



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant
DATE: September 21, 2006
RE: Indiana Laminate / 037-17854-00084
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

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

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER.dot 03/23/06



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**FEDERALLY ENFORCEABLE STATE
OPERATING PERMIT (FESOP) RENEWAL
OFFICE OF AIR QUALITY**

**Indiana Laminate
1101 West 100 South
Jasper, Indiana 47546**

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

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

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

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

Operation Permit No.: F037-17854-00084	
Issued by: Origin signed by Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: September 21, 2006 Expiration Date: September 21, 2011

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SECTION A SOURCE SUMMARY

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

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

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

Authorized individual:	V.P. Human Resources and Sales
Source Address:	1101 West 100 South, Jasper, Indiana 47546
Mailing Address:	P.O. Box 270, 1224 N. Mill Street, Jasper, Indiana 47547
General Source Phone:	(812) 482-5727
SIC Code:	2511
County Location:	Dubois County
Source Location Status:	Nonattainment for PM2.5 Standard Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD and Emission Offset; Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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

- (a) One (1) woodworking operation, identified as EU#539, constructed in 1997, with a maximum capacity of 9,414 pounds of plywood panels for office furniture per hour, with emissions controlled by one (1) baghouse CE#3, and exhausting to stack SV#9.
- (b) One (1) woodworking operation, identified as EU#600, constructed in 2000, with a maximum capacity of 4,224 pounds of plywood panels for office furniture per hour, with emissions controlled by one (1) baghouse CE#4, and exhausting to stack SV#1.
- (c) One (1) stain spray booth, identified as EU#618, constructed in 2000 and modified in 2004, spraying wood office furniture with a maximum coating usage of 2.44 gallons per hour, utilizing high volume, low pressure spray application method, with emissions controlled by dry filter, and exhausting to stack SV#2.
- (d) One (1) rim seal spray booth, identified as EU#620, constructed in 2000 and modified in 2004, spraying wood office furniture with a maximum coating usage of 0.31 gallons per hour, utilizing high volume, low pressure spray application method, with emissions controlled by dry filter, and exhausting to stack SV#3.
- (e) One (1) UV line spray booth, identified as EU#622, constructed in 2000 and modified in 2004, spraying wood office furniture with a maximum coating usage of 1.57 gallons per hour, utilizing high volume, low pressure spray application method, with emissions controlled by dry filter, and exhausting to stack SV#4.
- (f) One (1) spray booth, identified as EU#628, constructed in 2000 and modified in 2004, spraying wood office furniture with a maximum coating usage of 0.054 gallons per hour, utilizing high volume, low pressure spray application method, with emissions controlled by dry filter, and exhausting to stack SV#7

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

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) One (1) hot press glue spreader system, identified as EU#526, constructed in 1996, with a maximum capacity of 3.33 plywood panels per hour, and exhausting to stack SV#5.
- (b) One (1) spray booth, identified as EU#527, constructed in 1996, spraying wood panels with a maximum of 0.964 pounds of powder glue/water mixture per hour, utilizing high volume, low pressure spray application method, with emissions controlled by dry filter, and exhausting to stack SV#6
- (c) One (1) woodworking operation, identified as EU#519, constructed in 1996, with a maximum capacity of 18,827 pounds of plywood panels for office furniture per hour, with emissions controlled by one (1) baghouse CE#1, and exhausting to stack SV#8. The exhaust air flow rate for this facility is less than 40,000 cubic feet per minute and the outlet grain loading is less than 0.01 grains per dry standard cubic feet of outlet air.
- (d) One (1) woodworking operation, identified as EU#538, constructed in 1997, with a maximum capacity of 9,414 pounds of plywood panels for office furniture per hour, with emissions controlled by one (1) baghouse CE#2, and exhausting to stack SV#10. The exhaust air flow rate for this facility is less than 40,000 cubic feet per minute and the outlet grain loading is less than 0.01 grains per dry standard cubic feet of outlet air.
- (e) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour:
 - (1) Two (2) natural gas-fired heaters, identified as EU#523 and EU#524, both constructed in 1996, each with a maximum heat input capacity of 0.8 MMBtu/hr, and exhausting to stacks SV#11 and SV#12, respectively.
 - (2) One (1) natural gas-fired boiler, identified as EU#525, constructed in 1996, with a maximum heat input capacity of 0.8 MMBtu/hr, and exhausting to stack SV#13.
 - (3) One (1) natural gas-fired heater, identified as EU#536, constructed in 1997, with a maximum heat input capacity of 0.8 MMBtu/hr, and exhausting to stack SV#14.
 - (4) Two (2) natural gas-fired heaters, identified as EU#620A and EU#628A, both constructed in 2000, each with a maximum heat input capacity of 1.296 MMBtu/hr, and exhausting to stacks SV#15 and SV#16, respectively.
 - (5) One (1) natural gas-fired heater, identified as EU#618A, constructed in 2000, with a maximum heat input capacity of 2.592 MMBtu/hr, and exhausting to stack SV#17.
 - (6) One (1) natural gas-fired boiler, identified as EU#656, constructed in 2000, with a maximum heat input capacity of 0.65 MMBtu/hr, and exhausting to stack SV#18.
 - (7) One (1) natural gas-fired heater, identified as EU#660, constructed in 2000, with a maximum heat input capacity of 1.6 MMBtu/hr, and exhausting to stack SV#19.
 - (8) One (1) natural gas-fired air make-up unit, identified as EU#658, constructed in 2000, with a maximum heat input capacity of 0.185 MMBtu/hr, and exhausting to stack SV#20.
 - (9) Ten (10) natural gas-fired HVAC units, collectively identified as EU#636, all constructed in 2000, each with a maximum heat input capacity of 0.4 MMBtu/hr, and exhausting to stack SV#21, respectively.

- (10) Two (2) natural gas-fired heaters, identified as EU#630 and EU#632, both constructed in 2000, each with a maximum heat input capacity of 0.12 million Btu per hour, and exhausting to stacks SV#22 and SV#23, respectively.
- (11) One (1) natural gas-fired heater, identified as EU#634, constructed in 2000, with a maximum heat input capacity of 0.06 million Btu per hour each and exhausting to stack SV#24.
- (12) One (1) natural gas fired flash off oven, identified as EU#628B, constructed in 2004, with a maximum heat input capacity of 1.0 MMBtu/hr, and exhausting to stack SV7B.
- (13) One (1) natural gas fired finish line oven, identified as EU#628C, constructed in 2004, with a maximum heat input capacity of 0.4 MMBtu/hr, and exhausting to stack SV#7C.
- (14) One (1) natural gas fired air make-up unit, identified as EU#664, constructed in 2004, with a maximum heat input capacity of 2.9 MMBtu/hr, and exhausting to stack SV24A.
- (15) Two (2) natural gas fired HVAC units, identified as EU#668 and E#670, constructed in 2004, each with a maximum heat input capacity of 0.2 MMBtu/hr, and exhausting to stacks SV#25 and SV#26, respectively.
- (16) One (1) natural gas fired HVAC unit, identified as EU#672, constructed in 2004, with a maximum heat input capacity of 0.04 MMBtu/hr, and exhausting to stack SV#27.
- (17) One (1) natural gas fired boiler, identified as EU#674, constructed in 2004, with a maximum heat input capacity of 0.6 MMBtu/hr, and exhausting to stack SV#28.
- (18) One (1) natural gas fired pump house heater, identified as EU#676, constructed in 2004, with a maximum heat input capacity of 0.185 MMBtu/hr, and exhausting to stack SV#29.
- (f) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (g) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 British Thermal Units per hour, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 British Thermal Units per hour.
- (h) The following equipment related to manufacturing activities not resulting in emissions of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (i) Water based adhesives that are less than or equal to 5% by volume of VOCs excluding HAPs.
- (j) Paved and unpaved roads and parking lots with public access.
- (k) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (l) On-site fire and emergency response training approved by the department.
- (m) Other activities or categories not previously identified:

- (1) CL2370 Booth Coat used in the Veneer Spray Booth, identified as EU#527, emitting less than 3 lbs/hr or 15 lbs/day of VOC.
- (2) Two (2) above ground storage tanks constructed on March 8, 1996, identified as T#527 and T#528, each with a maximum capacity of 1900 gallons.

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

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

SECTION B GENERAL CONDITIONS

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

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2, and 326 IAC 2-7) shall prevail.

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

- (a) This permit, 037-17854-00084, 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 [326 IAC 2-8-6]

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

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

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

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

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

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

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1 when furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

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

B.9 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.10 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, may be required to determine the compliance status of the source.

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

B.11 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs), including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

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

IDEM – Main Office

Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,

Telephone No.: 317-233-0178 (ask for Compliance Section)

Facsimile No.: 317-233-6865

Southwest Regional Office

Telephone No.: 1-888-672-8323 or,

Telephone No.: 812-380-2305

Facsimile No.: 812-380-2304

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

Indiana Department of Environmental Management

Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

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

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

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

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

- (a) All terms and conditions of permits established prior to F037-17854-00084 and issued pursuant to permitting programs approved into the state implementation plan have been either
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

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

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:
 - (1) That this permit contains a material mistake.

- (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, IN 46204-2251

- (b) A timely renewal application is one that is:
 - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue

Indianapolis, Indiana 46204-2251

Any such application shall be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

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

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

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

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

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

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

- (b) **Emission Trades [326 IAC 2-8-15(c)]**
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) **Alternative Operating Scenarios [326 IAC 2-8-15(d)]**
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Permit Revision Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.22 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2] [IC13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

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

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

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4320 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314][326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Overall Source Limit [326 IAC 2-8]

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

- (a) Pursuant to 326 IAC 2-8:
- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. The limitation shall also make the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) not applicable.
 - (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
 - (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.
- (b) Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.
- (c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.
- (d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.2 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of 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.3 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.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and in 326 IAC 9-1-2.

C.5 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.6 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

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
Asbestos Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Procedures for Asbestos Emission Control

The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

- (f) Demolition and renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) Indiana Accredited 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 Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

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

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ, not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

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

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

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented upon issuance of this permit. If required by Section

D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.

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

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

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

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

C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on September 10, 1999.
- (b) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.13 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

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

C.14 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records;
 - (3) inspection of the control device, associated capture system, and the process.

- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.16 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

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

C.17 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management

Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.18 Compliance with 40 CFR 82 and 326 IAC 22-1

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

- (a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (c) One (1) stain spray booth, identified as EU#618, constructed in 2000 and modified in 2004, spraying wood office furniture with a maximum coating usage of 2.44 gallons per hour, utilizing high volume, low pressure spray application method, with emissions controlled by dry filter, and exhausting to stack SV#2.
- (d) One (1) rim seal spray booth, identified as EU#620, constructed in 2000 and modified in 2004, spraying wood office furniture with a maximum coating usage of 0.31 gallons per hour, utilizing high volume, low pressure spray application method, with emissions controlled by dry filter, and exhausting to stack SV#3.
- (e) One (1) UV line spray booth, identified as EU#622, constructed in 2000 and modified in 2004, spraying wood office furniture with a maximum coating usage of 1.57 gallons per hour, utilizing high volume, low pressure spray application method, with emissions controlled by dry filter, and exhausting to stack SV#4.
- (f) One (1) spray booth, identified as EU#628, constructed in 2000 and modified in 2004, spraying wood office furniture with a maximum coating usage of 0.054 gallons per hour, utilizing high volume, low pressure spray application method, with emissions controlled by dry filter, and exhausting to stack SV#7.

Insignificant Activities

- (a) One (1) hot press glue spreader system, identified as EU#526, constructed in 1996, with a maximum capacity of 3.33 plywood panels per hour, and exhausting to stack SV#5.
- (b) One (1) spray booth, identified as EU#527, constructed in 1996, spraying wood panels with a maximum of 0.964 pounds of powder glue/water mixture per hour, utilizing high volume, low pressure spray application method, with emissions controlled by dry filter, and exhausting to SV#6.
- (m)(1) CL2370 Booth Coat used in the Veneer Spray Booth, identified as EU#527, emitting less than 3 lbs/hr or 15 lbs/day of VOC.

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

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

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

Pursuant to 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating), the surface coating applied to wood furniture and cabinets in booths EU#618, EU#620, and EU#622 shall utilize one of the following application methods:

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

High Volume Low Pressure (HVLP) Spray Application is an accepted alternative method of application for Air Assisted Airless Spray Application. HVLP spray is the technology used to

apply coating to substrate by means of coating application equipment which operates between one-tenth (0.1) and ten (10) pounds per square inch gauge (psig) air pressure measured dynamically at the center of the air cap and at the air horns of the spray system.

D.1.2 Particulate Matter (PM) Limit [326 IAC 2-2] [326 IAC 2-3]

Pursuant to SPR 037-19634-00084, issued on November 15, 2004, the Permittee shall limit PM emissions from the surface coating operations to the pound per hour emission rate shown in the following table:

Emissions Unit	PM Emission Rate (lbs/hr)	PM Emission Rate (tons/yr)
EU#527	2.57	11.3
EU#618	0.468	2.05
EU#620	0.228	1.00
EU#622	1.95	8.54
EU#628	0.228	1.00

Combined with the PM emissions from the other emissions units at this source, the PM emissions from the entire source are limited to less than 250 tons per year. Compliance with these limits makes the source a minor source under 326 IAC 2-2 (Prevention of Significant Deterioration).

D.1.3 FESOP [326 IAC 2-8-4] [326 IAC 2-2]

Pursuant to F037-10198-00084, issued on June 24, 1998 and 326 IAC 2-8-4, the Permittee shall limit PM10 emissions from the surface coating operations to the PM10 emission rate in pounds per hour shown in the following table:

Emissions Unit	PM10 Emission Rate (lbs/hr)	PM10 Emission Rate (tons/yr)
EU#526	0.096	0.42
EU#527	2.57	11.3
EU#618	0.468	2.05
EU#620	0.228	1.00
EU#622	1.95	8.54
EU#628	0.228	1.00

Combined with the PM10 emissions from the other emissions units at this source, the PM10 emissions from the entire source are limited to less than 100 tons per year. Therefore, the requirements of 326 IAC 2-7 (Part 70 Program) are not applicable. Compliance with these limits makes the source a minor source under 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-3 (Emission Offset).

D.1.4 Particulate Matter (PM) [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (Particulate Emission Limitations), the allowable PM emission rate from each of the surface coating operations (EU#526, EU#527, EU#618, EU#620, EU#622 and EU#628), shall not exceed three-hundredths (0.03) grain per dry standard cubic foot.

D.1.5 FESOP [326 IAC 2-8-4]

Pursuant to Significant Permit Revision 037-19684-00084, issued on November 15, 2004, and 326 IAC 2-8-4, the total VOC input to spray booths EU#618, EU#620, EU#622, and EU#628, and their associated clean-up activities shall be limited to less than 90.0 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

Combined with the VOC emissions from other units, the VOC emissions from the entire source are limited to less than 100 tons/yr. Therefore, the requirements of 326 IAC 2-7 (Part 70 Program) are not applicable.

D.1.6 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

D.1.7 Particulate Control

Pursuant to CP 037-6259-00084, issued on July 24, 1996, FESOP 037-10198-00084, issued June 24, 1999, Significant Permit Revision 037-12356-00084, issued November 20, 2000, Significant Permit Revision 037-19634-00084, issued November 15, 2004, 326 IAC 6.5-1-2(a) and in order to comply with Conditions D.1.2, D.1.3 and D.1.4, particulate from the surface coating operations shall be controlled with a dry particulate filter and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.1.8 Volatile Organic Compounds (VOC) [326 IAC 8-1-2][326 IAC 8-1-4]

Compliance with the VOC content and usage limitations contained in Condition D.1.5 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

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

D.1.9 Monitoring

- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the dry filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth exhaust stacks (2, 3, 4, 5, 6 and 7a) while one or more of the booths are in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.10 Record Keeping Requirements

- (a) To document compliance with Condition D.1.5, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Condition D.1.5. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
 - (1) The VOC content of each coating material and solvent used.
 - (2) The amount of coating material and solvent less water used on a monthly basis. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (3) The cleanup solvent usage for each month;

- (4) The total VOC usage for each month; and
 - (5) The weight of VOCs emitted for each compliance period.
- (b) To document compliance with Condition D.1.9, the Permittee shall maintain a log of weekly overspray observations and daily and monthly inspections.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.11 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.5 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (a) One (1) woodworking operation, identified as EU#539, constructed in 1997, with a maximum capacity of 9,414 pounds of plywood panels for office furniture per hour, with emissions controlled by one (1) baghouse CE#3, and exhausting to stack SV#9.
- (b) One (1) woodworking operation, identified as EU#600, constructed in 2000, with a maximum capacity of 4,224 pounds of plywood panels for office furniture per hour, with emissions controlled by one (1) baghouse CE#4, and exhausting to stack SV#1.

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

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

D.2.1 Particulate Matter (PM) Limit [326 IAC 2-2]

- (a) The Permittee shall limit PM emissions from woodworking operation EU#539 to 12.3 pounds of PM per hour.
- (b) The Permittee shall limit PM emissions from woodworking operation EU#600 to 15.7 pounds of PM per hour.

Combined with the PM emissions from the other emissions units at this source, the PM emissions from the entire source are limited to less than 250 tons per year. Compliance with these limits makes the source a minor source under 326 IAC 2-2 (Prevention of Significant Deterioration).

D.2.2 FESOP [326 IAC 2-8-4] [326 IAC 2-2] [326 IAC 2-3]

- (a) Pursuant to 326 IAC 2-8-4, the Permittee shall limit PM10 emissions from woodworking operation EU#539 to 4.85 pounds of PM10 per hour.
- (b) Pursuant to 326 IAC 2-8-4, the Permittee shall limit PM10 emissions from woodworking operation EU#600 to 4.85 pounds of PM10 per hour.

Combined with the PM10 emissions from the other emissions units at this source, the PM10 emissions from the entire source are limited to less than 100 tons per year. Therefore, the requirements of 326 IAC 2-7 (Part 70 Program) are not applicable. Compliance with these limits makes the source a minor source under 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-3 (Emission Offset).

D.2.3 Particulate Matter (PM) [326 IAC 6.5-1-2]

- (a) Pursuant to 326 IAC 6.5-1-2 (Particulate Emission Limitations), particulate matter (PM) emissions from woodworking operation EU#539 shall be limited to three-hundredths (0.03) grain per dry standard cubic foot of exhaust air.
- (b) Pursuant to 326 IAC 6.5-1-2 (Particulate Emission Limitations), particulate matter (PM) emissions from woodworking operation EU#600 shall be limited to three-hundredths (0.03) grain per dry standard cubic foot of exhaust air.

D.2.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

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

D.2.5 Particulate Control [326 IAC 2-8-5(a)(4)]

- (a) In order to comply with Conditions D.2.1, D.2.2 and D.2.3, the baghouses (CE#3 and CE#4) for particulate control shall be in operation and control emissions from the woodworking operations (EU#539 and EU#600) at all times that the woodworking operations are 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.

D.2.6 Visible Emissions Notations

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

D.2.7 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the woodworking operations, when exhausting 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.

D.2.8 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 B - Emergency Provisions).
- (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 B - Emergency Provisions).

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 Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.9 Record Keeping Requirements

- (a) To document compliance with Condition D.2.6, the Permittee shall maintain records of daily visible emission notations of the woodworking operations stack exhausts.
- (b) To document compliance with Condition D.2.7, the Permittee shall maintain records of the results of the inspections required under Condition D.2.7.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.3

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]

Insignificant Activities

- (c) One (1) woodworking operation, identified as EU#519, constructed in 1996, with a maximum capacity of 18,827 pounds of plywood panels for office furniture per hour, with emissions controlled by one (1) baghouse CE#1, and exhausting to stack SV#8. The exhaust air flow rate for this facility is less than 40,000 cubic feet per minute and the outlet grain loading is less than 0.01 grains per dry standard cubic feet of outlet air.
- (d) One (1) woodworking operation, identified as EU#538, constructed in 1997, with a maximum capacity of 9,414 pounds of plywood panels for office furniture per hour, with emissions controlled by one (1) baghouse CE#2, and exhausting to stack SV#10. The exhaust air flow rate for this facility is less than 40,000 cubic feet per minute and the outlet grain loading is less than 0.01 grains per dry standard cubic feet of outlet air.

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

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

D.3.1 Particulate Matter (PM) Limit [326 IAC 2-2]

- (a) The Permittee shall limit PM emissions from woodworking operation EU#519 to 9.0 pounds of PM per hour.
- (b) The Permittee shall limit PM emissions from woodworking operation EU#538 to 9.0 pounds of PM per hour.

Combined with the PM emissions from the other emissions units at this source, the PM emissions from the entire source are limited to less than 250 tons per year. Compliance with these limits makes the source a minor source under 326 IAC 2-2 (Prevention of Significant Deterioration).

D.3.2 FESOP [326 IAC 2-8-4] [326 IAC 2-2] [326 IAC 2-3]

- (a) Pursuant to 326 IAC 2-8-4, the Permittee shall limit PM10 emissions from woodworking operation EU#519 to 3.0 pounds of PM10 per hour.
- (b) Pursuant to 326 IAC 2-8-4, the Permittee shall limit PM10 emissions from woodworking operation EU#538 to 3.0 pounds of PM10 per hour.

Combined with the PM10 emissions from the other emissions units at this source, the PM10 emissions from the entire source are limited to less than 100 tons per year. Therefore, the requirements of 326 IAC 2-7 (Part 70 Program) are not applicable. Compliance with these limits makes the source a minor source under 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-3 (Emission Offset).

D.3.3 Particulate Matter (PM) [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate Emission Limitations), particulate matter (PM) emissions from woodworking operations EU#519 and EU#538 shall each be limited to three-hundredths (0.03) grain per dry standard cubic foot of exhaust air.

D.3.4 Baghouse Limitations [326 IAC 2-7-1(21)(G)(xxx)]

The woodworking operations controlled by a baghouse shall be an insignificant activity for Title V permitting purposes provided that the baghouse operations meet the requirements of 326 IAC 2-7-1(21)(G)(xxx), including the following:

- (a) Each woodworking baghouse shall not exhaust to the atmosphere greater than forty thousand (40,000) cubic feet of air per minute and shall not emit particulate matter with a diameter less than ten (10) microns in excess of one-hundredth (0.01) grain per dry standard cubic foot of outlet air.
- (b) The opacity from each baghouse shall not exceed ten percent (10%).
- (c) Visible emissions from the baghouses shall be observed daily using procedures in accordance with Method 22 and normal or abnormal emissions are recorded. In the event abnormal emissions are observed for greater than six (6) minutes in duration, the following shall occur:
 - (1) The baghouses shall be inspected.
 - (2) Corrective actions, such as replacing or reseating bags, are initiated, when necessary.

D.3.5 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

D.3.6 Particulate Control [326 IAC 2-7-1(21)(G)(xxx)(DD)] [326 IAC 2-8-5(a)(4)]

- (a) In order to comply with Conditions D.3.1, D.3.2, D.3.3 and D.3.4, the baghouses (CE#1 and CE#2) for particulate control shall be in operation and control emissions from the insignificant woodworking operations at all times that the woodworking operations are 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 2-8-4] [326 IAC 2-8-5(a)(1)]

D.3.7 Baghouse Inspections [326 IAC 2-7-1(21)(G)(xxx)(FF)]

An inspection shall be performed each calendar quarter of all bags controlling the woodworking operation, 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.

D.3.8 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 B - Emergency Provisions).
- (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 B - Emergency Provisions).

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 Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.3.9 Record Keeping Requirements

- (a) To document compliance with Conditions D.3.4(c) and D.3.7, the Permittee shall maintain records of the results of the inspections required under Conditions D.3.4(c) and D.3.7.
- (b) To document compliance with Condition D.3.4(c), the Permittee shall maintain records of daily visible emission notations of the baghouse exhausts.
- (c) The Permittee shall maintain records of corrective actions to document compliance with condition D.3.4(c) and 326 IAC 2-7-1(21)(G)(xxx)(GG)(dd).
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.4

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

Insignificant Activities

- (e) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour:
- (1) Two (2) natural gas-fired heaters, identified as EU#523 and EU#524, both constructed in 1996, each with a maximum heat input capacity of 0.8 MMBtu/hr, and exhausting to stacks SV#11 and SV#12, respectively.
 - (2) One (1) natural gas-fired boiler, identified as EU#525, constructed in 1996, with a maximum heat input capacity of 0.8 MMBtu/hr, and exhausting to stack SV#13.
 - (3) One (1) natural gas-fired heater, identified as EU#536, constructed in 1997, with a maximum heat input capacity of 0.8 MMBtu/hr, and exhausting to stack SV#14.
 - (4) Two (2) natural gas-fired heaters identified as EU#620A and EU#628A, both constructed in 2000, each with a maximum heat input capacity of 1.296 MMBtu/hr, and exhausting to stacks SV#15 and SV#16, respectively.
 - (5) One (1) natural gas-fired heater, identified as EU#618A, constructed in 2000, with a maximum heat input capacity of 2.592 MMBtu/hr, and exhausting to stack SV#17.
 - (6) One (1) natural gas-fired boiler, identified as EU#656, constructed in 2000, with a maximum heat input capacity of 0.65 MMBtu/hr, and exhausting to stack SV#18.
 - (7) One (1) natural gas-fired heater identified as EU#660, constructed in 2000, with a maximum heat input capacity of 1.6 MMBtu/hr, and exhausting to stack SV#19.
 - (8) One (1) natural gas-fired air make-up unit, identified as EU#658, constructed in 2000, with a maximum heat input capacity of 0.185 MMBtu/hr, and exhausting to stack SV#20.
 - (9) Ten (10) natural gas-fired HVAC units, collectively identified as EU#636, all constructed in 2000, each with a maximum heat input capacity of 0.4 MMBtu/hr, and exhausting to stack SV#21.
 - (10) Two (2) natural gas-fired heaters, identified as EU#630 and EU#632, both constructed in 2000, each with a maximum heat input capacity of 0.12 million Btu per hour, and exhausting to stacks SV#22 and SV#23, respectively.
 - (11) One (1) natural gas-fired heater, identified as EU#634, constructed in 2000, with a maximum heat input capacity of 0.06 million Btu per hour each and exhausting to stack SV#24.
 - (12) One (1) natural gas fired flash off oven, identified as EU#628B, constructed in 2004, with a maximum heat input capacity of 1.0 MMBtu/hr, and exhausting to stack SV7B.

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

Facility Description [326 IAC 2-8-4(10)]: (Cont.)

Insignificant Activities

- (13) One (1) natural gas fired finish line oven, identified as EU#628C, constructed in 2004, with a maximum heat input capacity of 0.4 MMBtu/hr, and exhausting to stack SV7C.
- (14) One (1) natural gas fired air make-up unit, identified as EU#664, constructed in 2004, with a maximum heat input capacity of 2.9 MMBtu/hr, and exhausting to stack SV24A.
- (15) Two (2) natural gas fired HVAC units, identified as EU#668 and EU#670, constructed in 2004, each with a maximum heat input capacity of 0.2 MMBtu/hr, and exhausting to stacks SV#25 and SV#26, respectively.
- (16) One (1) natural gas fired HVAC unit, identified as EU#672, constructed in 2004, with a maximum heat input capacity of 0.04 MMBtu/hr, and exhausting to stack SV#27.
- (17) One (1) natural gas fired boiler, identified as EU#674, constructed in 2004, with a maximum heat input capacity of 0.6 MMBtu/hr, and exhausting to stack SV#28.
- (18) One (1) natural gas fired pump house heater, identified as EU#676, constructed in 2004, with a maximum heat input capacity of 0.185 MMBtu/hr, and exhausting to stack SV#29.

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

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

D.4.1 Particulate [326 IAC 6.5-1-2(b)(3)] [326 IAC 6.5-1-2(a)]

- (a) Pursuant to 326 IAC 6.5-1-2(b)(3), (Particulate Emission Limitations) the particulate matter (PM) emissions from natural gas-fired steam generators (boilers) shall be limited to 0.01 grain per dry standard cubic foot.
- (b) Pursuant to 326 IC 6.5-1-2(a), (Particulate Emission Limitations) the particulate matter (PM) emissions from natural gas-fired combustion units (heaters, ovens, air make-up units, and HVAC units) shall be limited to 0.03 grain per dry standard cubic foot.

SECTION D.5

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

Insignificant Activities

- (h) The following equipment related to manufacturing activities not resulting in emissions of HAPs; brazing equipment, cutting torches, soldering equipment, welding equipment.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.5.1 Particulate Emission Limitations [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from the insignificant brazing, cutting torches, and soldering and welding equipment shall not exceed 0.03 grains per dry standard cubic foot.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Indiana Laminate
Source Address: 1101 West 100 South, Jasper, Indiana 47546
Mailing Address: P.O. Box 270, Jasper, Indiana 47547
FESOP No.: 037-17854-00084

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

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

Source Name: Indiana Laminate
Source Address: 1101 West 100 South, Jasper, Indiana 47546
Mailing Address: P.O. Box 270, Jasper, Indiana 47547
FESOP No.: 037-17854-00084

This form consists of 2 pages

Page 1 of 2

- This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
 - The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16

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

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

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

Page 2 of 2

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

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Indiana Laminate
Source Address: 1101 West 100 South, Jasper, Indiana 47547-0270
Mailing Address: P.O. Box 270, Jasper, Indiana 47547
FESOP No.: F037-17854-00084
Facility: Spray Booths EU #618, EU #620, EU #622, and EU # 628
Parameter: VOC Input
Limit: Less than 90 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

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

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Indiana Laminate
 Source Address: 1101 West 100 South, Jasper, Indiana 47546
 Mailing Address: P.O. Box 270, Jasper, Indiana 47547
 FESOP No.: 037-17854-00084

Months: _____ to _____ Year: _____

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management

Office of Air Quality

Technical Support Document (TSD) for a Federally Enforceable State Operating Permit (FESOP) Renewal

Source Background and Description

Source Name:	Indiana Laminate
Source Location:	1101 West 100 South, Jasper, Indiana 47546
County:	Dubois
SIC Code:	2511
Operation Permit No.:	037-10198-00084
Operation Permit Issuance Date:	June 24, 1999
Permit Renewal No.:	037-17854-00084
Permit Reviewer:	ERG/ST

The Office of Air Quality (OAQ) has reviewed a FESOP renewal application from Indiana Laminate relating to the operation of a stationary wood furniture manufacturing facility.

Permitted Emission Units and Pollution Control Equipment

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

- (a) One (1) woodworking operation, identified as EU#539, constructed in 1997, with a maximum capacity of 9,414 pounds of plywood panels for office furniture per hour, with emissions controlled by one (1) baghouse CE#3, and exhausting to stack SV#9.
- (b) One (1) woodworking operation, identified as EU#600, constructed in 2000, with a maximum capacity of 4,224 pounds of plywood panels for office furniture per hour, with emissions controlled by one (1) baghouse CE#4, and exhausting to stack SV#1.
- (c) One (1) stain spray booth, identified as EU#618, constructed in 2000 and modified in 2004, spraying wood office furniture with a maximum coating usage of 2.44 gallons per hour, utilizing high volume, low pressure spray application method, with emissions controlled by dry filter, and exhausting to stack SV#2.
- (d) One (1) rim seal spray booth, identified as EU#620, constructed in 2000 and modified in 2004, spraying wood office furniture with a maximum coating usage of 0.31 gallons per hour, utilizing high volume, low pressure spray application method, with emissions controlled by dry filter, and exhausting to stack SV#3.
- (e) One (1) UV line spray booth, identified as EU#622, constructed in 2000 and modified in 2004, spraying wood office furniture with a maximum coating usage of 1.57 gallons per hour, utilizing high volume, low pressure spray application method, with emissions controlled by dry filter, and exhausting to stack SV#4.
- (f) One (1) spray booth, identified as EU#628, constructed in 2000 and modified in 2004, spraying wood office furniture with a maximum coating usage of 0.054 gallons per hour, utilizing high volume, low pressure spray application method, with emissions controlled by dry filter, and exhausting to stack SV#7.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted emission units operating at this source during this review process.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) One (1) hot press glue spreader system, identified as EU#526, constructed in 1996, with a maximum capacity of 3.33 plywood panels per hour, and exhausting to stack SV#5.
- (b) One (1) spray booth, identified as EU#527, constructed in 1996, spraying wood panels with a maximum of 0.964 pounds of powder glue/water mixture per hour, utilizing high volume, low pressure spray application method, with emissions controlled by dry filter, and exhausting to stack SV#6
- (c) One (1) woodworking operation, identified as EU#519, constructed in 1996, with a maximum capacity of 18,827 pounds of plywood panels for office furniture per hour, with emissions controlled by one (1) baghouse CE#1, and exhausting to stack SV#8. The exhaust air flow rate for this facility is less than 40,000 cubic feet per minute and the outlet grain loading is less than 0.01 grains per dry standard cubic feet of outlet air.
- (d) One (1) woodworking operation, identified as EU#538, constructed in 1997, with a maximum capacity of 9,414 pounds of plywood panels for office furniture per hour, with emissions controlled by one (1) baghouse CE#2, and exhausting to stack SV#10. The exhaust air flow rate for this facility is less than 40,000 cubic feet per minute and the outlet grain loading is less than 0.01 grains per dry standard cubic feet of outlet air.
- (e) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour:
 - (1) Two (2) natural gas-fired heaters, identified as EU#523 and EU#524, both constructed in 1996, each with a maximum heat input capacity of 0.8 MMBtu/hr, and exhausting to stacks SV#11 and SV#12, respectively.
 - (2) One (1) natural gas-fired boiler, identified as EU#525, constructed in 1996, with a maximum heat input capacity of 0.8 MMBtu/hr, and exhausting to stack SV#13.
 - (3) One (1) natural gas-fired heater, identified as EU#536, constructed in 1997, with a maximum heat input capacity of 0.8 MMBtu/hr, and exhausting to stack SV#14.
 - (4) Two (2) natural gas-fired heaters, identified as EU#620A and EU#628A, both constructed in 2000, each with a maximum heat input capacity of 1.296 MMBtu/hr, and exhausting to stacks SV#15 and SV#16, respectively.
 - (5) One (1) natural gas-fired heater, identified as EU#618A, constructed in 2000, with a maximum heat input capacity of 2.592 MMBtu/hr, and exhausting to stack SV#17.
 - (6) One (1) natural gas-fired boiler, identified as EU#656, constructed in 2000, with a maximum heat input capacity of 0.65 MMBtu/hr, and exhausting to stack SV#18.
 - (7) One (1) natural gas-fired heater, identified as EU#660, constructed in 2000, with a maximum heat input capacity of 1.6 MMBtu/hr, and exhausting to stack SV#19.
 - (8) One (1) natural gas-fired air make-up unit, identified as EU#658, constructed in 2000, with a maximum heat input capacity of 0.185 MMBtu/hr, and exhausting to stack SV#20.
 - (9) Ten (10) natural gas-fired HVAC units, collectively identified as EU#636, all constructed in 2000, each with a maximum heat input capacity of 0.4 MMBtu/hr, and exhausting to stack SV#21, respectively.

- (10) Two (2) natural gas-fired heaters, identified as EU#630 and EU#632, both constructed in 2000, each with a maximum heat input capacity of 0.12 million Btu per hour, and exhausting to stacks SV#22 and SV#23, respectively.
 - (11) One (1) natural gas-fired heater, identified as EU#634, constructed in 2000, with a maximum heat input capacity of 0.06 million Btu per hour each and exhausting to stack SV#24.
 - (12) One (1) natural gas fired flash off oven, identified as EU#628B, constructed in 2004, with a maximum heat input capacity of 1.0 MMBtu/hr, and exhausting to stack SV7B.
 - (13) One (1) natural gas fired finish line oven, identified as EU#628C, constructed in 2004, with a maximum heat input capacity of 0.4 MMBtu/hr, and exhausting to stack SV#7C.
 - (14) One (1) natural gas fired air make-up unit, identified as EU#664, constructed in 2004, with a maximum heat input capacity of 2.9 MMBtu/hr, and exhausting to stack SV24A.
 - (15) Two (2) natural gas fired HVAC units, identified as EU#668 and EU#670, constructed in 2004, each with a maximum heat input capacity of 0.2 MMBtu/hr, and exhausting to stacks SV#25 and SV#26, respectively.
 - (16) One (1) natural gas fired HVAC unit, identified as EU#672, constructed in 2004, with a maximum heat input capacity of 0.04 MMBtu/hr, and exhausting to stack SV#27.
 - (17) One (1) natural gas fired boiler, identified as EU#674, constructed in 2004, with a maximum heat input capacity of 0.6 MMBtu/hr, and exhausting to stack SV#28.
 - (18) One (1) natural gas fired pump house heater, identified as EU#676, constructed in 2004, with a maximum heat input capacity of 0.185 MMBtu/hr, and exhausting to stack SV#29.
- (f) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
 - (g) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 British Thermal Units per hour, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 British Thermal Units per hour.
 - (h) The following equipment related to manufacturing activities not resulting in emissions of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
 - (i) Water based adhesives that are less than or equal to 5% by volume of VOCs excluding HAPs.
 - (j) Paved and unpaved roads and parking lots with public access.
 - (k) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
 - (l) On-site fire and emergency response training approved by the department.
 - (m) Other activities or categories not previously identified:
 - (1) CL2370 Booth Coat used in the Veneer Spray Booth, identified as EU#527, emitting less than 3 lbs/hr or 15 lbs/day of VOC.

- (2) Two (2) above ground storage tanks constructed on March 8, 1996, identified as T#527 and T#528, each with a maximum capacity of 1900 gallons.

During the FESOP renewal process, the source requested IDEM change some of the identification numbers for emission units and stacks. The new emission unit ID numbers are used in this TSD and FESOP Renewal Permit 037-17854-00084. The following table shows the revisions to the identification numbers.

Description	Old Emission Unit ID	Old Control Device ID	Old Stack ID	New Emission Unit ID	New Control Device ID	New Stack ID
Woodworking	EU#17	CE#2	SV#7	EU#539	CE#3	SV#9
Woodworking	EU#600	CE#4	SV#600	EU#600	CE#4	SV#1
Spray Booth	EU#622	NA	SV#622	EU#622	NA	SV#4
Spray Booth	EU#618	NA	SV#618	EU#618	NA	SV#2
Spray Booth	EU#620	NA	SV#620	EU#620	NA	SV#3
Spray Booth	EU#628	NA	SV#628	EU#628	NA	SV#7
Spray Booth	EU#16	NA	SV#6	EU#527	NA	SV#6
Glue Spreader	EU#15	NA	SV#5	EU#526	NA	SV#5
Woodworking	EU#4	CE#1	SV#4	EU#519	CE#1	SV#8
Woodworking	EU#27	CE#3	SV#8	EU#538	CE#2	SV#10
Nat. Gas Heater	EU#1	NA	SV#1	EU#523	NA	SV#11
Nat. Gas Heater	EU#2	NA	SV#2	EU#524	NA	SV#12
Nat. Gas Boiler	EU#3	NA	SV#3	EU#525	NA	SV#13
Nat. Gas Heater	EU#42	NA	SV#9	EU#536	NA	SV#14
Nat. Gas Heater	NG#620	NA	SV#620a	EU#620A	NA	SV#15
Nat. Gas Heater	NG#628	NA	SV#628a	EU#628A	NA	SV#16
Nat. Gas Heater	NG#618	NA	SV#618a	EU#618A	NA	SV#17
Nat. Gas Boiler	NG#656	NA	SV#656	EU#656	NA	SV#18
Nat. Gas Oven	NG#660	NA	SV#660	EU#660	NA	SV#19
Nat. Gas AMU	NG#658	NA	SV#658	EU#658	NA	SV#20
Nat. Gas HVAC	NG#636 - NG#654	NA	SV#636 - SV#654	EU#636	NA	SV#21
Nat. Gas Heater	NG#630	NA	SV#630	EU#630	NA	SV#22
Nat. Gas Heater	NG#632	NA	SV#632	EU#632	NA	SV#23
Nat. Gas Heater	NG#634	NA	SV#634	EU#634	NA	SV#24
Nat. Gas Oven	#628B	NA	#7b	EU#628B	NA	SV#7B
Nat. Gas Oven	#628C	NA	#7c	EU#628C	NA	SV#7C
Nat. Gas AMU	#664	NA	#24	EU #664	NA	SV#24A
Nat. Gas HVAC	#668	NA	#25	EU #668	NA	SV#25
Nat. Gas HVAC	#670	NA	#26	EU #670	NA	SV#26
Nat. Gas HVAC	#672	NA	#27	EU #672	NA	SV#27
Nat. Gas Boiler	#674	NA	#28	EU #674	NA	SV#28
Nat. Gas Heater	#676	NA	#29	EU #676	NA	SV#29

Existing Approvals

The source has been operating under the previous FESOP F037-10198-00084, issued on June 24, 1999, with an expiration date of June 24, 2004, and the following revisions;

- (a) First Significant Permit Revision 037-12356-00084, issued November 20, 2000;
- (b) Reopening 037-13025-00084, issued January 22, 2002;
- (c) Second Significant Permit Revision 037-19684-00084, issued on November 15, 2004.

All conditions from previous approvals were incorporated into this FESOP.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

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

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

An administratively complete FESOP renewal application for the purposes of this review was received on August 19, 2003.

There was no notice of completeness letter mailed to the source.

Emission Calculations

See Appendix A of this document for detailed emission calculations (pages 1 through 4).

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source, excluding the emission limits that were contained in the previous FESOP.

Pollutant	Unrestricted Potential Emissions (tons/yr)
PM	2751
PM-10	2751
SO ₂	0.05
VOC	103
CO	7.6
NO _x	9.0

HAPs	Unrestricted Potential Emissions (tons/yr)
All HAPs	1.5
Total	1.5

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM10 and VOC are equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 2-7. The source will be issued a FESOP because the source will limit its emissions below the Title V levels.
- (b) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD applicability.

Potential to Emit After Issuance

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

Process/emission unit	Potential To Emit (tons/year)						
	PM	PM10	SO ₂	VOC	CO	NO _x	HAPs
Woodworking EU#519	39.4	13.1	-	-	-	-	-
Woodworking EU#539	54.1	21.2	-	-	-	-	-
Woodworking EU#538	39.4	13.1	-	-	-	-	-
Woodworking EU#600	68.7	21.2	-	-	-	-	-
Surface Coating EU#526	0.42	0.42	-	0.22	-	-	0.19
Surface Coating EU#527	11.3	11.3	-		-	-	
Surface Coating EU#618*	Less than 12.6	Less than 12.6	-	Less than 90.0	-	-	1.32 for total HAPs
Surface Coating EU#620*			-		-		
Surface Coating EU#622*			-		-		
Surface Coating EU#628*			-		-		
Boilers EU#s 525, 656 and 674	-	-	-	-	0.75	0.90	-
Space Heaters, Air Makeup Units, HVAC Units, Oven and Ovens	0.62	0.62	-	0.45	6.84	8.14	-
Total Emissions	226	93.6	-	Less than 91.0	7.59	9.04	1.51

*Emissions are negligible (less than 0.1 tons per year).

*PM emissions from the Surface Coating Operations are limited by conditions in this permit that render PSD not applicable.

PM emissions from the Woodworking Operations are limited by 326 IAC 6.5-1-2(a)

PM10 emissions from the Surface Coating Operations and Woodworking Operations are limited by FESOP conditions in this permit.

County Attainment Status

The source is located in Dubois County.

Pollutant	Status
PM10	Attainment
PM2.5	Nonattainment
SO ₂	Attainment
NO ₂	Attainment
1-hour Ozone	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) Dubois County has been classified as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. Until U.S. EPA adopts specific New Source Review rules for PM2.5 emissions, it has directed states to regulate PM10 emissions as surrogate for PM2.5 emissions pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability for the source section.
- (b) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Dubois County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (c) 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.

- (d) Fugitive Emissions
Since this type of operation is not in one of the 28 listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive PM and VOC emissions are not counted toward determination of PSD applicability.

Source Status

Existing Source PSD, Part 70, or FESOP Definition (emissions after controls, based on 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/yr)
PM	226
PM2.5	93.6
PM-10	93.6
SO ₂	0.06
VOC	91
CO	7.6
NO _x	9.0
Single HAP	0.3
Combination HAPs	1.5

This existing source is not a major stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or greater, no nonattainment regulated pollutant is emitted at a rate of 100 tons per year or greater, and it is not in one of the 28 listed source categories.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) included in this permit.
- (b) The requirements of the New Source Performance Standards for Fossil-Fuel-Fired Steam Generators,(326 IAC 12, 40 CFR 60, Subpart D) are not included in this permit for the natural gas-fired boilers (EU#525, EU#656 and EU#674). The maximum heat input of these boilers is less than 250 MMBtu/hr.
- (c) The requirements of the New Source Performance Standards for Electric Utility Steam Generating Units (326 IAC 12, 40 CFR 60, Subpart Da) are not included in this permit for the natural gas-fired boilers (EU#525, EU#656 and EU#674). These boilers are not electric utility steam generating units.
- (d) The requirements of the New Source Performance Standards for Industrial-Commercial-Institutional Steam Generating Units (326 IAC 12, 40 CFR 60, Subpart Db) are not included in this permit for the natural gas-fired boilers (EU#525, EU#656 and EU#674). These boilers have a heat input capacity less than 100 MMBtu/hr.
- (e) The requirements of the New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units (326 IAC 12, 40 CFR 60, Subpart Dc) are not included in this permit for the natural gas-fired boilers (EU#525, EU#656 and EU#674). These boilers have a maximum design heat input capacity less than 10 MMBtu/hr.
- (f) The requirements of the New Source Performance Standard for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (326 IAC 12, 40 CFR 60, Subpart Kb) are not included in this permit for the two (2) 1,900 gallon above ground storage tanks (identified as T#527 and T#528) because the storage tanks have a capacity less than 75 cubic meters (19,813 gallons).
- (g) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14 and 40 CFR Part 61 and 63) included in this permit.

- (h) The requirements of the National Emission Standards for Hazardous Air Pollutants for Wood Furniture Manufacturing (40 CFR 63, Subpart JJ) are not included in this permit because this source is not a major source of HAPs, as defined in 40 CFR 63.2. The potential to emit of a single HAP from the entire source is less than ten (10) tons per year and the potential to emit of a combination of HAPs from the entire source is less than twenty-five (25) tons per year.
- (i) The requirements of the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters (40 CFR 63, Subpart DDDDD) are not included in this permit for the natural gas fired boilers, (EU#525, EU#656 and EU#674) because this source is not a major source of HAPs, as defined in 40 CFR 63.2.

State Rule Applicability – Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration)

This source is not in one of the 28 source categories and there are no applicable NSPS promulgated prior to August 7, 1980. Therefore, fugitive emissions of PM and VOC are not counted towards applicability of PSD.

This source was constructed in 1996. At the time of construction, the PTE for all criteria pollutants was less than 250 tons per year.

In 1997, two (2) woodworking operations (identified as EU#539 and EU#538) were added. The potential to emit before controls for these two woodworking operations is 1,231 tons per year of PM and PM10. However, PM emissions from these woodworking operations were limited by 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2(a)) to a total of less than 93.5 tons per year and PM10 emissions from these woodworking operations were limited by FESOP conditions in permit 037-6259-00084, issued July 24, 1996, to a total of less than 68.6 tons per year. Baghouses to control PM and PM10 emissions were added at the time of construction and the permit requirements mandated the operation of the baghouses. The increase in potential to emit for PM and PM10 after controls for these two (2) woodworking operations was limited to less than 250 tons per year. This modification did not trigger PSD review because the increase in PM and PM10 was less than 250 tons per year. After this modification, the PTE after controls for all criteria pollutants for the entire source, considering all controls and limits, was less than 250 tons per year. The source remained a minor source under PSD after these modifications.

In December 2000, one (1) woodworking operation (identified as EU#600) and four (4) surface coating operations (identified as EU#618, EU#620, EU#622, and EU#628) were added to the source. The increase in the potential to emit of PM, PM10 and VOC before controls and limits due to this modification was 284 tons per year of PM, 284 tons per year of PM10 and 69.5 tons per year of VOC. However, PM emissions from the new woodworking operation were limited by 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2(a)) to less than 68.7 tons per year and PM10 emissions from the new surface coating operations were limited to a total of less than 12.6 tons per year by FESOP limits in SPR 037-12356-00036, issued November 20, 2000 and PM10 emissions from the new woodworking operation and surface coating operations were limited by FESOP conditions in the permit to a total of less than 33.7 tons per year. A baghouse to control PM and PM10 emissions from the woodworking operation was added at the time of construction and permit requirements mandated the operation of the baghouse. Permit requirements mandated the use of HVLP spay guns and dry filters to minimize and control PM and PM10 emissions from the surface coating operations. This modification did not trigger PSD review because the increase in potential to emit for PM, PM10 and VOC after limits and controls for the one (1) woodworking operation and four (4) surface coating operations added in 2000 was less than 250 tons per year. After this modification, the actual emissions of PM, PM10, VOC and all other criteria pollutants for the entire source, after controls and limits, was less than 250 tons per year. The source remained a minor source under PSD after these modifications.

In October 2004, the source modified surface coating booths EU#618, EU#620, EU#622 and EU#628. There was no increase in potential to emit of PM and PM10 due to this modification

because the PM and PM10 emissions from these facilities remained limited by limits first imposed on these facilities in SPR 037-12356-00084, issued on November 20, 2000. The increase in the potential to emit of VOC due to this modification was 32.5 tons per year. This modification did not trigger PSD review because the increase in potential to emit for PM, PM10 and VOC was less than 250 tons per year. After this modification, the actual emissions of PM, PM10, VOC and all other criteria pollutants for the entire source, after controls and limits, was less than 250 tons per year. The source remained a minor source under PSD after these modifications.

In SPR 037-19634-00084, issued November 15, 2004, the source accepted enforceable limits on emissions of PM from the surface coating booths in order to remain a PSD minor source. Those limits are as follows:

The Permittee shall limit PM emissions from the surface coating operations to the pound per hour emission rate shown in the following table:

Emissions Unit	PM Emission Rate (lbs/hr)	PM Emission Rate (tons/yr)
EU#618	0.468	2.05
EU#620	0.228	1.00
EU#622	1.95	8.54
EU#628	0.228	1.00

The dry filters shall be in operation at all times that the surface coating operations are in operation, in order to comply with this limit.

Compliance with this limit, combined with the limits on other emissions units at this source, will limit source-wide emissions of PM to less than 250 tons per twelve (12) month consecutive period and makes the source a minor source under Prevention of Significant Deterioration (PSD) for any future modifications. The PM10 limit is discussed under the FESOP requirements.

326 IAC 2-3 Emission Offset

Dubois County has been designated as non-attainment for PM 2.5 in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled "Implementation of New Source Review Requirements in PM2.5 Nonattainment Areas" authored by Steve Page, Director of OAQPS, until EPA promulgates the PM 2.5 major NSR regulations, states should assume that a major stationary source's PM10 emissions represent PM2.5 emissions. IDEM will use the PM10 nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM2.5 NAAQS. A major source in a nonattainment area as a source that emits or has the potential to emit 100 tpy of any regulated pollutant. Indiana Laminate has a limited potential to emit of PM10 below 100 tpy. Therefore, assuming that PM10 emissions represent PM2.5 emissions, 326 IAC 2-3 does not apply. This source is a minor source under Emission Offset.

326 IAC 2-4.1-1 (New Source Toxics Control)

This source made no modifications after July 27, 1997 that resulted in significant emissions of HAPs. The increase in potential to emit of HAPs due to the addition of spray booths EU#618, EU#620, EU#622, and EU#628 in 2000 were less than ten (10) tons per year for a single HAP and less than twenty-five tons per year for a combination of HAPs. The increase in potential to emit of HAPs due to the modification of spray booths EU#618, EU#620, EU#622, and EU#628 in 2004 was less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPS. Therefore, the requirements of 326 IAC 2-4.1 do not apply.

326 IAC 2-6 (Emission Reporting)

This source is located in Dubois County and is not required to operate under a Part 70 permit. Therefore, 326 IAC 2-6 does not apply.

326 IAC 2-8-4 (FESOP)

The unrestricted potential emissions of PM10 from the source exceed one hundred (100) tons per year. Pursuant to 326 IAC 2-8-4, and in order to limit the emissions of PM10 from the surface coating operations and woodworking operations to less than one-hundred (100) tons per year, the

Permittee shall limit PM10 emissions from the surface coating operations and woodworking operations to the pound per hour emission rate shown in the following table:

Emissions Unit	PM10 Emission Rate (lbs/hr)	PM10 Emission Rate (tons/yr)
EU#526	0.096	0.42
EU#527	2.57	11.3
EU#618	0.468	2.05
EU#620	0.228	1.00
EU#622	1.95	8.54
EU#628	0.228	1.00
EU#519	3.0	13.1
EU#539	4.85	21.2
EU#538	3.0	13.1
EU#600	4.85	21.2

The dry filters shall be in operation at all times that the surface coating operations are in operation, in order to comply with this limit. The baghouses for emissions control (CE#1, CE#2, CE#3 and CE#4) shall be in operation at all times that the respective woodworking operations that they control are in operation in order to comply with this limit.

In 2004, under SPR 037-19684-00084, the source increased the paint usage and production rate at the surface coating booths EU#618, EU#620, EU#622 and EU#628. This change increased the PTE for VOC for the entire source from less than 100 tons per year to greater than 100 tons per year. In order to maintain the FESOP status, the source agreed under Significant Permit Revision 037-19684-00084, issued on November 15, 2004, to limit the total VOC input to the surface coating booths (EU #618, EU #620, EU #622, and EU #628) to less than 90 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Combined with VOC emissions from other facilities at this source, the VOC emissions from the entire source were limited to less than 100 tons per year after this revision. The following condition is included in the permit:

- (a) Pursuant to SPR 037-19684-00084, issued on November 15, 2004 and 326 IAC 2-8-4, the total VOC input to spray booths EU #618, EU #620, EU #622, and EU #628, and their associated clean-up activities shall be limited to less than 90.0 tons per twelve (12) consecutive month period with compliance determined at the end of each month. Combined with the VOC emissions from other units, the VOC emissions from the entire source are limited to less than 100 tons/yr. Therefore, the requirements of 326 IAC 2-7 (Part 70 Program) are not applicable.

Data provided by the source in their FESOP renewal application shows that their current unrestricted potential to emit HAP is less than the Part 70 thresholds.

326 IAC 5-1 (Opacity Limitations)

The source is located in Bainbridge Township of Dubois County. Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in the permit:

- (a) Opacity shall not exceed an average of 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.

326 IAC 6-4 (Fugitive Dust Emissions)

Pursuant to 326 IAC 6-4, the source shall not generate fugitive dust to the extent that some portion of the material escapes beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located. A violation of this section would occur if air

crossing the downwind boundaries of the site were to contain fugitive dust concentrations greater than sixty-seven percent (67%) in excess of ambient upwind concentrations.

State Rule Applicability – Surface Coating Booths

326 IAC 6.5-1-2 (Particulate Emission Limitations)

The source is located in Dubois County and the PTE for particulate matter for the entire source exceeds 100 tons per year. This source is not specifically listed in 326 IAC 6.5-4. Pursuant to 326 IAC 6.5-1-2(a) (Particulate Emission Limitations), the allowable PM emission rate from each of the surface coating operations (EU#526, EU#527, EU#618, EU#620, EU#622 and EU#628), shall not exceed three-hundredths (0.03) grain per dry standard cubic foot. The allowable particulate emissions for each surface coating booth are as shown in the following table:

Emissions Unit	Flow Rate (acfm)	Allowable Emissions (lbs/hr)	Allowable Emissions (tons/yr)
EU#526	375	0.096	0.42
EU#527	10,000	2.57	11.3
EU#618	32,000	8.23	36.0
EU#620	16,000	4.11	18.0
EU#622	7,600	1.95	8.56
EU#628	16,000	4.11	18.0

The dry filters shall be in operation at all times that the surface coating operations are in operation, in order to comply with this limit. Emissions calculations (Appendix A, page 4) show that the surface coating operations are in compliance with the requirements of 326 IAC 6.5-1-2(a).

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

The surface coating operations are subject to a particulate matter limitation established in 326 IAC 6.5-1-2. Therefore, the requirements of 326 IAC 6-3 do not apply.

326 IAC 8-2-12 (Wood Furniture and Cabinet Coating)

Spray booths EU#618, EU#620, EU#622, and EU#628 were constructed after July 1, 1991 and are used to apply surface coatings to wood furniture. The potential to emit VOC for booth EU#628 is less than 15 pounds per day. Therefore, booth EU#628 is exempt from the requirements of 326 IAC 8-2, pursuant to 326 IAC 8-2-1(a)(4). The actual VOC emissions from the each of booths EU#618, EU#620, and EU#622 are greater than 15 pounds per day. Therefore, these booths are subject to the requirements of 326 IAC 8-2-12. Pursuant to 326 IAC 8-2-12, the surface coating applied to wood furniture and cabinets shall utilize one of the following application methods:

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

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

326 IAC 8-1-6 (New Facilities, General Reduction Requirement)

Although constructed after January 1, 1980, spray booths EU#618, EU#620, EU#622, and EU#628 are not subject to the requirements of 326 IAC 8-1-6 because they are used to apply coatings to wood furniture, an activity regulated by 326 IAC 8-2-12.

326 IAC 8-11 (Wood Furniture Coatings)

This source is not subject to the requirements of 326 IAC 8-11 because the source is located in Dubois County.

State Rule Applicability – Woodworking Operations (EU#539 and EU#600)

326 IAC 6.5-1-2 (Particulate Emission Limitations)

The source is located in Dubois County and the PTE for particulate matter for the entire source exceeds 100 tons per year. The source is not specifically listed in 326 IAC 6.5-4. Pursuant to 326 IAC 6.5-1-2(a) (Particulate Emission Limitations), the allowable PM emission rate from each of the significant woodworking operations (EU#539 and EU#600) shall not exceed three-hundredths (0.03) grain per dry standard cubic foot. This is equivalent to PM emission rates of 12.3 and 15.7 pounds per hour, respectively based on exhaust rate of 48,000 scfm and 61,000 scfm.

The baghouses (CE#3 and CE#4) shall be in operation at all times that the respective woodworking operations that they control are in operation, in order to comply with this limit.

The results of compliance testing performed after construction of the source shows that the emissions from the baghouses (CE#3 and CE#4) controlling the woodworking operations are 0.0034 and 0.0012 grains per dry standard cubic foot, respectively. Therefore, the source is in compliance with the limit.

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

The woodworking operations are subject to a particulate matter limitation established in 326 IAC 6.5-1-2. Therefore, the requirements of 326 IAC 6-3 do not apply.

State Rule Applicability – Insignificant Woodworking Operations (EU#519 and EU#538)

326 IAC 2-7-1(21)(xxx) (Woodworking Insignificant Activities)

The baghouses controlling particulate emissions from woodworking operations EU#519 and EU#538 do not exhaust to the atmosphere more than 40,000 cubic feet of air per minute and do not emit particulate matter with a diameter less than ten (10) microns (PM10) in excess of 0.01 grains per dry standard cubic foot of outlet air. Opacity from the baghouses shall not exceed 10%. The baghouses (CE#1 and CE#2) shall be in operation at all times that the respective insignificant woodworking operations that they control are in operation, in order to comply with this limit. The baghouses shall be inspected quarterly. Pursuant to 326 IAC 2-7-1(21)(xxx), these woodworking operations shall be considered insignificant activities.

326 IAC 6.5-1-2 (Particulate Emission Limitations)

The source is located in Dubois County and the PTE for particulate matter for the entire source exceeds 100 tons per year. Pursuant to 326 IAC 6.5-1-2(a) (Particulate Emission Limitations), the allowable PM emission rate from each of the insignificant woodworking operations (EU#519 and EU#538) shall not exceed three-hundredths (0.03) grain per dry standard cubic foot. This is equivalent to a PM/PM10 emission rate of 9.0 pounds per hour, each, for EU#519 and EU#538, based on an exhaust rate of 35,000 cubic feet per minute.

The baghouses (CE#1 and CE#2) shall be in operation at all times that the respective insignificant woodworking operations that they control are in operation, in order to comply with this limit.

The results of compliance testing performed after construction of the source shows that the emissions from the baghouses (CE#1 and CE#2) controlling the insignificant woodworking operations are 0.0094 and 0.0047 grains per dry standard cubic foot, respectively. The source is in compliance with the limit.

State Rule Applicability - Insignificant Brazing Equipment, Cutting Torches, Soldering Equipment and Welding Equipment

326 IAC 6.5-1-2 (Particulate Emission Limitations)

Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from each of the insignificant brazing equipment, cutting torches, soldering equipment and welding equipment shall not exceed three hundredths grain (0.03) per dry standard cubic foot.

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

The insignificant brazing equipment, cutting torches, soldering equipment and welding equipment are subject to a particulate matter limitation established in 326 IAC 6.5-1. Therefore, the requirements of 326 IAC 6-3-2 do not apply.

State Rule Applicability – Natural Gas-fired Boilers

326 IAC 6.5-1-2 (Particulate Emission Limitations),

Pursuant to 326 IAC 6.5-1-2(b)(3), (Particulate Emission Limitations), particulate matter (PM) emissions from the natural gas-fired boilers (EU#525, EU#656, and EU#674) shall be limited to 0.01 grain per dry standard cubic foot.

State Rule Applicability – Natural Gas-fired Heaters, Ovens, Air Make-up Units and HVAC Units

326 IC 6.5-1-2(a)(Particulate Emission Limitations)

Pursuant to 326 IC 6.5-1-2(a), (Particulate Emission Limitations) the particulate matter (PM) emissions from the natural gas-fired heaters, ovens, air make-up units, and HVAC units (EU#523, EU#524, EU#536, EU#620A, EU#628A, EU#618A, EU#660, EU#658, EU#636, EU#630, EU#632, EU#634, EU#628B, EU#628C, EU#664, EU#668, EU #670, EU #672, and EU #676) shall be limited to 0.03 grain per dry standard cubic foot.

Testing Requirements

The facilities at this source do not have testing requirements.

- (a) Woodworking Operations (EU#519, EU#538, EU#539 and EU#600)
The woodworking operations at this source do not have a testing requirement. The woodworking operations are required by Conditions in the Permit to use baghouses to control PM and PM10 emissions. Visible emission notations, quarterly inspection, and baghouse failure requirements have been added consistent with current compliance monitoring requirements for Title V woodworking sources. These monitoring requirements should be sufficient to ensure compliance with the particulate matter emission limitations specified in the Permit.
- (b) Surface Coating Operations (EU#526, EU#527, EU#618, EU#620, EU#622 and EU#628)
The surface coating operations do not have a testing requirement for PM, PM10 or VOC. The surface coating operations at this source do not have a testing requirement for PM or PM10 because each of these emissions units account for a small proportion of the total potential to emit for PM and PM10 from the source before controls. The Permittee is not required to perform compliance stack tests on the surface coating facilities for VOC emissions because there are no VOC control devices in operation and records must be kept of all VOCs used at the source.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

1. The surface coating booths (EU#526, EU#527, EU#618, EU#620, EU#622 and EU#628), have applicable compliance monitoring conditions as specified below:
 - (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the dry filters controlling emissions from surface coating booths EU#526, EU#527, EU#618, EU#620, EU#622 and EU#628. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth exhaust stacks 2, 3, 4, 5, 6, and 7a while the respective booths are in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.
 - (b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

These monitoring conditions are necessary because the dry filters for the surface coating booths must operate properly to ensure compliance with 326 IAC 5-1 (Opacity Limitations), 326 IAC 6.5-1-2 (Particulate Emission Limitations), and 326 IAC 2-8-4 (FESOP).

2. The woodworking operations (EU#519, EU#538, EU#539, and EU#600) have applicable compliance monitoring conditions as specified below:
 - (a) Daily visible emissions notations of the woodworking baghouse stack exhausts (CE#1, CE#2, CE#3 and CE#4) shall be performed during normal daylight operations, when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
 - (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
 - (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
 - (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.
- (f) An inspection shall be performed each calendar quarter of all bags controlling the woodworking operations, when exhausting 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.
- (g) 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 B - Emergency Provisions).
- (h) 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 B - Emergency Provisions).
- (i) 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.

These monitoring conditions are necessary because the baghouses for the woodworking operations must operate properly to ensure compliance with 326 IAC 5-1 (Opacity Limitations), 326 IAC 6.5-1-2 (Particulate Emission Limitations), and 326 IAC 2-8-4 (FESOP).

Conclusion

The operation of this stationary wood furniture manufacturing facility shall be subject to the conditions of the FESOP 037-17854-00084.

**Appendix A: Emission Calculations
Particulate Emissions - Woodworking Operations**

**Company Name: Indiana Laminate Plant
Address: 1101 West 100 South, Jasper, Indiana 47546
FESOP: F037-17854-00084
Reviewer: ERG/ST
Date: March 9, 2006**

1. PTE From Woodworking Operations

Unit ID	Control Device	Outlet Grain Loading (gr/dscf)	Maximum Air Flow Rate (scfm)	Control Efficiency (%)	PTE of PM/PM10 After Control (lbs/hr)	PTE of PM/PM10 After Control (tons/yr)	PTE of PM/PM10 Before Control (lbs/hr)	PTE of PM/PM10 Before Control (tons/yr)
EU#519	CE#1	0.0094	35,000	99%	2.82	12.4	282	1235
EU#539	CE#3	0.0034	48,000	99%	1.40	6.13	140	613
EU#538	CE#2	0.0047	35,000	99%	1.41	6.18	141	618
EU#600	CE#4	0.0012	61,000	99%	0.63	2.75	63	275
Total					6.26	27.4	626	2740

Assume all PM emissions equal PM10 emissions.

Methodology

PTE of PM/PM10 After Control (tons/yr) = Grain Loading (gr/dscf) x Max. Air Flow Rate (scfm) x 60 mins/hr x 1/7000 lb/gr x 8760 hr/yr x 1 ton/2000 lbs

PTE of PM/PM10 Before Control (tons/yr) = PTE of PM/PM10 After Control (tons/yr) / (1-Control Efficiency)

2. Compliance with 326 IAC 6.5-1-2 - Particulate Emissions Limitations

326 IAC 6.5-1-2 - Emissions Units EU#538 and EU#600 - Maximum Allowable Emissions = 0.03 grains per dry standard cubic foot

Emission Unit ID	Maximum Air Flow Rate (scfm)	Maximum Allowable Emissions (gr/dscf)	Measured Emissions After Controls (gr/dscf)	Maximum Allowable Emissions	
				(tons/yr)	(lbs/hr)
EU#519	35,000	0.03	0.0094	39.4	9.00
EU#539	48,000	0.03	0.0034	54.1	12.3
EU#538	35,000	0.03	0.0047	39.4	9.00
EU#600	61,000	0.03	0.0012	68.7	15.7

The baghouses must be in operation at all times that the woodworking operations are in operation in order to ensure compliance with 326 IAC 6.5-1-2 and 326 IAC 2-7-1(21)(xxx).

Appendix A: Emission Calculations
Combustion Emissions - Natural Gas-Fired Boilers

Company Name: Indiana Laminate Plant
Address: 1101 West 100 South, Jasper, Indiana 47546
FESOP: F037-17854-00084
Reviewer: ERG/ST
Date: March 9, 2006

Natural Gas-Fired Boilers		
Emissions Unit ID	Heat Input Capacity(MMBtu/hr)	Max. Potential Throughput (MMCF/yr)
EU#525	0.80	7.01
EU#656	0.65	5.69
EU#674	0.60	5.26

Pollutant Emission Factors (lbs/MMCF)						
PM*	PM10*	SO2	NOX**	CO	VOC	HAPs
7.6	7.6	0.6	100	84.0	5.5	0.09

Potential To Emit (tons/yr)							
Emissions Unit ID	PM	PM10	SO2	NOX	CO	VOC	HAPs
EU#525	0.03	0.03	0.00	0.35	0.29	0.02	3.0E-04
EU#656	0.02	0.02	0.00	0.28	0.24	0.02	2.5E-04
EU#674	0.02	0.02	0.00	0.26	0.22	0.01	2.3E-04

* PM and PM10 emission factor are for condensable and filterable PM and PM10 combined.

**Emission Factors for NOx: Uncontrolled = 100

Emission Factors from AP-42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3 and 1.4-4. SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03. (AP-42 Supplement D 7/98)

All Emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF - 1,000,000 Cubic Feet of Gas

1000 Btu per cubic foot of natural gas

Methodology

Max. Potential Throughput (MMCF/yr) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000,000 cubic feet gas x 1 cubic feet gas/1,000 Btu x 1,000,000 Btu/MMBtu.

PTE for PM, PM10, NOX, SO2, CO, VOC and HAPs (tons/yr) = Max. Potential Throughput (MMCF/yr) x Emission Factor (lb/MMCF) x 1/2,000 (ton/lb)

Total HAP emissions from the natural gas boiler are negligible.

Appendix A: Emission Calculations
Combustion Emissions from the Natural Gas-fired Space Heaters, Air Makeup Units and HVAC Units

Company Name: Indiana Laminate Plant
Address: 1101 West 100 South, Jasper, Indiana 47546
FESOP: F037-17854-00084
Reviewer: ERG/ST
Date: March 9, 2006

Description	Heat Input Capacity (MMBtu/hr)	Max. Potential Throughput (MMCF/yr)
Eleven (11) Gas-fired Heaters	9.67	84.7
Two (2) Gas-fired Air Make-up Units	3.1	27.0
Thirteen (13) Gas-fired HVAC Units	4.44	38.9
One (1) Flash-off Oven	1.00	8.76
One (1) Finish Line Oven	0.4	3.50

Pollutant Emission Factors (lbs/MMCF)						
PM*	PM10*	SO ₂	NO _x **	CO	VOC	HAPs
7.6	7.6	0.6	100	84.0	5.5	0.09

Description	Potential To Emit (tons/yr)						
	PM	PM10	SO ₂	NO _x	CO	VOC	HAPs
Eleven (11) Gas-fired Heaters	0.32	0.32	0.025	4.24	3.56	0.23	0.0037
Two (2) Gas-fired Air Make-up Units	0.10	0.10	0.008	1.35	1.14	0.07	0.0012
Thirteen (13) Gas-fired HVAC Units	0.15	0.15	0.012	1.94	1.63	0.11	0.0017
One (1) Flash-off Oven	0.03	0.03	0.003	0.44	0.37	0.02	0.0004
One (1) Finish Line Oven	0.01	0.01	0.001	0.18	0.15	0.01	0.0002
Totals	0.62	0.62	0.049	8.14	6.84	0.45	0.0071

*PM and PM10 emission factor are for condensable and filterable PM and PM10 combined.

**Emission Factors for NO_x: Uncontrolled = 100

Emission Factors from AP-42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3 and 1.4-4. SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03. (AP-42 Supplement D 7/98)

All Emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF - 1,000,000 Cubic Feet of Gas

Methodology

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

PTE (tons/yr) = Max. Potential Throughput (MMCF/yr) x Emission Factor (lb/MMCF) x 1 ton/2,000 lbs

Total HAP emissions from the space heaters are negligible.

Appendix A: Emission Calculations
VOC, HAP and PM Emissions: Spray Coating Booths

Company Name: Indiana Laminate Plant
 Address: 1101 West 100 South, Jasper, Indiana 47546
 FESOP: F037-17854-00084
 Reviewer: ERG/ST
 Date: March 9, 2006

								Potential to Emit (tons/yr)			
								VOC		PM/PM10	
Emissions Unit ID	Worst Case Coating (VOC)	Density (Lb/Gal)	Weight % Water	Weight % VOC	Weight % Solids	Application Rate (gal/unit)	Throughput (unit/hour)	PTE VOC (lbs/hr)	PTE VOC (tons/yr)	PTE PM/PM10 Before Controls (tons/yr)	PTE PM/PM10 After Controls (tons/yr)
EU#526, EU#527	Splyset Powder/H ₂ O mix	7.90	75.0%	0.00%	25.0%	0.2895	3.3	0.00	0.00	2.92	0.58
EU#618	RM Wipe Stain	7.60	14.0%	79.5%	6.50%	0.2030	12	14.7	64.5	1.84	0.37
EU#620	Vinyl Chemiseal	7.51	21.0%	51.8%	27.2%	0.0262	12	1.22	5.36	0.98	0.20
EU#622	UV Spray	7.91	10.0%	56.6%	33.4%	0.1313	12	7.1	30.9	6.38	1.28
EU#628	Danspeed Elite	8.02	0.00%	57.6%	42.4%	0.0362	1.5	0.25	1.10	0.28	0.06
PTE Totals (tons/yr) (worst case)**									102	10.6	2.11

Assume all PM = PM10

Assume transfer efficiency of 65% for HVLP spray guns and control efficiency of 80% for dry filters.

Assume all VOC volatilizes and is emitted.

** For each emissions unit (spray coating booth), the material responsible for the worst case emissions of VOC and PM are not the same. For each emissions category (VOC and PM), only the emissions from the worst case material used in each spray coating booth are counted towards total PTE.

METHODOLOGY

PTE VOC (tons/yr) = Density (lbs/gal) x Weight % VOC x Application rate (gal/unit) x Throughput (units/hr) x 8760 (hr/yr) x 1/2000 (ton/lbs)

PTE PM/PM10 Before Controls (tons/yr) = Density (lbs/gal) x Weight % Solids x Application rate (gal/unit) x Throughput (units/hr) x 8760 (hr/yr) x 1/2000 (ton/lbs) x (1-Transfer Efficiency %)

PTE PM/PM10 After Controls (tons/yr) = PTE PM/PM10 Before Controls (tons/yr) x (1- Control Efficiency %)

PTE Total (tons/yr) = Worst Coating for VOC or PM/PM10 for each booth (tons/yr) + Sum of all solvents used (tons/yr)

2. Compliance with 326 IAC 6.5-1-2(a) for Spray Coating Booths

Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions shall not exceed 0.03 grains per dry standard cubic foot.

Emissions Unit	Flow Rate (acfm)	Allowable Emissions (lbs/hr)	Allowable Emissions (tons/yr)	Emissions After Controls (lbs/hr)	Emissions After Controls (tons/yr)
EU#526	375	0.096	0.42	0.133	0.58
EU#527	10,000	2.57	11.3	0.133	0.58
EU#618	32,000	8.23	36.0	0.084	0.37
EU#620	16,000	4.11	18.0	0.045	0.20
EU#622	7,600	1.95	8.56	0.291	1.28
EU#628	16,000	4.11	18.0	0.013	0.06

The spray coating booths are in compliance with 326 IAC 6.5-1-2(a)

Appendix A: Emission Calculations
HAP Emissions From Spray Booths EU #618, EU #620, EU #622, EU #628

Company Name: Indiana Laminate
Address: 1101 W. 100 S., Jasper, IN 47546
FESOP: 037-17854-00084
Reviewer: ERG/ST
Date: March 9, 2006

Unit	*Coating	Density (lbs/gal)	Maximum Throughput (unit/hr)	Maximum Usage (gal/unit)	Weight % Toluene	Weight % Vinyl Acetate	Weight % MEK	Weight % Ethylbenzene	Weight % m-Xylene	Weight % n-Xylene	Weight % Formaldehyde	Weight % Xylene	Weight % Methanol
#618	Booth Coating	7.61	12.0	0.000078	13.5%	2.41%	49.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
#620	Vinly Chemseal	7.51	12.0	0.026200	0.00%	0.00%	0.00%	2.15%	3.00%	3.00%	0.55%	0.00%	0.00%
#628	Danspeed Elite	8.02	1.50	0.036200	1.50%	0.00%	0.00%	3.11%	0.00%	0.00%	0.07%	13.2%	3.00%
					PTE of Toluene (tons/yr)	PTE of Vinyl Acetate (tons/yr)	PTE of MEK (tons/yr)	PTE of Ethylbenzene (tons/yr)	PTE of m-Xylene (tons/yr)	PTE of n-Xylene (tons/yr)	PTE of Formaldehyde (tons/yr)	PTE of Xylene (tons/yr)	PTE of Methanol (tons/yr)
#618	Booth Coating	same as above			0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
#620	Vinly Chemseal	same as above			0.00	0.00	0.00	0.22	0.31	0.31	0.06	0.00	0.00
#628	Danspeed Elite	same as above			0.03	0.00	0.00	0.06	0.00	0.00	0.00	0.25	0.06
Totals					0.03	0.00	0.02	0.28	0.31	0.31	0.06	0.25	0.06

* This is the worst case coating that has the highest HAP emissions. The booth coating used in booth #618 is applied to the booth walls to make it easy to clean. The booth coating usage is lower than the coating used for the products. The coatings applied to the products in booth #618 and the coatings used in booth #622 do not contain any regulated HAPs. Assume all HAP is emitted.

METHODOLOGY

PTE of HAP (tons/yr) = Density (lbs/gal) x Max. Throughput (unit/hr) x Max. Usage (gal/unit) x Weight % HAP x 8760 hr/yr x 1 ton/2000 lbs