall Control Efficiency Rating = 95%  
Design Outlet Grain Loading = 0.003 grains per dscf/min of air

**PM and PM10 Emission Rates - After Controls**

Hourly Emission Rate =  $(0.003 \text{ grains/dscf}) \times (1,500 \text{ dscf/min}) \times (1/7,000 \text{ grains/lb}) = 0.0386 \text{ lb/hr}$   
Annual Emission Rate =  $(0.0386 \text{ lb/hr}) \times (8760 \text{ hr/yr}) \times (1 \text{ ton}/2,000 \text{ lb}) = \mathbf{0.17 \text{ tons/yr}}$

**PM and PM10 Emission Rates - Before Controls**

Potential Emissions =  $(\text{After Control Rate (tons/yr)}) / (1 - \text{Control Efficiency})$   
Potential Emissions =  $(0.17 \text{ tons/yr}) / (0.05) = \mathbf{3.38 \text{ tons/yr}}$  or 0.77 lb/hr

Potential Hourly Emissions for Each Sanding Table =  $(0.77 \text{ lb/hr}) / 3 = \mathbf{0.257 \text{ lb/hr}}$

**Allowable Process Emission Rate [326 IAC 6-3-2(e)]**

Allowable Emission Rate =  $4.1 \times \text{Press Weight Rate (tons/hr)}^{0.67} = \text{lbs/hr}$   
Allowable Emission Rate =  $4.1 \times (0.875 \text{ tons/hr})^{0.67} = \mathbf{3.75 \text{ lbs/hr}}$