



Joseph E. Kernan  
Governor

Lori F. Kaplan  
Commissioner

August 26, 2004

100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
www.in.gov/idem

TO: Interested Parties / Applicant

RE: Country Custom Finish / MSOP 039-19130-00604

FROM: Paul Dubenetzky  
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, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures  
FNPER.dot 9/16/03



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**NEW SOURCE CONSTRUCTION PERMIT  
and MINOR SOURCE OPERATING PERMIT  
OFFICE OF AIR QUALITY**

**Country Custom Finish  
27781 County Road 32  
Elkhart, Indiana 46550**

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

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, (326 IAC 2-5.1 if new source), 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 039-19130-00604	
Issued by: Original signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: August 26, 2004 Expiration Date: August 26, 2009

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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.

Authorized Individual: Elvin Nolt - Owner

Source Address: 27781 County Road 32, Elkhart, Indiana 46517

Mailing Address: 68613 County Road 9, Nappanee, Indiana 46550

General Source Phone: 574-773-5914

SIC Code: 2511

County Location: Elkhart

Source Location Status: Nonattainment area for Ozone under the 8 hour standard.

Attainment area for all other criteria pollutants

Source Status: Minor Source Operating Permit

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

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This stationary source is approved to construct and operate the following emissions units and pollution control devices:

- (a) One (1) Spray Gun and Booth identified as SG1 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 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 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 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 with particulate capture, and with a maximum capacity of 17.5 parts per hour.
- (f) One (1) Scuff Sanding Downdraft Table identified as ST2 with a particulate capture, and with a maximum capacity of 17.5 parts per hour.
- (g) One (1) Scuff Sanding Downdraft Table identified as ST3 with particulate capture, and with a maximum capacity of 17.5 parts per hour.
- (h) One (1) Natural Gas Fired Air Makeup Unit identified as A1 with a maximum capacity of 1.0 MMBtu per hour.
- (i) One (1) Natural Gas Fired Air Makeup Unit identified as A2 with a maximum capacity of 1.0 MMBtu per hour.
- (j) One (1) Propane Gas Fired Air Makeup Unit identified as A3 with a maximum capacity of 0.75 MMBtu per hour.

## **SECTION B GENERAL CONDITIONS**

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1.1 AND 40 CFR 52.780, WITH CONDITIONS LISTED BELOW.

### **B.1 Permit No Defense [IC 13]**

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This permit to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

### **B.2 Definitions**

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

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

### **B.4 Revocation of Permits [326 IAC 2-1.1-9(5)]**

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Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

### **B.5 Permit Term and Renewal [326 IAC 2-6.1-7(a)] [326 IAC 2-1.1-9.5]**

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This permit is issued for a fixed term of five (5) 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 of this permit do not affect the expiration date.

The Permittee shall apply for an operation permit renewal at least ninety (90) days prior to the expiration date. If a timely and sufficient permit application for a renewal has been made, this permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

### **B.6 Modification to Permit [326 IAC 2]**

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Notwithstanding the Section B condition entitled "Minor Source Operating Permit", all requirements and conditions of this construction permit shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules).

### **B.7 Minor Source Operating Permit [326 IAC 2-6.1]**

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This document shall also become a minor source operating permit pursuant to 326 IAC 2-6.1 when, prior to start of operation, the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), Permit Administration & Development Section.
  - (1) If the Affidavit of Construction verifies that the facilities covered in this Construction Permit were constructed as proposed in the application, then the facilities may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM.
  - (2) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2-6.1-6 and 326 IAC 2-2 or 326 IAC 2-3 and an Operation Permit Validation Letter is issued.

- (b) If construction is completed in phases; i.e., the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as stack testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.
- (c) Upon receipt of the Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section, the Permittee shall attach it to this document.
- (d) The operation permit will be subject to annual operating permit fees pursuant to 326 IAC 2-1.1-7(Fees).

#### B.8 Phase Construction Time Frame

---

Pursuant to 326 IAC 2-1.1-9(5) (Revocation of Permits), the IDEM may revoke this permit to construct if the:

- (a) Construction of Phase 1 has not begun within eighteen (18) months from the effective date of this permit or if during the construction of Phase 1, work is suspended for a continuous period of one (1) year or more.
- (b) Construction of Phase 2 has not begun within eighteen (18) months after the operation of Phase 1 or if during the construction of Phase 2 work is suspended for a continuous period of one (1) year or more.

The OAQ may extend such time upon satisfactory showing that an extension, formally requested by the Permittee is justified.

#### B.9 BACT Determination for Phase Constructions

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Pursuant to 326 IAC 2-2-3, for phase construction projects, the determination of BACT shall be reviewed and modified as appropriate at the latest reasonable time which occurs no later than eighteen (18) months prior to commencement of construction of each independent phase of the project.

#### B.10 Annual Notification [326 IAC 2-6.1-5(a) (5)]

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- (a) Annual notification shall be submitted to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) Noncompliance with any condition must be specifically identified. If there are any permit conditions or requirements for which the source is not in compliance at any time during the year, the Permittee must provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be, achieved. The notification must be signed by an authorized individual.
- (c) The annual notice shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in the format attached no later than March 1 of each year to:

Compliance Branch, Office of Air Quality  
Indiana Department of Environmental Management  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, IN 46206-6015

- (d) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or

before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

**B.11 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 prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days (this time frame is determined on a case by case basis but no more than ninety (90) days) after issuance of this permit, including the following information on each emissions unit:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

The PMP extension notification does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMP's 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 PMP whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

**B.12 Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]**

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- (a) Permit revisions are governed by the requirements of 326 IAC 2-6.1-6.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

Any such application shall be certified by an "authorized individual" as defined by 326 IAC

2-1.1-1.

- (c) The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]
- (d) No permit amendment or modification is required for the addition, operation or removal of a non-road engine, as defined in 40 CFR 89.2.

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

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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 this title or the conditions of this permit or any operating permit revisions;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any processes, emissions units (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit or any operating permit revisions;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

**B.14 Transfer of Ownership or Operation [326 IAC 2-6.1-6(d) (3)]**

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Pursuant to [326 IAC 2-6.1-6(d) (3)]:

- (a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAQ, Permits Branch, within thirty (30) days of the change.
- (b) The written notification shall be sufficient to transfer the permit to the new owner by a notice-only change pursuant to 326 IAC 2-6.1-6(d)(3).
- (c) IDEM, OAQ, shall issue a revised permit.

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

**B.15 Annual Fee Payment [326 IAC 2-1.1-7]**

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

- (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.

## SECTION C

## SOURCE OPERATION CONDITIONS

Entire Source

### 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 construct and 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 non-overlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

### C.5 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

The Permittee shall comply with the applicable requirements of 326 IAC 14-10, 326 IAC 18, and 40 CFR 61.140.

## Testing Requirements

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

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- (a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval. All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

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

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date.

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ (and local agency) not later than forty-five (45) days after the completion of the testing. An extension may be granted by the IDEM, OAQ, (and local agency), 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.7 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

### C.8 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.9 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11]

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- (a) Whenever a condition in this permit requires the measurement of total static pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (2%) of full scale reading.
- (b) Whenever a condition in this permit requires the measurement of a (temperature or flow rate), the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or

minus two percent ( 2%) of full scale reading.

- (c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.
- (d) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

#### C.10 Compliance Response Plan - Preparation and Implementation

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- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:
  - (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.
  - (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan the Permittee shall amend its Compliance Response Plan to include such response steps taken.
- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
  - (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or
  - (2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.
  - (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.
  - (4) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
  - (1) A false reading occurs due to the malfunction of the monitoring equipment and

prompt action was taken to correct the monitoring equipment.

- (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.
  - (3) An automatic measurement was taken when the process was not operating.
  - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.
- (d) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

#### C.11 Actions Related to Noncompliance Demonstrated by a Stack Test

- (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 emissions unit 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 re-testing in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the re-testing deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to non-compliant stack tests.

The response action documents submitted pursuant to this condition do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1.

### **Record Keeping and Reporting Requirements**

#### C.12 Malfunctions Report [326 IAC 1-6-2]

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

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to 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.13 General Record Keeping Requirements [326 IAC 2-6.1-5]**

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- (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 when operation begins.

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

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

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

- (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, any quarterly or semi-annual report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The report does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.

## SECTION D.1 EMISSIONS UNITS OPERATION CONDITIONS

### Emissions Unit Description:

- (a) One (1) Spray Gun and Booth identified as SG1 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 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 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 with a maximum capacity of 17.5 parts per hour and exhausting to stack S4.

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

### Emission Limitations and Standards

#### D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-12]

Pursuant to 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating), the surface coating applied to wood furniture and cabinets shall utilize one of the following application methods:

- Airless Spray Application
- Air Assisted Airless Spray Application
- Electrostatic Spray Application
- Electrostatic Bell or Disc Application
- Heated Airless Spray Application
- Roller Coating
- Brush or Wipe Application
- Dip-and-Drain Application

High Volume Low Pressure (HVLP) Spray Application is an accepted alternative method of application for Air Assisted Airless Spray Application. HVLP spray is the technology used to apply coating to substrate by means of coating application equipment which operates between one-tenth (0.1) and ten (10) pounds per square inch gauge (psig) air pressure measured dynamically at the center of the air cap and at the air horns of the spray system.

#### D.1.2 Particulate [326 IAC 6-3-2(d)]

- (a) Particulate from the surface coating processes shall be controlled by a dry particulate filter and the Permittee 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 Permittee 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.

**D.1.3 Particulate Matter (PM), Additional Operating Requirements**

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The dry filters for PM control shall be in operation at all times when the Spray Gun and Booths are in operation.

**D.1.4 Preventative Maintenance Plan [326 IAC1-6-3]**

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

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

**D.1.5 Record Keeping Requirements**

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There are no recording keeping or reporting requirements for this section.

## SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (e) One (1) Scuff Sanding Downdraft Table identified as ST1 with particulate capture, and with a maximum capacity of 17.5 parts per hour.
- (f) One (1) Scuff Sanding Downdraft Table identified as ST2 with particulate capture, and with a maximum capacity of 17.5 parts per hour.
- (g) One (1) Scuff Sanding Downdraft Table identified as ST3 with particulate capture, and with a maximum capacity of 17.5 parts per hour.

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

### Emission Limitations and Standards

#### D.2.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from each Scuff Sanding operation shall not exceed 1.80 pounds per hour when operating at a process weight rate of 583.33 pounds per hour.

The pounds per hour limitation was calculated with the following equation:

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

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

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

#### D.2.2 Preventive Maintenance Plan [326 IAC 1-6-3]

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

### Compliance Determination Requirements

#### D.2.3 Particulate Control

In order to comply with condition D.2.1, the dry air filters for particulate control shall be in operation and control emissions from the Scuff Sanding Downdraft Tables at all times the Tables are in operation.

### **Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]**

#### **D.2.4 Monitoring [326 IAC 2-6.1-5 (a)(2)]**

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Daily inspections shall be performed to verify the placement and integrity of the dry filters. To monitor the performance of the dry filters, weekly observations shall be made of the particle loading of the filters. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

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

#### **D.2.5 Record Keeping Requirements**

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- (a) To document compliance with Condition D.2.4, the Permittee shall maintain records of the results of the inspections required under Condition D.2.4
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### **D.2.6 Reporting Requirements**

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There are no reporting requirements for this section.

### SECTION D.3

### EMISSIONS UNIT OPERATION CONDITIONS

#### Emission Units Description

- (h) One (1) Natural Gas-Fired Air Makeup Unit identified as A1 with a maximum capacity of 1.0 MMBtu per hour.
- (i) One (1) Natural Gas-Fired Air Makeup Unit identified as A2 with a maximum capacity of 1.0 MMBtu per hour.
- (j) One (1) Propane Gas-Fired Air Makeup Unit identified as A3 with a maximum capacity of 0.75 MMBtu per hour.

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

#### Emission Limitations and Standards

There are no rule requirements for the equipment in this section.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE 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>	<b>Country Custom Finish</b>
<b>Address:</b>	<b>27781 County Road 32</b>
<b>City:</b>	<b>Elkhart, Indiana 46517</b>
<b>Phone #:</b>	<b>574-773-5914</b>
<b>MSOP #:</b>	<b>039-19130-00604</b>

I hereby certify that source is  still in operation.  
 no longer in operation.

I hereby certify that source is  in compliance with the requirements of MSOP 039-19130-00604.  
 not in compliance with the requirements of MSOP 039-19130-00604.

<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 - 317 233-5967**

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

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

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

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

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

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

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

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

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

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

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

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

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL\* SERVICES: \_\_\_\_\_

CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: \_\_\_\_\_

CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: \_\_\_\_\_

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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Mail to: Permit Administration & Development Section  
Office of Air Quality  
100 North Senate Avenue  
P. O. Box 6015  
Indianapolis, Indiana 46206 6015

Country Custom Finish  
27781 County Road 32  
Elkhart, Indiana 46550

### Affidavit of Construction

I, \_\_\_\_\_, being duly sworn upon my oath, depose and say:  
(Name of the Authorized Representative)

1. I live in \_\_\_\_\_ County, Indiana and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.
2. I hold the position of \_\_\_\_\_ for \_\_\_\_\_.  
(Title) (Company Name)
3. By virtue of my position with \_\_\_\_\_, I have personal  
(Company Name)  
knowledge of the representations contained in this affidavit and am authorized to make these representations on behalf of \_\_\_\_\_.  
(Company Name)
4. I hereby certify that Country Custom Finish, 27781 County Road 32, Elkhart, Indiana, 46550, completed construction of the facility on \_\_\_\_\_ in conformity with the requirements and intent of the construction permit application received by the Office of Air Quality on May 6, 2004 and as permitted pursuant to **Minor Source Operating Permit No. CP-039-19130 Plant ID No. 039-00604** issued on \_\_\_\_\_.
5. Additional (?operations/facilities) were constructed/substituted as described in the attachment to this document and were not made in accordance with the construction permit. (Delete this statement if it does not apply.)

Further Affiant said not.

I affirm under penalties of perjury that the representations contained in this affidavit are true, to the best of my information and belief.

Signature

Date

STATE OF INDIANA)  
)SS

COUNTY OF \_\_\_\_\_ )

Subscribed and sworn to me, a notary public in and for \_\_\_\_\_ County and State of  
Indiana on this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_.

My Commission expires:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name (typed or printed)

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

Technical Support Document (TSD) for a New Source Construction  
and Minor Source Operating Permit

**Source Background and Description**

Source Name:	Country Custom Finish
Source Location:	27781 County Road 32, Elkhart, IN 46517
County:	Elkhart
SIC Code:	2511
Operation Permit No.:	039-19130-00604
Permit Reviewer:	Walter Habeeb

The Office of Air Quality (OAQ) has reviewed an application from Country Custom Finish relating to the construction and operation of wood furniture coating operation.

**Permitted Emission Units and Pollution Control Equipment**

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

- (a) One (1) Spray Gun and Booth identified as SG1 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 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 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 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 with particulate capture, and with a maximum capacity of 17.5 parts per hour.
- (f) One (1) Scuff Sanding Downdraft Table identified as ST2 with particulate capture, and with a maximum capacity of 17.5 parts per hour.
- (g) One (1) Scuff Sanding Downdraft Table identified as ST3 with particulate capture and with a maximum capacity of 17.5 parts per hour.
- (h) One (1) Natural Gas Fired Air Makeup Unit identified as A1 with a maximum capacity of 1.0 MMBtu per hour.
- (i) One (1) Natural Gas Fired Air Makeup Unit identified as A2 with a maximum capacity of 1.0 MMBtu per hour.
- (j) One (1) Propane Gas Fired Air Makeup Unit identified as A3 with a maximum capacity of 0.75 MMBtu per hour.

### Existing Approvals

This is a new source.

### Enforcement Issue

There are no enforcement actions pending.

### Stack Summary

Stack ID	Operation	Height (ft)	Diameter (ft)	Flow Rate (acfm)	Temperature (°F)
S1	SG1	18	24	7,000	Ambient
S2	SG2	18	24	8,000	Ambient
S3	SG3	18	24	5,000	Ambient
S4	SG4	18	24	8,000	Ambient

### Recommendation

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

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

A complete application for the purposes of this review was received on May 6, 2004 with additional information received on May 20, 2004.

### Emission Calculations

See Appendix A of this document for detailed emission calculations (pages 1 through 6)

### Potential to Emit of the Source Before Controls

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

Pollutant	Potential to Emit (tons/yr)
PM	8.41
PM-10	8.41
SO <sub>2</sub>	0.36
VOC	28.7
CO	0.80
NO <sub>x</sub>	1.38

HAPs	Potential to Emit (tons/yr)
Toluene	6.61
Others	2.96
Total	9.57

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of pollutants are less than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. A MSOP will be issued.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and/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) Fugitive Emissions  
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

**County Attainment Status**

The source is located in Elkhart County.

Pollutant	Status
PM-10	Attainment
SO <sub>2</sub>	Attainment
NO <sub>2</sub>	Attainment
Ozone	Non-attainment *
CO	Attainment
Lead	Attainment

\* effective June 15, 2004

- (a) Volatile organic compounds (VOC) and Nitrogen Oxide (NOx) are precursors for the formation of ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Elkhart County has been designated as nonattainment for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3. See the State Rule Applicability for the source section.
- (b) Fugitive Emissions  
 Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 or 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

**Source Status**

New Source PSD Definition (emissions after controls, based on 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/yr)
PM	0.351
PM-10	0.351
SO <sub>2</sub>	0.36
VOC	28.7
CO	0.80
NO <sub>x</sub>	1.38
Single HAP	6.61
Combination HAPs	9.57

- (a) This new source is not a major stationary source because no attainment pollutant is emitted at a rate of 250 tons per year or greater, no nonattainment pollutant is emitted at a rate of 100 tons per year or greater, and it is not in one of the 28 listed source categories. Therefore, pursuant to 326 IAC 2-2 and 2-3, the PSD and Emission Offset requirements do not apply.

### Part 70 Permit Determination

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

This new source is not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

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

This is the first air approval issued to this source.

### Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) applicable to this source.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP)(326 IAC 14, 20 and 40 CFR Part 61, 63) applicable to this source because this source is not a major source of hazardous air pollutant (HAP) emissions (i.e., the source does not have the potential to emit ten (10) tons per year or greater of a single HAP or twenty-five (25) tons per year or greater of a combination of HAP's.

### State Rule Applicability – Entire Source

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

This source emits less than 5 tons per year of lead, is not located in Lake or Porter counties and does not qualify as a Title V permit. Therefore this source is not subject to 326 IAC 2-6 (Emission Reporting).

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

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

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

Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

#### **326 IAC 2-4.1 Hazardous Air Pollutants**

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

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

Particulate from the surface coating processes shall be controlled by a dry particulate filter control device, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

If overspray is visibly detected at the exhaust or accumulates on the ground, the Permittee shall inspect the control device and do either of the following no later than four (4) hours after such observation:

Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

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.

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

Pursuant to 326 IAC 6-3-2 the particulate from the three (3) Scuff Sanding operations shall be limited by the following:

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

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

The dry cartridge filters shall be in operation at all times the Scuff Sanding is in operation, in order to comply with this limit.

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

Pursuant to 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating), the surface coating applied to wood furniture and cabinets at each of the three (3) booths (SG1, SG2, and SG3) shall utilize one of the following application methods:

- Airless Spray Application
- Air Assisted Airless Spray Application
- Electrostatic Spray Application
- Electrostatic Bell or Disc Application
- Heated Airless Spray Application
- Roller Coating

Brush or Wipe Application  
Dip-and-Drain Application

### **Conclusion**

The construction and operation of this wood furniture coating operation shall be subject to the conditions of the New Source Construction and Minor Source Operating Permit 039-19130-00604.

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

**Company Name:** Country Custom Finish  
**Address:** 27781 CR 32, Elkhart, IN  
**Permit:** 039-19130-00604

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

Emission Units	PM	PM10	SO <sub>2</sub>	NOx	VOC	CO	* Highest Single HAP	Combined HAP
Natural Gas Space Heating	0.0666	0.0666	0.0053	0.8760	0.0482	0.7358	0.00	0.00
Propane Space Heating	0.0144	0.0144	0.3590	0.5026	0.0180	0.0682	0.00	0.00
Scuff Sanding Tables	3.38	3.38	0.00	0.00	0.00	0.00	0.00	0.00
4 Surface Coating Booths	4.95	4.95	0.00	0.00	28.7	0.00	6.61	9.57
<b>TOTAL</b>	<b>8.41</b>	<b>8.41</b>	<b>0.36</b>	<b>1.38</b>	<b>28.7</b>	<b>0.80</b>	<b>6.61</b>	<b>9.57</b>

\* Toluene

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

Emission Units	PM	PM10	SO <sub>2</sub>	NOx	VOC	CO	* Highest Single HAP	Combined HAP
Natural Gas Space Heating	0.0666	0.0666	0.0053	0.8760	0.0482	0.7358	0.00	0.00
Propane Space Heating	0.0144	0.0144	0.3590	0.5026	0.0180	0.0682	0.00	0.00
Scuff Sanding Tables	0.17	0.17	0.00	0.00	0.00	0.00	0.00	0.00
4 Surface Coating Booths	0.10	0.10	0.00	0.00	28.7	0.00	6.61	9.57
<b>TOTAL</b>	<b>0.351</b>	<b>0.351</b>	<b>0.36</b>	<b>1.38</b>	<b>28.7</b>	<b>0.80</b>	<b>6.61</b>	<b>9.57</b>

Appendix A  
**Emissions Calculations**  
**Natural Gas Fired Air Makeup Units (A1 & A2)**  
**1-03-006-03**

**Company Name:** Country Custom Finish  
**Address:** 27781 CR 32, Elkhart, IN  
**Permit:** 039-19130-00604

Heat Input Capacity (MMBtu/hr)

2.000

Potential Throughput (MMCF/yr)

17.52

	Pollutant					
	PM	PM10	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO
Emission Factor (lb/MMCF)	7.6000	7.6000	0.6000	100.0000	5.5000	84.0000
Potential To Emit (tons/year)	0.067	0.067	0.005	0.88	0.048	0.74

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

**METHODOLOGY**

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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)**  
**SCC 1-03-010-02**

**Company Name:** Country Custom Finish  
**Address:** 27781 CR 32, Elkhart, IN  
**Permit:** 039-19130-00604

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 ft3

**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:** 039-19103-00604

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/hour)
Fruitwood - S1	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%	0.0137
E29C0316 Sealer - S2	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%	0.2465
HC 30 Topcoat - S3	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%	0.6240
E29C0316 Sealer - S2	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%	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%	0.0000
										<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>
										<b>ACTUALS</b>	<b>TOTAL</b>	<b>6.54</b>	<b>52.36</b>	<b>6.54</b>	<b>1.13</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: 039-19130-00604**

Material	Density (lb/gal)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Weight % Formaldehyde	Weight % Methanol	Weight % Xylene	Weight % Cumene	Weight % Toluene	Weight % Ethylbenzene	Weight % MEK	Formaldehyde	Methanol	Xylene	Cumene	Toluene	Ethylbenzene	MEK	
											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%	0.00%	0.0000	0.0000	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%	0.00%	0.0000	0.0000	0.0000	0.0028	0.0000	0.0007	0.0000	0.0000
FT-2951 - S1 (2)	7.90	0.01309	17.50	0.00%	0.00%	0.00%	0.00%	13.86%	0.00%	0.00%	0.0000	0.0000	0.0000	0.0000	1.0986	0.0000	0.0000	0.0000
FG-2873 - S1 (3)	7.06	0.01309	17.50	0.00%	0.00%	4.84%	0.00%	0.00%	0.00%	0.00%	0.0000	0.0000	0.3428	0.0000	0.0000	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%	0.00%	0.0035	0.0028	0.5707	0.0000	0.8338	0.0858	0.0000	0.0000
HC 30 Topcoat - S3	7.96	0.02400	17.50	0.05%	0.00%	3.45%	0.00%	13.85%	0.80%	0.00%	0.0073	0.0000	0.5052	0.0000	2.0281	0.1171	0.0000	0.0000
E29C3016 Sealer - S4	7.65	0.01200	17.50	0.05%	0.04%	8.11%	0.00%	11.85%	1.22%	0.00%	0.0035	0.0028	0.5707	0.0000	0.8338	0.0858	0.0000	0.0000
Blender 2739	7.02	0.00612	17.50	0.00%	0.00%	0.00%	0.00%	55.00%	0.00%	20.00%	0.0000	0.0000	0.0000	0.0000	1.8112	0.0000	0.6586	0.6586
<b>PTE - TPY 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>0.6586</b>	
<b>PTE - Lb/Hr 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>	<b>0.1504</b>	
<b>ACT - TPY 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>	<b>0.1504</b>	
<b>PTE Highest Single HAP (Toluene):</b>											<b>6.606</b>							
<b>Total HAPs:</b>											<b>9.566</b>							
<b>ACT Highest Single HAP (Toluene):</b>											<b>1.508</b>							
<b>Total HAPs:</b>											<b>2.184</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

**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  
Company Name: Country Custom Finish  
Address: 27781 CR 32, Elkhart, IN  
Permit: 039-19130-00604

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

Process Throughput Weight = 0.875 tons/hr  
Design Maximum Air Flow Rate = 1,500 dscf/min (500ea)  
Overall Control Efficiency Rating = 95.00%  
Design Outlet Grain Loading = 0.003 grains per dscf/min of air

**PM & PM<sub>10</sub> Emission Rate – After Controls**

Hourly Emission Rate = (0.003 grains/dscf) x (1,500 dscf/min) x (1/7,000 grains/lb) = 0.0386 lb/hr  
Annual Emission Rate = (0.0386 lb/hr) x (8769 hr/yr) x (1 ton/2,000 lb) = 0.17 tons/yr

**PM & PM<sub>10</sub> Emission Rate – Before Controls**

Potential Emissions = After Control Rate (tons/yr) / (1- Control Efficiency)  
Potential Emissions = (0.17 tons/yr) / (0.05) = 3.38 tons/yr or 0.77 lb/hr

**Allowable Process Emission Rate**

Allowable Emission Rate = 4.1 x Process Rate (tons/hr) ^ 0.67 = lb/hr  
Allowable Emission Rate = 4.1 x (0.875 tons/hr) ^ 0.67 = 3.75 lb/hr