



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

TO: Interested Parties / Applicant

DATE: August 20, 2012

RE: MasterBrand Cabinets, Inc., Plant 5/037-31721-00111

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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New Source Review and Minor Source Operating Permit OFFICE OF AIR QUALITY

**MasterBrand Cabinets, Inc., Plant 5
11th Street and Geiger Street
Huntingburg, Indiana 47542**

(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.: M037-31721-00111	
Issued by:  Nathan C. Bell, Section Chief Permits Branch Office of Air Quality	Issuance Date: August 20, 2012 Expiration Date: August 20, 2017

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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)]

The Permittee owns and operates a stationary wood cabinet manufacturing facility.

Source Address:	11th Street and Geiger Street, Huntingburg, Indiana 47542
General Source Phone Number:	(812) 482-2527
SIC Code:	2434 (Wood Kitchen Cabinets)
County Location:	Dubois
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

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

- (a) One (1) wood cabinet manufacturing facility, identified as WW-1, constructed in 1986, with a maximum throughput capacity of 74,081 square feet per hour, equipped with four (4) integral baghouses for particulate control (BH-1, BH-2, BH-3, and BH-4), exhausting to stacks W-1, W-2, W-3, and W-4, respectively. Baghouse BH-4 was replaced in 2002.
- (b) One (1) hot melt coater operation, identified as HMC-1, constructed in 1997, with a nominal rated capacity of 265.5 pounds of adhesive per hour.
- (c) One (1) hot melt coater operation, identified as HMC-2, approved for construction in 2012, with a nominal rated capacity of 476.80 pounds of adhesive per hour.
- (d) Edge banding operations, comprised of units constructed between 1990 and 2010, with a nominal rated capacity of 28.6 pounds of adhesive per hour.
- (e) Veneer room roll coater operation, constructed in 1994, with a nominal rated capacity of 25 pounds of adhesive per hour.
- (f) One (1) cold cleaner degreaser, constructed prior to 2002, with a nominal rated capacity of 0.004 gallons per hour.
- (g) Natural gas-fired combustion sources each with heat input equal to or less than ten million (10,000,000) Btu per hour:
 - (1) One (1) natural gas-fired boiler, constructed in 1996, with a maximum heat input capacity of 0.645 MMBtu per hour, identified as BLR-1;
 - (2) One (1) natural gas-fired boiler, constructed in 1994, with a maximum heat input capacity of 1.357 MMBtu per hour, identified as BLR-2; and

- (3) One (1) natural gas-fired boiler, approved for construction in 2012, with a maximum heat input capacity of 0.645 MMBtu per hour, identified as BLR-3.
- (4) Natural gas-fired space heaters and hot water heater with a combined maximum heat input capacity of 2.930 million BTU per hour; and
- (5) Natural gas-fired air make-up units with a combined maximum heat input capacity of 14.486 million BTU per hour.

SECTION B GENERAL CONDITIONS

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

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

B.2 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, M037-31721-00111, 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, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

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

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

B.4 Enforceability

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

B.5 Severability

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

B.6 Property Rights or Exclusive Privilege

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

B.7 Duty to Provide Information

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of 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 Annual Notification [326 IAC 2-6.1-5(a)(5)]

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) 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, Indiana 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.9 Preventive Maintenance Plan [326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

The Permittee shall implement the PMPs.

- (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.
- (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.10 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to M037-31721-00111 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.11 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

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

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and 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 an affirmation that the statements in the application are true and complete 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, pursuant to 326 IAC 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.13 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

- (c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.14 Source Modification Requirement

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

B.15 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]

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.16 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

- (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 an affirmation that the statements in the application are true and complete 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.17 Annual Fee Payment [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees due no later than 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.18 Credible Evidence [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

- (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

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

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

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

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

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

All required notifications shall be submitted to:

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.

- (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]

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

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

no later than thirty-five (35) days prior to the intended test date.
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.
- (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]

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]

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 Instrument Specifications [326 IAC 2-1.1-11]

- (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.12 Response to Excursions or Exceedances

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

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

C.13 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 submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline

- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

C.14 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.15 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, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.16 General Reporting Requirements [326 IAC 2-1.1-11] [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) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. 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) wood cabinet manufacturing facility, identified as WW-1, constructed in 1986, with a maximum throughput capacity of 74,081 square feet per hour, equipped with four (4) integral baghouses for particulate control (BH-1, BH-2, BH-3, and BH-4), exhausting to stacks W-1, W-2, W-3, and W-4, respectively. Baghouse BH-4 was replaced in 2002.

(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 Prevention of Significant Deterioration [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the Permittee shall comply with the following:

- (a) PM, PM10 and PM2.5 emissions (after control) from Baghouse BH-1 controlling particulate emissions from the wood cabinet manufacturing facility (WW-1) shall each not exceed 5.14 pounds per hour.
- (b) PM, PM10 and PM2.5 emissions (after control) from Baghouse BH-2 controlling particulate emissions from the wood cabinet manufacturing facility (WW-1) shall each not exceed 5.14 pounds per hour.
- (c) PM, PM10 and PM2.5 emissions (after control) from Baghouse BH-3 controlling particulate emissions from the wood cabinet manufacturing facility (WW-1) shall each not exceed 5.14 pounds per hour.
- (d) PM, PM10 and PM2.5 emissions (after control) from Baghouse BH-4 controlling particulate emissions from the wood cabinet manufacturing facility (WW-1) shall each not exceed 5.14 pounds per hour.

Compliance with this limit, combined with the potential to emit PM, PM10 and PM2.5 from all other emission units at this source, shall limit the source-wide potential to emit of PM, PM10, and PM2.5 to less than 250 tons per twelve (12) consecutive month period, each, and shall render 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

D.1.2 Particulate Emission Limitations [326 IAC 6.5]

Pursuant to 326 IAC 6.5-1-2, the particulate matter emissions from the woodworking cabinet manufacturing facility after baghouse control (BH-1, BH-2, BH-3, and BH-4) shall not exceed three-hundreds (0.03) grain per dry standard cubic foot (dscf).

The baghouses, identified as BH-1, BH-2, BH-3, and BH-4, are considered to be integral to the process, and shall be in operation at all times the woodworking cabinet manufacturing facility is in operation, in order to comply with this limit.

Compliance Determination Requirements

D.1.3 Particulate Control

- (a) The baghouses, identified as BH-1, BH-2, BH-3 and BH-4, for particulate control shall be in operation and control emissions from the woodworking cabinet manufacturing facility at all times that the woodworking facility is in operation.

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

Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

D.1.4 Baghouse Inspections

An inspection shall be performed each calendar quarter of each of the four (4) integral baghouses, identified as BH-1, BH-2, BH-3, and BH-4, associated with the one (1) wood cabinet manufacturing facility, identified as WW-1, when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be replaced

D.1.5 Broken or Failed Bag Detection

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

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

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

D.1.6 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.4, the Permittee shall maintain records of the results of the inspections required under Condition D.1.4.
- (b) Section C - General Record Keeping Requirements, of this permit contains the Permittee's obligations with regard to the records required by this condition.

SECTION D.2

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (b) One (1) hot melt coater operation, identified as HMC-1, constructed in 1997, with a nominal rated capacity of 265.5 pounds of adhesive per hour.
- (c) One (1) hot melt coater operation, identified as HMC-2, approved for construction in 2012, with a nominal rated capacity of 476.80 pounds of adhesive per hour.

(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.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-12]

Pursuant to 326 IAC 8-2-12, the surface coating applied to wood furnishings, including cabinets, utilizing the hot melt coaters HMC-1 and HMC-2, shall utilize one (1) or more of the following application systems:

- 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.

SECTION D.3

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (f) One (1) cold cleaner degreaser, constructed prior to 2002, with a nominal rated capacity of 0.004 gallons per hour.

(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.3.1 Cold Cleaner Operation [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2, the owner or operator of the cold cleaning facility shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operating requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.3.2 Cold Cleaner Operation and Control [326 IAC 8-3-5]

Pursuant to 326 IAC 8-3-5(a), the owner or operator of cold cleaner degreaser facilities shall ensure that the following control equipment requirements are met:

- (a) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (1) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
 - (2) The solvent is agitated; or
 - (3) The solvent is heated.
- (b) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
- (c) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

- (d) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
- (e) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (1) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (2) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (3) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S EPA as a SIP revision.

Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of cold cleaning facilities shall ensure that the following operating requirements are met:

- (a) Close the cover whenever articles are not being handled in the degreaser.
- (b) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
- (c) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

SECTION D.4

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (g) Natural gas-fired combustion sources each with heat input equal to or less than ten million (10,000,000) Btu per hour:
- (1) One (1) natural gas-fired boiler, constructed in 1996, with a maximum heat input capacity of 0.645 MMBtu per hour, identified as BLR-1;
 - (2) One (1) natural gas-fired boiler, constructed in 1994, with a maximum heat input capacity of 1.357 MMBtu per hour, identified as BLR-2; and
 - (3) One (1) natural gas-fired boiler, approved for construction in 2012, with a maximum heat input capacity of 0.645 MMBtu per hour, identified as BLR-3.

(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.4.1 Particulate Emission Limitations [326 IAC 6.5]

Pursuant to 326 IAC 6.5-1-2(b)(3), the particulate matter (PM) emissions from the three (3) natural gas-fired boilers, identified as BLR-1, BLR-2 and BLR-3, shall each not be greater than one-hundredth (0.01) grain per dry standard cubic foot (dscf).

**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).

Company Name:	MasterBrand Cabinets, Inc., Plant 5
Address:	11th Street and Geiger Street
City:	Huntingburg, Indiana 47542
Phone #:	(812) 482-2527
MSOP #:	M037-31721-00111

I hereby certify that MasterBrand Cabinets, Inc., Plant 5 is still in operation.
 no longer in operation.
I hereby certify that MasterBrand Cabinets, Inc., Plant 5 is in compliance with the requirements of MSOP M037-31721-00111.
 not in compliance with the requirements of MSOP M037-31721-00111.

Authorized Individual (typed):
Title:
Signature:
Date:

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

Noncompliance:

MALFUNCTION REPORT

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

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for a Registration Transitioning to a Minor Source Operating Permit (MSOP) with New Source Review (NSR)

Source Description and Location

Source Name:	MasterBrand Cabinets, Inc., Plant 5
Source Location:	11th Street and Geiger Street, Huntingburg, IN 47542
County:	Dubois
SIC Code:	2434 (Wood Kitchen Cabinets)
Operation Permit No.:	M037-31721-00111
Permit Reviewer:	Summer Keown

On April 10, 2012, the Office of Air Quality (OAQ) received an application from MasterBrand Cabinets, Inc., Plant 5 related to the construction and operation of new emission units at an existing stationary wood cabinet manufacturing facility and transition from a Registration to a MSOP with New Source Review (NSR).

Existing Approvals

The source has been operating under Registration No. R037-26637-00111, issued on August 14, 2008.

Due to this application, the source is transitioning from a Registration to a MSOP.

County Attainment Status

The source is located in Dubois County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment effective June 15, 2004, for the 8-hour standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective October 27, 2011, for PM _{2.5} .	

- (a) **Ozone Standards**
 Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Dubois County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM_{2.5}**
 Dubois County has been classified as attainment for PM_{2.5}. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions. These rules became effective on July 15, 2008. On May 4, 2011 the air pollution

control board issued an emergency rule establishing the direct PM_{2.5} significant level at ten (10) tons per year. This rule became effective, June 28, 2011. On November 2, 2011, the air pollution control board passed the Southwest Indiana PM_{2.5} Redesignation emergency rule to redesignate to attainment Dubois County, Montgomery Township in Gibson County, Washington Township in Pike County, Ohio Township in Spencer County, Vanderburgh County and Warrick County. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

- (c) Other Criteria Pollutants
Dubois County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

- (a) The fugitive emissions of criteria pollutants and hazardous air pollutants are counted toward the determination of 326 IAC 2-6.1 (Minor Source Operating Permits) applicability.
- (b) Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Background and Description of Permitted Emission Units and New Source Construction

The Office of Air Quality (OAQ) has reviewed an application, submitted by MasterBrand Cabinets, Inc., Plant 5 on April 10, 2012, relating to the construction of a new hot melt coater and the transition of from a Registration to a Minor Source Operating Permit (MSOP) with New Source Review (NSR).

The source consists of the following existing and permitted emission units:

- (a) One (1) wood cabinet manufacturing facility, identified as WW-1, constructed in 1986, with a maximum throughput capacity of 74,081 square feet per hour, equipped with four (4) integral baghouses for particulate control (BH-1, BH-2, BH-3, and BH-4), exhausting to stacks W-1, W-2, W-3, and W-4, respectively. Baghouse BH-4 was replaced in 2002.
- (b) Natural gas-fired combustion sources each with heat input equal to or less than ten million (10,000,000) Btu per hour:
- (1) One (1) natural gas-fired boiler, constructed in 1996, with a maximum heat input capacity of 0.645 MMBtu per hour, identified as BLR-1;
 - (2) One (1) natural gas-fired boiler, constructed in 1994, with a maximum heat input capacity of 1.357 MMBtu per hour, identified as BLR-2; and
 - (3) Natural gas-fired space heaters and hot water heater with a combined maximum heat input capacity of 2.930 million BTU per hour; and
 - (4) Natural gas-fired air make-up units with a combined maximum heat input capacity of 14.486 million BTU per hour.
- (c) One (1) hot melt coater operation, identified as HMC-1, constructed in 1997, with a nominal rated capacity of 265.5 pounds of adhesive per hour.

- (d) Edge banding operations, comprised of units constructed between 1990 and 2010, with a nominal rated capacity of 28.6 pounds of adhesive per hour.
- (e) Veneer room roll coater operation, constructed in 1994, with a nominal rated capacity of 25 pounds of adhesive per hour.
- (f) One (1) cold cleaner degreaser, constructed prior to 2002, with a nominal rated capacity of 0.004 gallons per hour.

The following is a list of the new emission units:

- (g) One (1) hot melt coater operation. identified as HMC-2, approved for construction in 2012, with a nominal rated capacity of 476.80 pounds of adhesive per hour.
- (h) One (1) natural gas-fired boiler, approved for construction in 2012, with a maximum heat input capacity of 0.645 MMBtu per hour, identified as BLR-3.

"Integral Part of the Process" Determination

In October 1993 a Final Order Granting Summary Judgement was signed by Administrative Law Judge ("ALJ") Garrettson resolving an appeal filed by Kimball Hospitality Furniture (Cause Nos. 92-A-J-730 and 92-A-J-833) related to the method by which IDEM calculated potential emissions from woodworking operations. In his findings, the ALJ determined that particulate controls were necessary for the facility to produce its normal product and are integral to the normal operation of the facility, and therefore, potential emissions should be calculated after controls. Based on this ruling, potential emissions for particulate matter from the woodworking operations were calculated after consideration of the controls for purposes of determining permit level. However, for purposes of determining the applicability of Prevention of Significant Deterioration (PSD) and 326 IAC 6.5 (Particulate Matter Limitations), potential particulate matter emissions from the woodworking operations were calculated before consideration of the baghouse controls.

Particulate from the woodworking operations shall be controlled by the associated baghouses at all times the woodworking operations are in operation.

Enforcement Issues

There are no pending enforcement actions related to this source.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – MSOP

The following table reflects the unlimited potential to emit (PTE) of the entire source after integral baghouse controls for the woodworking operations. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	7.57
PM10 ⁽¹⁾	8.07
PM2.5	8.07
SO ₂	0.05
NO _x	8.79

VOC	27.61
CO	7.38
GHGs as CO ₂ e	10,609

(1) Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".

HAPs	Potential To Emit (tons/year)
formaldehyde	0.33
hexane	0.16
TOTAL HAPs	0.49

- (a) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of VOC is less than one hundred (100) tons per year, but greater than or equal to twenty-five (25) tons per year. The PTE of all other regulated criteria pollutants are less than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. A Minor Source Operating Permit (MSOP) will be issued.
- (b) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of any single HAP is less than ten (10) tons per year and the PTE of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.
- (c) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) greenhouse gases (GHGs) is less than the Title V subject to regulation threshold of one hundred thousand (100,000) tons of CO₂ equivalent emissions (CO₂e) per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7.

PTE of the Entire Source After Issuance of the MSOP

The table below summarizes the potential to emit of the entire source after issuance of this MSOP, reflecting all limits, of the emission units.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of MSOP (tons/year)									
	PM	PM10*	PM2.5	SO ₂	NOx	VOC	CO	GHGs as CO ₂ e**	Total HAPs	Worst Single HAP
Woodworking	<90.05	<90.05	<90.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boiler BLR-1	0.01	0.02	0.02	negl.	0.28	0.02	0.24	341	0.01	0.01 (hexane)
Boiler BLR-2	0.01	0.05	0.05	negl.	0.59	0.03	0.50	718	0.01	0.01 (hexane)
Boiler BLR-3	0.01	0.02	0.02	0.00	0.28	0.02	0.24	341	0.01	0.01 (hexane)
Air Make-up Units	0.12	0.48	0.48	0.04	6.34	0.35	5.33	1,549	0.02	0.02 (hexane)
Space Heaters	0.02	0.10	0.10	0.01	1.28	0.07	1.08	7,660	0.12	0.11 (hexane)
Edge Bander	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	negl.	negl.
Hot Melt Coater HMC-1	0.00	0.00	0.00	0.00	0.00	9.30	0.00	0.00	negl.	negl.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of MSOP (tons/year)									
	PM	PM10*	PM2.5	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e**	Total HAPs	Worst Single HAP
Hot Melt Coater HMC-2	0.00	0.00	0.00	0.00	0.00	16.71	0.00	0.00	negl.	negl.
Veneer Room Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.33 (formaldehyde)
Degreasing	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
Total PTE of Entire Source	<90.22	<90.72	<90.72	0.05	8.79	27.61	7.38	10,609	0.49	0.33 (formaldehyde)
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds**	250	250	250	250	250	250	250	100,000	NA	NA
negl. = negligible *Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant". **The 100,000 CO ₂ e threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.										

(a) PSD Minor Source
 In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the Permittee shall comply with the following:

- (a) PM, PM10 and PM2.5 emissions (after control) from Baghouse BH-1 controlling particulate emissions from the wood cabinet manufacturing facility (WW-1) shall each not exceed 5.14 pounds per hour.
- (b) PM, PM10 and PM2.5 emissions (after control) from Baghouse BH-2 controlling particulate emissions from the wood cabinet manufacturing facility (WW-1) shall each not exceed 5.14 pounds per hour.
- (c) PM, PM10 and PM2.5 emissions (after control) from Baghouse BH-3 controlling particulate emissions from the wood cabinet manufacturing facility (WW-1) shall each not exceed 5.14 pounds per hour.
- (d) PM, PM10 and PM2.5 emissions (after control) from Baghouse BH-4 controlling particulate emissions from the wood cabinet manufacturing facility (WW-1) shall each not exceed 5.14 pounds per hour.

Compliance with this limit, combined with the potential to emit PM, PM10 and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit of PM, PM10 and PM2.5 to less than 250 tons per twelve (12) consecutive month period, each, and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) The requirements of the New Source Performance Standard for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subpart Dc (326 IAC 12), are not included in the

permit for the three (3) natural gas-fired boilers, identified as BLR-1, BLR-2 and BLR-3, because the maximum design heat input capacity for each boiler is less than ten (10) MMBtu per hour.

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

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Halogenated Solvent Cleaning 40 CFR 63, Subpart T (63.460 through 63.470) (326 IAC 20-6), are not included in the permit, because this operation does not use a degreasing solvent that contains any of the halogenated compounds listed in 40 CFR 63.460(a).
- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Wood Furniture Manufacturing Operations, 40 CFR 63, Subpart JJ (326 IAC 20-14), are not included in the permit because this source is not a major source of HAPs.
- (e) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Surface Coating of Wood Building Products, 40 CFR 63, Subpart QQQQ (326 IAC 20-79), are not included in the permit, since this source coats wood cabinets, not wood building products used in the construction of a residential, commercial, or institutional building and since this source is not a major source of HAPs.
- (f) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR 63, Subpart DDDDD (63.7480 through 63.7575) (326 IAC 20-95), are not included in this permit, because this source is not a major source of HAPs as defined in 40 CFR 63.2.
- (g) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Industrial, Commercial, and Institutional Boilers for Area Sources, 40 CFR 63, Subpart JJJJJJ, are not included in the permit for the three (3) natural gas-fired boilers, identified as BLR-1, BLR-2 and BLR-3 because, pursuant to 40 CFR 63.11195(e), gas-fired boilers are not subject to this rule.
- (h) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the permit.

Compliance Assurance Monitoring (CAM)

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

State Rule Applicability Determination

The following state rules are applicable to the source:

- (a) 326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))
MSOP applicability is discussed under the Permit Level Determination – MSOP section above.
- (b) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))
PSD applicability is discussed under the PTE of the Entire Source After Issuance of the MSOP section above.

- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The potential to emit of any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-4.1.
- (d) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
- (e) 326 IAC 5-1 (Opacity Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
 - (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (f) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.
- (g) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
The source is not subject to the requirements of 326 IAC 6-5, because the source does not have potential fugitive particulate emissions greater than 25 tons per year.
- (h) 326 IAC 12 (New Source Performance Standards)
See Federal Rule Applicability Section of this TSD.
- (i) 326 IAC 20 (Hazardous Air Pollutants)
See Federal Rule Applicability Section of this TSD.

Woodworking Operation

- (j) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(c)(3), the woodworking cabinet manufacturing facility, identified as WW-1, is not subject to the conditions of 326 IAC 6-3-2 because it is subject to a more stringent particulate limit established in 326 IAC 6.5.
- (k) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
Pursuant to 326 IAC 6.5-1-1(a) and 326 IAC 6.5-1-2(a), the woodworking cabinet manufacturing facility, identified as WW-1, is subject to the requirements of 326 IAC 6.5 because this source is located in Dubois County, is not specifically listed in 326 IAC 6.5-2 through 326 IAC 6.5-10, and has potential particulate matter emissions greater than one hundred (100) tons of particulate matter per year.

Therefore, pursuant to 326 IAC 6.5-1-2, the particulate matter emissions from the woodworking cabinet manufacturing facility after baghouse control (BH-1, BH-2, BH-3, and BH-4) shall not exceed three-hundreds (0.03) grain per dry standard cubic foot (dscf).

The baghouses, identified as BH-1, BH-2, BH-3, and BH-4, are considered to be integral to the process, and shall be in operation and control emissions from the woodworking cabinet facility at all times that the woodworking cabinet manufacturing facility is in operation, in order to comply with this limit.

Surface Coating

- (l) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
The two (2) hot melt coaters, identified as HMC-1 and HMC-2, the edge banding operations, and the veneer room roll coater operation are not subject to the requirements of 326 IAC 6-3-2 because, pursuant to 326 IAC 6-3-1(b)(14), they have potential particulate emissions less than 0.551 pound per hour.
- (m) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
This source is located in Dubois County, is not specifically listed in 326 IAC 6.5-2 through 326 IAC 6.5-10, and the entire source has potential particulate matter emissions greater than ten (10) tons per year. However, pursuant to 326 IAC 6.5-1-1(c), the two (2) hot melt coaters (HMC-1 and HMC-2), the edge banding operations, and the veneer room roll coater operation are each not subject to the requirements of 326 IAC 6.5-1-2, since they are each surface coating processes that use roll coating or flow coating methods of application.
- (n) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The two (2) hot melt coaters, identified as HMC-1 and HMC-2, the edge banding operations, and the veneer room roll coater operation are each not subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions from each unit is less than twenty-five (25) tons per year.
- (o) 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating)
The two (2) hot melt coaters, identified as HMC-1 and HMC-2, are each subject to the requirements of 326 IAC 8-2-12 because pursuant to 326 IAC 8-2-1(a)(4), the units were constructed after July 1, 1990, perform surface coating of wood furnishings, which includes cabinets, and have the potential to emit greater than fifteen (15) pounds of VOC per day before add-on controls.

Pursuant to 326 IAC 8-2-12, the surface coating applied to wood furnishings, including cabinets, utilizing the hot melt coaters HMC-1 and HMC-2, shall utilize one (1) or more of the following application systems:

- 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.

Boilers

- (p) 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating)
Pursuant to 326 IAC 6-2-1(e), the three (3) natural gas-fired boilers, identified as BLR-1, BLR-2 and BLR-3, are each not subject to the requirements of 326 IAC 6-2, since they are subject to the requirements of 326 IAC 6.5.
- (q) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
Pursuant to 326 IAC 6.5-1-1(a) and 326 IAC 6.5-1-2(b), the three (3) natural gas-fired boilers, identified as BLR-1, BLR-2 and BLR-3, are each subject to the requirements of 326 IAC 6.5-1-2 because this source is located in Dubois County, is not specifically listed in 326 IAC 6.5-2 through 326 IAC 6.5-10, and the entire source has potential particulate matter emissions greater than ten (10) tons per year.
- Pursuant to 326 IAC 6.5-1-2(b)(3), the particulate matter (PM) emissions from the three (3) natural gas-fired boilers, identified as BLR-1, BLR-2 and BLR-3, shall not be greater than one-hundredth (0.01) grain per dry standard cubic foot (dscf).
- (r) 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)
Pursuant to 326 IAC 7-1.1-1, the three (3) natural gas-fired boilers, identified as BLR-1, BLR-2 and BLR-3, are each not subject to the requirements of 326 IAC 7-1.1, since they each have unlimited sulfur dioxide (SO₂) emissions less than twenty-five (25) tons per year and ten (10) pounds per hour, respectively.
- (s) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The three (3) natural gas-fired boilers, identified as BLR-1, BLR-2 and BLR-3, are each not subject to the requirements of 326 IAC 8-1-6, since they each have unlimited VOC potential emissions of less than twenty-five (25) tons per year.

Cold Cleaner Degreaser

- (t) 326 IAC 8-3-2 (Cold Cleaner Operation)
The one (1) cold cleaner degreaser is subject to the conditions of 326 IAC 8-3-2 because it was constructed after January 1, 1980. Therefore, pursuant to 326 IAC 8-3-2, the owner or operator of the cold cleaning facility shall:
- (1) Equip the cleaner with a cover;
 - (2) Equip the cleaner with a facility for draining cleaned parts;
 - (3) Close the degreaser cover whenever parts are not being handled in the cleaner;
 - (4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
 - (5) Provide a permanent, conspicuous label summarizing the operating requirements;
 - (6) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.
- (u) 326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control)
The one (1) cold cleaner degreaser is subject to the conditions of 326 IAC 8-3-5 because it was constructed after January 1, 1980. Pursuant to 326 IAC 8-3-5(a), the owner or operator of cold cleaner degreaser facilities shall ensure that the following control equipment requirements are met:
- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

- (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
 - (B) The solvent is agitated; or
 - (C) The solvent is heated.
- (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
- (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
- (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
- (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
- (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S EPA as a SIP revision.

Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of cold cleaning facilities shall ensure that the following operating requirements are met:

- (1) Close the cover whenever articles are not being handled in the degreaser.
- (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
- (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

Compliance Determination, Monitoring and Testing Requirements

- (a) The compliance determination and monitoring requirements applicable to this source are as follows:

Emission Unit/Control	Operating Parameters	Frequency
Woodworking Cabinet Manufacturing Facility - Baghouses BH-1, BH-2, BH-3 and BH-4	Baghouse Inspections	Once per quarter

These monitoring requirements are necessary to document the compliance status with the 326 IAC 6.5 PM emission limitations.

- (b) There are no testing requirements applicable to this source.

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on April 10, 2012.

The operation of this source shall be subject to the conditions of the attached proposed New Source Review and MSOP No. M037-31721-00111. The staff recommends to the Commissioner that this New Source Review and MSOP be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Summer Keown at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5175 or toll free at 1-800-451-6027 extension 4-5175.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.in.gov/idem

TSD Appendix A: Emission Calculations
Emissions Summary

Company Name: MasterBrand Cabinets, Inc., Plant 5
Source Address: 11th Street and Geiger Street, Huntingburg, Indiana 47542
Permit No.: M037-31721-00111
Reviewer: Summer Keown
Date: May 23, 2012

Unlimited Potential to Emit (tons/yr) Before Integral Woodworking Controls

	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	GHG as CO ₂ e	Total HAPs	Worst Single HAP	
Woodworking*	739.90	739.90	739.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
Boiler BLR-1	0.01	0.02	0.02	0.00	0.28	0.02	0.24	341	0.01	0.01	hexane
Boiler BLR-2	0.01	0.05	0.05	0.00	0.59	0.03	0.50	718	0.01	0.01	hexane
Boiler BLR-3	0.01	0.02	0.02	0.00	0.28	0.02	0.24	341	0.01	0.01	hexane
Air Make-up Units	0.12	0.48	0.48	0.04	6.34	0.35	5.33	1,549	0.02	0.02	hexane
Space Heaters	0.02	0.10	0.10	0.01	1.28	0.07	1.08	7,660	0.12	0.11	hexane
Edge Bander	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	negl.	negl.	--
Hot Melt Coater HMC-1	0.00	0.00	0.00	0.00	0.00	9.30	0.00	0.00	negl.	negl.	--
Hot Melt Coater HMC-2	0.00	0.00	0.00	0.00	0.00	16.71	0.00	0.00	negl.	negl.	--
Veneer Room Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.33	formaldehyde
Degreasing	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	--
Total	740.07	740.57	740.57	0.05	8.79	27.61	7.38	10,609	0.49	0.33	formaldehyde

Unlimited Potential to Emit (tons/yr) After Integral Woodworking Controls

	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	GHG as CO ₂ e	Total HAPs	Worst Single HAP	
Woodworking*	7.40	7.40	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
Boiler BLR-1	0.01	0.02	0.02	0.00	0.28	0.02	0.24	341	0.01	0.01	hexane
Boiler BLR-2	0.01	0.05	0.05	0.00	0.59	0.03	0.50	718	0.01	0.01	hexane
Boiler BLR-3	0.01	0.02	0.02	0.00	0.28	0.02	0.24	341	0.01	0.01	hexane
Air Make-up Units	0.12	0.48	0.48	0.04	6.34	0.35	5.33	1,549	0.02	0.02	hexane
Space Heaters	0.02	0.10	0.10	0.01	1.28	0.07	1.08	7,660	0.12	0.11	hexane
Edge Bander	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	negl.	negl.	--
Hot Melt Coater HMC-1	0.00	0.00	0.00	0.00	0.00	9.30	0.00	0.00	negl.	negl.	--
Hot Melt Coater HMC-2	0.00	0.00	0.00	0.00	0.00	16.71	0.00	0.00	negl.	negl.	--
Veneer Room Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.33	formaldehyde
Degreasing	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	--
Total	7.57	8.07	8.07	0.05	8.79	27.61	7.38	10,609	0.49	0.33	formaldehyde

*The baghouses controlling emissions for the woodworking operation have been determined by IDEM to be integral to the process. Therefore, only the potential emissions after controls are considered when determining the permit level.

Limited Potential to Emit (tons/yr) Before Integral Woodworking Controls

	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	GHG as CO ₂ e	Total HAPs	Worst Single HAP	
Woodworking*	90.05	90.05	90.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
Boiler BLR-1	0.01	0.02	0.02	0.00	0.28	0.02	0.24	341	0.01	0.01	hexane
Boiler BLR-2	0.01	0.05	0.05	0.00	0.59	0.03	0.50	718	0.01	0.01	hexane
Boiler BLR-3	0.01	0.02	0.02	0.00	0.28	0.02	0.24	341	0.01	0.01	hexane
Air Make-up Units	0.12	0.48	0.48	0.04	6.34	0.35	5.33	1,549	0.02	0.02	hexane
Space Heaters	0.02	0.10	0.10	0.01	1.28	0.07	1.08	7,660	0.12	0.11	hexane
Edge Bander	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	negl.	negl.	--
Hot Melt Coater HMC-1	0.00	0.00	0.00	0.00	0.00	9.30	0.00	0.00	negl.	negl.	--
Hot Melt Coater HMC-2	0.00	0.00	0.00	0.00	0.00	16.71	0.00	0.00	negl.	negl.	--
Veneer Room Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.33	formaldehyde
Degreasing	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	--
Total	90.22	90.72	90.72	0.05	8.79	27.61	7.38	10,609	0.49	0.33	formaldehyde

*Based on PM/PM10/PM2.5 limits of 5.14 pounds per hour per baghouse (after control).

**TSD Appendix A: Emission Calculations
Emissions From Woodworking**

Company Name: MasterBrand Cabinets, Inc., Plant 5
Source Address: 11th Street and Geiger Street, Huntingburg, Indiana 47542
Permit No.: M037-31721-00111
Reviewer: Summer Keown
Date: May 23, 2012

Unit	Baghouse ID	*Outlet Grain Loading (gr/dscf)	Flow Rate (acfm)	Stack Temp (°F)	Flow Rate (dscfm)	Control Efficiency %	PM/PM10/PM2.5 Emissions**					
							PM/PM10/PM2.5 Emissions After Integral Controls (lbs/hr)*	PM/PM10/PM2.5 Emissions After Integral Controls (tons/yr)*	PM/PM10/PM2.5 Emissions Before Integral Controls (lbs/hr)*	PM/PM10/PM2.5 Emissions Before Integral Controls (tons/yr)*	Limited PM/PM10/PM2.5 Emissions (lbs/hr)*	Limited PM/PM10/PM2.5 Emissions (tons/yr)*
WW-1	BH-1	0.00118	18,000	70	17,932	99.0%	0.18	0.79	18.14	79.44	5.14	22.51
	BH-2	0.00118	34,330	70	34,200	99.0%	0.35	1.52	34.59	151.51	5.14	22.51
	BH-3	0.00118	62,970	70	62,732	99.0%	0.63	2.78	63.45	277.91	5.14	22.51
	BH-4	0.000981	62,970	70	62,732	99.0%	0.53	2.31	52.75	231.04	5.14	22.51
Total							1.69	7.40	168.93	739.90	20.56	90.05

*The outlet grain loading (gr/dscf) above is provided by the source and is based on stack test results (April 16, 2003).

**Assume PM emissions = PM10 emissions = PM2.5 emissions

In October 1993 a Final Order Granting Summary Judgement was signed by Administrative Law Judge ("ALJ") Garretson resolving an appeal filed by Kimball Hospitality Furniture, Inc. (Cause Nos. 92-A-J-730 and 92-A-J-833) related to the method by which IDEM calculated potential emissions from woodworking operations. In his findings, the ALJ determined that particulate controls were necessary for the facility to produce its normal product and are integral to the normal operation of the facility, and therefore, potential emissions should be calculated after controls. Based on this ruling, potential emissions for particulate matter were calculated after consideration of the controls.

Methodology

$$\text{Flow Rate (dscfm)} = [\text{Flow Rate (acfm)}] * [(460 + 68^\circ\text{F}) / (460 + 70^\circ\text{F})]$$

$$\text{PM/PM10/PM2.5 Emissions After Integral Controls (lbs/hr)} = [\text{Outlet Grain Loading (gr/dscf)}] * [\text{Flow Rate (dscfm)}] * [60 \text{ min/hr}] * [\text{lb}/7,000 \text{ grains}]$$

$$\text{PM/PM10/PM2.5 Emissions After Integral Controls (tons/yr)} = [\text{PM/PM10/PM2.5 Emissions After Integral Controls (lbs/hr)}] * [8,760 \text{ hrs/yr}] * [\text{ton}/2,000 \text{ lbs}]$$

$$\text{PM/PM10/PM2.5 Emissions Before Integral Controls (lbs/hr)} = [\text{PM/PM10/PM2.5 Emissions After Integral Controls (lbs/hr)}] / [1 - \text{Control Efficiency}]$$

$$\text{PM/PM10/PM2.5 Emissions Before Integral Controls (tons/yr)} = [\text{PM/PM10/PM2.5 Emissions After Integral Controls (tons/yr)}] / [1 - \text{Control Efficiency}]$$

$$\text{Limited PM/PM10/PM2.5 Emissions (tons/yr)} = [\text{Limited PM/PM10/PM2.5 Emissions (lbs/hr)}] * [8,760 \text{ hrs/yr}] * [\text{ton}/2,000 \text{ lbs}]$$

**TSD Appendix A: Emission Calculations
Natural Gas Combustion Only**

MM BTU/HR <100

Company Name: MasterBrand Cabinets, Inc., Plant 5
Source Address: 11th Street and Geiger Street, Huntingburg, Indiana 47542
Permit No.: M037-31721-00111
Reviewer: Summer Keown
Date: May 23, 2012

Emission Unit	Heat Input Capacity MMBtu/hr	HHV mmBtu	Potential Throughput MMCF/yr
		mmscf	
Boiler BLR-1	0.645	1000	5.7
Boiler BLR-2	1.357	1000	11.9
Boiler BLR-3	0.645	1000	5.7
Space Heaters/Hot Water Heater	2.930	1000	25.7
Air Make-Up Units	14.486	1000	126.9

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100	5.5	84
Potential Emissions in tons/yr					**see below		
Boiler BLR-1	0.01	0.02	0.02	0.002	0.28	0.02	0.24
Boiler BLR-2	0.01	0.05	0.05	0.004	0.59	0.03	0.50
Boiler BLR-3	0.01	0.02	0.02	0.002	0.28	0.02	0.24
Space Heaters/Hot Water Heater	0.02	0.10	0.10	0.008	1.28	0.07	1.08
Air Make-Up Units	0.12	0.48	0.48	0.038	6.34	0.35	5.33
Total	0.17	0.67	0.67	0.05	8.79	0.48	7.38

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

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

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

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03

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

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

See page 4 for HAPs emissions calculations.

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

Company Name: MasterBrand Cabinets, Inc., Plant 5
Source Address: 11th Street and Geiger Street, Huntingburg, Indiana 47542
Permit No.: M037-31721-00111
Reviewer: Summer Keown
Date: May 23, 2012

Emission Factor in lb/MMcf	HAPs - Organics				
	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr					
Boiler BLR-1	5.9E-06	3.4E-06	2.1E-04	5.1E-03	9.6E-06
Boiler BLR-2	1.2E-05	7.1E-06	4.5E-04	1.1E-02	2.0E-05
Boiler (ID #?)	5.9E-06	3.4E-06	2.1E-04	5.1E-03	9.6E-06
Space Heaters/Hot Water Heater	2.7E-05	1.5E-05	9.6E-04	2.3E-02	4.4E-05
Air Make-Up Units	1.3E-04	7.6E-05	4.8E-03	1.1E-01	2.2E-04
Total	1.8E-04	1.1E-04	6.6E-03	1.6E-01	3.0E-04

Emission Factor in lb/MMcf	HAPs - Metals					Total HAPs
	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03	
Potential Emission in tons/yr						
Boiler BLR-1	1.4E-06	3.1E-06	4.0E-06	1.1E-06	5.9E-06	5.3E-03
Boiler BLR-2	3.0E-06	6.5E-06	8.3E-06	2.3E-06	1.2E-05	1.1E-02
Boiler (ID #?)	1.4E-06	3.1E-06	4.0E-06	1.1E-06	5.9E-06	5.3E-03
Space Heaters/Hot Water Heater	6.4E-06	1.4E-05	1.8E-05	4.9E-06	2.7E-05	2.4E-02
Air Make-Up Units	3.2E-05	7.0E-05	8.9E-05	2.4E-05	1.3E-04	1.2E-01
Total	4.4E-05	9.7E-05	1.2E-04	3.3E-05	1.8E-04	1.7E-01

Methodology is the same as page 3.

The five highest organic and metal HAPs emission factors are provided above.

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

See Page 5 for Greenhouse Gas calculations.

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

Company Name: MasterBrand Cabinets, Inc., Plant 5
Source Address: 11th Street and Geiger Street, Huntingburg, Indiana 47542
Permit No.: M037-31721-00111
Reviewer: Summer Keown
Date: May 23, 2012

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120,000	2.3	2.2
Potential Emission in tons/yr			
Boiler BLR-1	339	0.01	0.01
Boiler BLR-2	713	0.01	0.01
Boiler (ID #?)	339	0.01	0.01
Space Heaters/Hot Water Heater	1,540	0.03	0.03
Air Make-Up Units	7,614	0.15	0.14
Total	10,545	0.20	0.19
Summed Potential Emissions in tons/yr			
Boiler BLR-1		339	
Boiler BLR-2		713	
Boiler (ID #?)		339	
Space Heaters/Hot Water Heater		1,540	
Air Make-Up Units		7,614	
Total		10,546	
CO2e Total in tons/yr			
Boiler BLR-1		341	
Boiler BLR-2		718	
Boiler (ID #?)		341	
Space Heaters/Hot Water Heater		1,549	
Air Make-Up Units		7,660	
Total		10,609	

Methodology

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).

**TSD Appendix A: Emission Calculations
VOC Emissions
Cold Solvent Degreaser**

Company Name: MasterBrand Cabinets, Inc., Plant 5
Source Address: 11th Street and Geiger Street, Huntingburg, Indiana 47542
Permit No.: M037-31721-00111
Reviewer: Summer Keown
Date: May 23, 2012

Uncontrolled

Unit	*Solvent Used	Density (lbs/gal)	Weight % VOC	Maximum Usage (gal/hr)	PTE of VOC (lbs/hr)	PTE of VOC (tons/yr)
Cold Cleaner Degreaser	Safety Kleen 150	6.6	100.00%	0.00	0.026	0.12

* These solvents do not contain any regulated HAPs.

METHODOLOGY

PTE of VOC (lbs/day) = Density (lbs/gal) * Weight % of VOC * Maximum Usage (gal/day)

PTE of VOC (tons/yr) = Density (lbs/gal) * Weight % VOC * Maximum Usage (gal/day) 365 days/yr * 1 ton/2000 lbs

**TSD Appendix A: Emission Calculations
VOC Emissions
From Surface Coating Operations**

Company Name: MasterBrand Cabinets, Inc., Plant 5
Source Address: 11th Street and Geiger Street, Huntingburg, Indiana 47542
Permit No.: M037-31721-00111
Reviewer: Summer Keown
Date: May 23, 2012

Emission Unit	Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Maximum Usage (lb/hr)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency
Edge Banding Operations	Jowatherm 288.60	10.8	0.80%	0.0%	0.8%	0.0%	99.20%	28.60	0.09	0.09	0.23	5.49	1.00	0.00	0.09	100%
Hot Melt Coater HMC-1	Jowatherm 297.90	9.2	0.80%	0.0%	0.8%	0.0%	99.20%	265.50	0.07	0.07	2.12	50.98	9.30	0.00	0.07	100%
Hot Melt Coater HMC-2	Jowatherm 288.60	10.8	0.80%	0.0%	0.8%	0.0%	99.20%	476.80	0.09	0.09	3.81	91.55	16.71	0.00	0.09	100%
Veneer Room Glue	CP0501 UF Resin	10.8	0.00%	0.0%	0.0%	0.0%	99.20%	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%

State Potential Emissions

6.17 148.01 27.01 0.00

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)
Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) * Maximum (lbs/hr) * (24 hr/day)
Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Maximum (gal/hr) * (8760 hr/yr) * (1 ton/2000 lbs)
Particulate Potential Tons per Year = (lbs/hour) * (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer efficiency) *(8760 hrs/yr) *(1 ton/2000 lbs)
Pounds VOC per Gallon of Solids = (Density (lbs/gal) * Weight % organics) / (Volume % solids)

**TSD Appendix A: Emission Calculations
HAP Emission Calculations**

Company Name: MasterBrand Cabinets, Inc., Plant 5
Source Address: 11th Street and Geiger Street, Huntingburg, Indiana 47542
Permit No.: M037-31721-00111
Reviewer: Summer Keown
Date: May 23, 2012

Emission Unit	Material	Density (Lb/Gal)	Usage (lb/hr)	Weight % Vinyl Acetate	Weight % Formaldehyde	Vinyl Acetate Emissions (ton/yr)	Formaldehyde Emissions (ton/yr)	Total HAPs (ton/yr)
Edge Banding Operations	Jowatherm 288.60	10.8	28.60	0.0001%	0.00%	0.0001	0.00	0.000
Hot Melt Coater	Jowatherm 297.90	9.2	265.50	0.0001%	0.00%	0.001	0.00	0.00
Veneer Room Glue	CP0501 UF Resin	10.83	25.00	0.00%	0.30%	0.000	0.33	0.33
Total State Potential Emissions						0.00	0.33	0.33

METHODOLOGY

HAPS emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs



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

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Michael Decker
MasterBrand Cabinets, Inc., Plant 5
614 W 13th Street
Ferdinand, IN 47532

DATE: August 20, 2012

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

SUBJECT: Final Decision
Minor Source Operating Permit
037-31721-00111

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
Steven Clifton, Responsible Official
Kathy Moore, Consultant
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

August 20, 2012

TO: Huntingburg Public Library

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

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: MasterBrand Cabinets, Inc., Plant 5
Permit Number: 037-31721-00111

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	PWAY 8/20/2012 MasterBrand Cabinets, Inc., Plant 5 037-31721-00111 (final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Michael Decker MasterBrand Cabinets, Inc., Plant 5 614 W 13th St Ferdinand IN 47532 (Source CAATS)										
2		Steven Clifton Plant Mgr MasterBrand Cabinets, Inc., Plant 5 PO Box 420 Jasper IN 47547 (RO CAATS)										
3		Huntingburg City Council and Mayors Office 508 E 4th St Huntingburg IN 47542-1319 (Local Official)										
4		Mr. Wendell Hibdon Plumbers & Steam Fitters Union, Local 136 2300 St. Joe Industrial Park Dr Evansville IN 47720 (Affected Party)										
5		Huntingburg Public Library 419 Jackson St. Huntingburg IN 47542-1301 (Library)										
6		Dubois County Commissioners One Courthouse Square Jasper IN 47546 (Local Official)										
7		Mr. Alec Kalla 8733 W. Summit Circle Drive French Lick IN 47432 (Affected Party)										
8		DuBois County Health Department 1187 S St. Charles Street Jasper IN 47546 (Health Department)										
9		Mrs. Kathy Moore KERAMIDA Environmental, Inc. 401 North College Indianapolis IN 46202 (Consultant)										
10		Mr. John Blair 800 Adams Ave Evansville IN 47713 (Affected Party)										
11												
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