



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: May 18, 2011

RE: Bison Coach LLC / 085-29906-00095

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

Notice of Decision: Approval - Effective Immediately

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

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

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

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

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

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

Enclosures
FNPER.dot12/03/07



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Minor Source Operating Permit Renewal OFFICE OF AIR QUALITY

**Bison Coach LLC
804 South Higbee (SR15)
Milford, Indiana 46542**

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

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

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

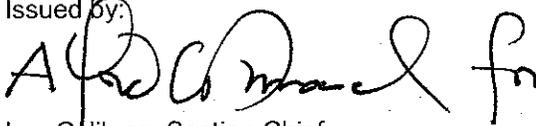
Operation Permit No.: M085-29906-00095	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: May 18, 2011 Expiration Date: May 18, 2021

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary livestock trailer superstructure manufacturing plant.

Source Address:	804 South Higbee (SR15), Milford, Indiana 46542
General Source Phone Number:	(574) 862-7211
SIC Code:	3715
County Location:	Kosciusko
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary

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

- (a) One (1) paint booth operation, identified as PB1, constructed in 2003, with a maximum capacity of 0.60 metal horse trailers per hour, equipped with high volume low pressure (HVLP) spray guns and dry filters for particulate control, exhausting to stacks Paint SV1 and Paint SV2.
- (b) One (1) trim/assembly operation, identified as Assembly 1, constructed in 2003, with a maximum capacity of 0.60 metal horse trailers per hour using wipe and airless spray for application, using no control and exhausting inside the building.
- (c) One (1) living quarters assembly operation, identified as LQ1, constructed in 2003, with a maximum capacity of 0.60 metal horse trailers per hour, using wipe, spray cans and extrusion for application, using no controls and exhausting inside the building.
- (d) One (1) undercoating operation, identified as Undercoating 1, constructed in 2006, with a maximum capacity of 0.60 metal horse trailers per hour using air assisted pump, where the coating does not reach an aerosolized state, using no controls and exhausting inside the building.
- (e) One (1) metal cutting operation using cutting coolant, identified as Metal 1, constructed in 2003, with a maximum capacity of 500 pounds of metal per trailer, using no controls and exhausting inside the building.
- (f) One (1) woodworking operation, identified as woodworking, constructed in 2003, with a maximum capacity of 5,063 pounds per hour, using no controls and exhausting inside the building.
- (g) One (1) gasoline storage tank, identified as Gas Tank 1, constructed in 2003, with a capacity of 250 gallons.

- (h) One (1) #2 distillate fuel oil storage tank, identified as Diesel Tank 1, constructed in 2003, with a capacity of 250 gallons.
- (i) One (1) welding operation, identified as MIG Welding, constructed in 2003, consisting of fifteen (15) metal inert gas (MIG) welding stations, with a maximum capacity of 30.0 pounds of wire per hour total, exhausting inside the building.
- (j) One (1) welding operation, identified as TIG Welding, constructed in 2005, consisting of four (4) tungsten inert gas (TIG) welding stations, with a maximum capacity of 0.41 pounds of wire per hour total, exhausting inside the building.
- (k) One (1) natural gas-fired paint booth air make-up unit, identified as PA1, constructed in 2003, rated at 3.888 MMBtu/hr, exhausting to stack Paint SV1 and Paint SV2,.
- (l) Twenty (20) natural gas-fired space heaters, constructed in 2003, rated at 0.075 million MMBtu/hr, each.
- (m) One (1) natural gas-fired power washer, identified as Power Washer 1, constructed in 2003, rated at 0.44 MMBtu/hr.
- (n) One (1) natural gas-fired office air make-up unit, identified as Air Make-Up, constructed in 2003, rated at 0.15 MMBtu/hr, exhausting inside the building.

SECTION B GENERAL CONDITIONS

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

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

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

- (a) This permit, M085-29906-00095, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

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

B.4 Enforceability

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

B.5 Severability

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

B.6 Property Rights or Exclusive Privilege

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

B.7 Duty to Provide Information

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

B.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

B.9 Preventive Maintenance Plan [326 IAC 1-6-3]

- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:
 - (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.

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

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

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

The Permittee shall implement the PMPs.

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

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

- (a) All terms and conditions of permits established prior to M085-29906-00095 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

B.11 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least one hundred twenty (120) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

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

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
 - (1) Submitted at least one hundred twenty (120) days prior to the date of the expiration of this permit; and

- (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.13 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

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

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.14 Source Modification Requirement

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

B.15 Inspection and Entry
[326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

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

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

- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

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

- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

B.17 Annual Fee Payment [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ,.
- (b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.18 Credible Evidence [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Permit Revocation [326 IAC 2-1.1-9]

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

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

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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

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

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

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project.

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

- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

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

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

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

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

no later than thirty-five (35) days prior to the intended test date.
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps

C.12 Response to Excursions or Exceedances

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

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

- (e) The Permittee shall record the reasonable response steps taken.

C.13 Actions Related to Noncompliance Demonstrated by a Stack Test

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

C.14 Malfunctions Report [326 IAC 1-6-2]

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

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.15 General Record Keeping Requirements [326 IAC 2-6.1-5]

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

permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.16 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

- (a) Reports required by conditions in Section D of this permit shall be submitted to:
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

SECTION D.1 EMISSIONS UNITS OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) paint booth operation, identified as PB1, constructed in 2003, with a maximum capacity of 0.60 metal horse trailers per hour, equipped with high volume low pressure (HVLP) spray guns and dry filters for particulate control, exhausting to stacks Paint SV1 and Paint SV2.
- (b) One (1) trim/assembly operation, identified as Assembly 1, constructed in 2003, with a maximum capacity of 0.60 metal horse trailers per hour using wipe and airless spray for application, using no control and exhausting inside the building.
- (c) One (1) living quarters assembly operation, identified as LQ1, constructed in 2003, with a maximum capacity of 0.60 metal horse trailers per hour, using wipe, spray cans and extrusion for application, using no controls and exhausting inside the building.
- (d) One (1) undercoating operation, identified as Undercoating 1, constructed in 2006, with a maximum capacity of 0.60 metal horse trailers per hour using air assisted pump, where the coating does not reach an aerosolized state, using no controls and exhausting inside the building.

(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 6.1 5(a)(1)]

D.1.1 Volatile Organic Compounds (VOC) Limitations [326 IAC 8-2-9]

- (a) Pursuant to 326 IAC 8-2-9, the owner or operator shall not allow the discharge into the atmosphere VOC in excess of three and five-tenths (3.5) pounds of VOC per gallon of coating, excluding water, as delivered to the applicators at each of the one (1) paint booth, identified as PB1, the one (1) trim/assembly operation, identified as Assembly 1, and the one (1) living quarters assembly operation, identified as LQ1.
- (b) Pursuant to 326 IAC 8-2-9(f), work practices shall be used to minimize VOC emissions from mixing operations, storage tanks, and other containers, and handling operations for coatings, thinners, cleaning materials, and waste materials. Work practices shall include, but not limited to, the following:
 - (1) Store all VOC containing coatings, thinners, coating related waste, and cleaning materials in closed containers.
 - (2) Ensure that mixing and storage containers used for VOC containing coatings, thinners, coating related waste, and cleaning materials are kept closed at all times except when depositing or removing these materials.
 - (3) Minimize spills of VOC containing coatings, thinners, coating related waste, and cleaning materials.
 - (4) Convey VOC containing coatings, thinners, coating related waste, and cleaning materials from one (1) location to another in closed containers or pipes.
 - (5) Minimize VOC emissions from the cleaning application, storage, mixing, and conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.

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

- (a) Particulate from the one (1) paint booth operation, identified as PB1, shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.
- (b) If overspray is visibly detected at the exhaust or accumulates on the ground, the Permittee shall inspect the control device and do either of the following no later than four (4) hours after such observation:
 - (1) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
 - (2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
- (c) If overspray is visibly detected, the Permittee shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

D.1.3 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for the one (1) paint booth operation, identified as PB1, and its control device. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.1.4 Volatile Organic Compounds (VOC) [326 IAC 8-1-2]

Compliance with the VOC content limit in Condition D.1.1 shall be determined pursuant to 326 IAC 8-1-2(a)(7), using a volume weighted average of coatings on each of the one (1) paint booth, identified as PB1, the one (1) trim/assembly operation, identified as Assembly 1, and the one (1) living quarters assembly operation, identified as LQ1, on a daily basis. This volume weighted average shall be determined by the following equation:

$$A = [\sum (c) \times U] / \sum U$$

Where: A is the volume weighted average in pounds VOC per gallon less water as applied;
C is the VOC content of the coating in pounds VOC per gallon less water as applied;
and U is the usage rate of the coating in gallons per day.

Note: The daily volume weighted average of the coatings used is determined for each booth or operation.

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

D.1.5 Record Keeping Requirements

- (a) To document the compliance status with Conditions D.1.1 and D.1.4, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC content limit established in Condition D.1.1.
 - (1) The VOC content of each coating material and solvent used less water.
 - (2) The amount of coating material and solvent used on daily basis.

- (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvent.
- (3) The volume weighted average VOC content of the coatings used for each day;
 - (4) The daily cleanup solvent usage;
- (b) To document the compliance status with Condition D.1.2, the Permittee shall maintain records in accordance with Condition D.1.2.
 - (c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (e) One (1) metal cutting operation using cutting coolant, identified as Metal 1, constructed in 2003, with a maximum capacity of 500 pounds of metal per trailer, using no controls and exhausting inside the building.
- (f) One (1) woodworking operation, identified as woodworking, constructed in 2003, with a maximum capacity of 5,063 pounds per hour, using no controls and exhausting inside the building.
- (g) One (1) gasoline storage tank, identified as Gas Tank 1, constructed in 2003, with a capacity of 250 gallons.
- (h) One (1) #2 distillate fuel oil storage tank, identified as Diesel Tank 1, constructed in 2003, with a capacity of 250 gallons.
- (i) One (1) welding operation, identified as MIG Welding, constructed in 2003, consisting of fifteen (15) metal inert gas (MIG) welding stations, with a maximum capacity of 30.0 pounds of wire per hour total, exhausting inside the building.
- (j) One (1) welding operation, identified as TIG Welding, constructed in 2005, consisting of four (4) tungsten inert gas (TIG) welding stations, with a maximum capacity of 0.41 pounds of wire per hour total, exhausting inside the building.
- (k) One (1) natural gas-fired paint booth air make-up unit, identified as PA1, constructed in 2003, rated at 3.888 MMBtu/hr, exhausting to stack Paint SV1 and Paint SV2,.
- (l) Twenty (20) natural gas-fired space heaters, constructed in 2003, rated at 0.075 million MMBtu/hr, each.
- (m) One (1) natural gas-fired power washer, identified as Power Washer 1, constructed in 2003, rated at 0.44 MMBtu/hr.
- (n) One (1) natural gas-fired office air make-up unit, identified as Air Make-Up, constructed in 2003, rated at 0.15 MMBtu/hr, exhausting inside the building.

(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 6.1 5(a)(1)]

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

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the one (1) woodworking operation shall not exceed 7.63 pounds per hour when operating at a process weight rate of 5,063 pounds per hour.

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

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

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

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

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

**MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION**

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

Company Name:	Bison Coach LLC
Address:	804 South Higbee (SR15)
City:	Milford, Indiana 46542
Phone #:	(574) 862-7211
MSOP #:	M085-29906-00095

I hereby certify that Bison Coach LLC is :

still in operation.

no longer in operation.

I hereby certify that Bison Coach LLC is :

in compliance with the requirements of MSOP M085-29906-00095.

not in compliance with the requirements of MSOP M085-29906-00095.

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

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

Noncompliance:

MALFUNCTION REPORT
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FAX NUMBER: (317) 233-6865

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

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

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

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

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

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

DATE/TIME MALFUNCTION STARTED: ____/____/20____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE ____/____/20____ _____ AM/PM

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

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

MEASURES TAKEN TO MINIMIZE EMISSIONS: _____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

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

MALFUNCTION REPORTED BY: _____ TITLE: _____
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: _____ DATE: _____ TIME: _____

*SEE PAGE 2

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

326 IAC 1-6-1 Applicability of rule

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

326 IAC 1-2-39 "Malfunction" definition

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

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

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

Indiana Department of Environmental Management
Office of Air Quality

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

Source Background and Description

Source Name:	Bison Coach, LLC
Source Location:	804 South Higbee St. (SR 15), Milford, Indiana 46542
County:	Kosciusko
SIC Code:	3715 and 3799
Operation Permit No.:	MSOP 085-29906-00095
Permit Reviewer:	Bruce Farrar

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Bison Coach, LLC relating to the operation of a livestock trailer superstructure manufacturer. On November 19, 2010, Bison Coach, LLC submitted an application to the OAQ requesting to renew its operating permit. Bison Coach, LLC was issued a Minor Source Operating Permit (M085-20809-00095) on March 21, 2006

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units:

- (a) One (1) paint booth operation, identified as PB1, constructed in 2003, with a maximum capacity of 0.60 metal horse trailers per hour, equipped with high volume low pressure (HVLP) spray guns and dry filters for particulate control, exhausting to stacks Paint SV1 and Paint SV2.
- (b) One (1) trim/assembly operation, identified as Assembly 1, constructed in 2003, with a maximum capacity of 0.60 metal horse trailers per hour using wipe and airless spray for application, using no control and exhausting inside the building.
- (c) One (1) living quarters assembly operation, identified as LQ1, constructed in 2003, with a maximum capacity of 0.60 metal horse trailers per hour, using wipe, spray cans and extrusion for application, using no controls and exhausting inside the building.
- (d) One (1) undercoating operation, identified as Undercoating 1, constructed in 2006, with a maximum capacity of 0.60 metal horse trailers per hour using air assisted pump, where the coating does not reach an aerosolized state, using no controls and exhausting inside the building.
- (e) One (1) metal cutting operation using cutting coolant, identified as Metal 1, constructed in 2003, with a maximum capacity of 500 pounds of metal per trailer, using no controls and exhausting inside the building.
- (f) One (1) woodworking operation, identified as woodworking, constructed in 2003, with a maximum capacity of 5,063 pounds per hour, using no controls and exhausting inside the building.
- (g) One (1) gasoline storage tank, identified as Gas Tank 1, constructed in 2003, with a capacity of 250 gallons.

- (h) One (1) #2 distillate fuel oil storage tank, identified as Diesel Tank 1, constructed in 2003, with a capacity of 250 gallons.
- (i) One (1) welding operation, identified as MIG Welding, constructed in 2003, consisting of fifteen (15) metal inert gas (MIG) welding stations, with a maximum capacity of 30.0 pounds of wire per hour total, exhausting inside the building.
- (j) One (1) welding operation, identified as TIG Welding, constructed in 2005, consisting of four (4) tungsten inert gas (TIG) welding stations, with a maximum capacity of 0.41 pounds of wire per hour total, exhausting inside the building.
- (k) One (1) natural gas-fired paint booth air make-up unit, identified as PA1, constructed in 2003, rated at 3.888 MMBtu/hr, exhausting to stack Paint SV1 and Paint SV2,.
- (l) Twenty (20) natural gas-fired space heaters, constructed in 2003, rated at 0.075 million MMBtu/hr, each.
- (m) One (1) natural gas-fired power washer, identified as Power Washer 1, constructed in 2003, rated at 0.44 MMBtu/hr.
- (n) One (1) natural gas-fired office air make-up unit, identified as Air Make-Up, constructed in 2003, rated at 0.15 MMBtu/hr, exhausting inside the building.

Existing Approvals

Since the issuance of the MSOP (085-20809-00095) on March 21, 2010, the source has constructed or has been operating under the following Notice Only Change No. 085-28033-00095 issued on June 18, 2009.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the State Implementation Plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

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

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

The calculations submitted by the applicant have been verified and found to be accurate and correct. These calculations are provided in Appendix A of this document.

County Attainment Status

The source is located in Kosciusko County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment as of June 15, 2004, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM _{2.5} .	

(a) Ozone Standards

Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Kosciusko County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) PM_{2.5}

Kosciusko County has been classified as attainment for PM_{2.5}. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions. These rules became effective on July 15, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM₁₀ emissions as a surrogate for PM_{2.5} emissions until 326 IAC 2-2 is revised.

(c) Other Criteria Pollutants

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

Fugitive Emissions

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

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Unrestricted Potential Emissions	
Pollutant	Tons/year
PM	43.27
PM ₁₀	43.42
PM _{2.5}	43.42
SO ₂	0.016
VOC	74.5
CO	2.20
NO _x	2.62
Single HAP	<10
Total HAP	<25

HAPs	tons/year
Xylene	6.83
Toluene	5.55
MDI	1.60
Ethyl Benzene	0.64
Total	14.64

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

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all regulated pollutants is less than 100 tons per year. However, (pollutant) is equal to or greater than twenty-five (25) tons per year. The source is not subject to the provisions of 326 IAC 2-7. Therefore, the source will be issued an MSOP Renewal.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, the source will be issued an MSOP Renewal.

Federal Rule Applicability

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

NSPS

- (b) The requirements of the New Source Performance Standards (NSPS) for Volatile Organic Liquid Storage Vessels (40 CFR 60.110b - 60.117b, Subpart Kb) (326 IAC 12) are not included in this permit, because this source does not have storage tanks with a capacity greater than or equal to 75 cubic meters (19,813 gallons).

NESHAP

- (c) The requirements of the National Emission Standards for Halogenated Solvent Cleaning (40 CFR 63.560, Subpart T), are not included in this permit because the natural gas fired power washer does not use any halogenated solvents.
- (d) The requirements of the Standards of Performance for Automobile and Light Duty Truck Surface Coating Operations (40 CFR 60.390 Subpart MM (2M)), are not included in this permit, because this source's is not an automobile or light-duty truck assembly plant.
- (e) The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63.3880, Subpart MMMM (4M)) are not included in this permit, because this source is not a major source for HAPs.
- (f) The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products (40 CFR 63.4480 Subpart PPPP (4P)) are not included in this permit because the source is not a major source of Hazardous Air Pollutants (HAPs).
- (g) The requirements of the National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities (40 CFR 63, Subpart CCCCCC), are not included in this permit, because the source does not operate a gasoline dispensing facility.
- (h) The requirements of the National Emission Standards for Hazardous Air Pollutants for Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, (40 CFR 63.11169, Subpart HHHHHH (6H)), are not included in this permit, because the source does not operate a paint stripping operation, autobody refinishing operation, or a spray application of coatings containing compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd).
- (i) The requirements of the National Emission Standards for Hazardous Air Pollutants for Area Source Standards for Nine Metal Fabrication and Finishing Source Categories (40 CFR 63, Subpart XXXXXX (6X)), are not included in this permit, because this source's SIC is not listed.

State Rule Applicability - Entire Source

- (a) 326 IAC 1-6-3 (Preventive Maintenance Plan)
The source is subject to 326 IAC 1-6-3.
- (b) 326 IAC 2-6 (Emission Reporting)
This source is not subject to 326 IAC 2-6 (Emission Reporting) because it is not required to have an operating permit pursuant to 326 IAC 2-7 (Part 70); it is not located in Lake, Porter, or LaPorte County, and its potential to emit lead is less than 5 tons per year. Therefore, this rule does not apply.
- (c) 326 IAC 5-1 (Opacity Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in the permit:
 - (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

- (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (d) 326 IAC 6.5 PM Limitations Except Lake County
This source is not subject to 326 IAC 6.5 because it is not located in one of the following counties: Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo or Wayne.
- (e) 326 IAC 6.8 PM Limitations for Lake County
This source is not subject to 326 IAC 6.8 because it is not located in Lake County.

State Rule Applicability – Individual Facilities

Paint Booth PB1

- (f) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2 (d), particulate from the one (1) paint booth, identified as PB1, shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

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

- (1) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
- (2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

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

- (g) 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations)
 - (1) The one (1) paint booth operation, identified as PB1, performs a metal coating process and the source is under the Standard Industrial Classification Code of major group #37. In addition, the source was constructed after July 1, 1990 and the paint booth operation PB1 has actual VOC emissions greater than 15 pounds per day, each. Therefore, the paint booth operation PB1 is subject to 326 IAC 8-2-9.

When coating metals, the VOC content of the coatings applied to this facility shall not exceed three and five tenths (3.5) pounds VOC per gallon of extreme performance coatings, excluding water, delivered to the applicators.

Based on the MSDS submitted by the Permittee, the VOC content of the coating delivered to the paint booth operation PB1 is not in compliance with the requirements above. Therefore, the VOC content limit for the paint booth operation PB1 shall be determined pursuant to 326 IAC 8-1-2(a)(7), using a volume weighted average of coatings on a daily basis. This volume weighted average shall be determined by the following equation for each spray booth:

$$A = [\Sigma (C \times U) / \Sigma U]$$

Where: A is the volume weighted average in pounds VOC per gallon less water as applied;

C is the VOC content of the coating in pounds VOC per gallon less water as applied; and

U is the usage rate of the coating in gallons per day.

- (2) Pursuant to 326 IAC 8-2-9(f), work practices shall be used to minimize VOC emissions from mixing operations, storage tanks, and other containers, and handling operations for coatings, thinners, cleaning materials, and waste materials for (1) paint booth operation PB1. Work practices shall include, but not limited to, the following:
- (A) Store all VOC containing coatings, thinners, coating related waste, and cleaning materials in closed containers.
 - (B) Ensure that mixing and storage containers used for VOC containing coatings, thinners, coating related waste, and cleaning materials are kept closed at all times except when depositing or removing these materials.
 - (C) Minimize spills of VOC containing coatings, thinners, coating related waste, and cleaning materials.
 - (D) Convey VOC containing coatings, thinners, coating related waste, and cleaning materials from one (1) location to another in closed containers or pipes.
 - (E) Minimize VOC emissions from the cleaning application, storage, mixing, and conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.

Trim/Assembly and Living Quarters Assembly Operations

- (h) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(b)(14), the one (1) trim/assembly operation and the one (1) living quarters assembly operation are not subject to the requirements of 326 IAC 6-3 because they each have the potential to emit Particulate of less than five hundred fifty-one thousandths (0.551) pound per hour.
- (i) 326 IAC 8-2-9 (Miscellaneous Metal Coating)
 - (1) The one (1) trim/assembly operation, identified as Assembly 1, and the one (1) living quarters assembly operation, identified as LQ1, are subject to the requirements of 326 IAC 8-2-9, because they were constructed after the applicability date of the rule (July 1, 1990), and have actual VOC emissions greater than fifteen (15) pounds per day.

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the daily volume weighted average volatile organic compound (VOC) content of coating delivered to the applicators at the one (1) trim/assembly operation, identified as Assembly 1, and the one (1) living quarters assembly operation, identified as

LQ1, shall be limited to 3.5 pounds of VOCs per gallon of coating less water, for air dried or forced warm air dried coatings.

Based on the MSDS submitted by the Permittee, the VOC content of the coating delivered to the living quarters assembly operation LQ1 is not in compliance with the requirements above. Therefore, the VOC content limit for the living quarters assembly operation LQ1 shall be determined pursuant to 326 IAC 8-1-2(a)(7), using a volume weighted average of coatings on a daily basis. This volume weighted average shall be determined by the following equation for each spray booth:

$$A = [\sum (C \times U) / \sum U]$$

Where: A is the volume weighted average in pounds VOC per gallon less water as applied;

C is the VOC content of the coating in pounds VOC per gallon less water as applied; and

U is the usage rate of the coating in gallons per day.

- (2) Pursuant to 326 IAC 8-2-9(f), work practices shall be used to minimize VOC emissions from mixing operations, storage tanks, and other containers, and handling operations for coatings, thinners, cleaning materials, and waste materials. Work practices shall include, but not limited to, the following:
- (A) Store all VOC containing coatings, thinners, coating related waste, and cleaning materials in closed containers.
 - (B) Ensure that mixing and storage containers used for VOC containing coatings, thinners, coating related waste, and cleaning materials are kept closed at all times except when depositing or removing these materials.
 - (C) Minimize spills of VOC containing coatings, thinners, coating related waste, and cleaning materials.
 - (D) Convey VOC containing coatings, thinners, coating related waste, and cleaning materials from one (1) location to another in closed containers or pipes.
 - (E) Minimize VOC emissions from the cleaning application, storage, mixing, and conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.

Under Coating Operation

- (j) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
The one (1) undercoating operation, identified as Undercoating 1, is not subject to the requirements of 326 IAC 6-3 because the undercoating operation does not have any particulate emissions.
- (k) 326 IAC 8-2-9 (Miscellaneous Metal Coating)
The one (1) undercoating operation, identified as Undercoat 1, is not subject to the requirements of 326 IAC 8-2-9 because the potential and actual VOC emissions from this operation are less than fifteen (15) pounds per day.

Welding Operation

- (l) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2 (c), the one (1) welding operation, identified as TIG Welding, and the one (1) welding operation, identified as MIG Welding, are not subject to the requirements of 326 IAC 6-3 because the welding operation has potential emissions less than five hundred fifty-one thousandths (0.551) pound per hour.

Wood Working Operation

- (m) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2 (e), the particulate from the one (1) woodworking operation shall not exceed 7.63 pounds per hour when operating at a process weight rate of 2.53 tons per hour. This limitation is based on the following equation:

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

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

The wood working operation uses no control.

Metal Cutting Operation

- (n) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
There are no emissions from the metal cutting operation as that operation is a wet operation using metal coolant. Therefore, the requirements of this rule do not apply.

Gasoline Storage Tank

- (o) 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities)
Pursuant to 326 IAC 8-4-3(a), the gasoline storage tank, identified as Gas Tank 1, is not subject to the requirements of 326 IAC 8-4-3, because the gasoline storage tank has a storage capacity less than thirty-nine thousand (39,000) gallons.
- (p) 326 IAC 8-4-6 (Gasoline Dispensing Facilities)
Pursuant to 326 IAC 8-4-1(d), the gasoline storage tank, identified as Gas Tank 1, is not subject to the requirements of 326 IAC 8-4-6, because the gasoline storage tank has a throughput of less than ten thousand (10,000) gallons of gasoline per month.

Diesel Storage Tank

- (q) 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities)
Pursuant to 326 IAC 8-4-3(a), #2 distillate fuel oil storage tank, identified as Diesel Tank 1, is not subject to the requirements of 326 IAC 8-4-3, because the diesel storage tank has a storage capacity less than thirty-nine thousand (39,000) gallons.

Compliance Determination and Monitoring Requirements

- (a) There are no compliance determination and monitoring requirements applicable to this source.
- (b) There are no testing requirements applicable to this source.

Recommendation

The staff recommends to the Commissioner that the MSOP 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 application for the purposes of this review was received on November 19, 2010.

Conclusion

The operation of this a livestock trailer superstructure manufacturer shall be subject to the conditions of the attached MSOP Renewal No. M085-29906-00095.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Bruce Farrar at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5401 or toll free at 1-800-451-6027 extension 4-5401.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

**Appendix A: Emissions Calculations
Summary**

Company Name: Bison Coach, LLC
Address City IN Zip: 804 South Higbee (SR 15), Milford, Indiana 46542
MSOP: 085-29906-00095
Pit ID: 085-00095
Reviewer: Bruce Farrar
Date: February 18, 2011

Uncontrolled Emissions (tons per year)

Facility	PM	PM10	PM2.5	SO2	NOx	VOC	CO	Total HAP	Single HAP
Combustion	0.050	0.199	0.199	0.016	2.62	0.14	2.20	0.049	0.047
Surface Coating	26.06	26.06	26.06	-	-	74.3	-	14.6	6.83
Welding	0.73	0.73	0.73	-	-	-	-	0.067	0.067
Woodworking	16.43	16.43	16.43	-	-	-	-	-	-
Total	43.27	43.42	43.42	0.016	2.62	74.5	2.20	<25	<10

**Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations**

**Company Nameson Coach, LLC
Registration: (SR 15), Milford, Indiana 46542
Permit Number:35-29906-00095
Pt ID: 085-00095
Reviewer: Bruce Farrar
Date: November 19, 2010**

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency	Material Coated
Surface Coating (PB1)																	
Diamond Vogel Paint, Pt. A VLX14941-01, gallons	11.50	24.0%		24.0%		76.0%	2.0600	0.60	2.81	2.76	3.41	81.9	14.94	11.83	3.63	75.0%	Metal
Diamond Vogel Plural Activator IG-0267, gallons	8.24	42.0%		42.0%		58.0%	0.6300	0.60	3.50	3.46	1.31	31.4	5.73	1.98	5.97	75.0%	Metal
Diamond Vogel Primer, Pt. A VLX15213-04, gallons	12.32	27.0%		27.0%		63.0%	1.0900	0.60	3.54	3.33	2.18	52.2	9.53	6.44	5.28	75.0%	Metal
Diamond Vogel Accelerator, DV 726-025, quarts	6.90	94.0%		94.0%		6.0%	0.0018	0.60	6.51	6.49	0.01	0.2	0.03	0.00	108.10	75.0%	Metal
Sherwin Williams URE-BLEND Blending Solvent, quarts	7.17	96.0%		96.0%		4.0%	0.0018	0.60	6.87	6.88	0.01	0.2	0.03	0.00	172.08	75.0%	Metal
Natcon A Resin B Resin ISO	9.28	1.0%		1.0%		99.0%	7.5000	0.60	0.0020	0.09	0.42	10.0	1.83	0.00	0.09	100.0%	Metal

*Only one (1) coating is applied at a time.

State Potential Emissions

PM Control Efficiency:										80.0%	7.33	175.84	32.09	20.25				
Add worst case coating to all solvents											Uncontrolled	7.33	175.84	32.09	20.25			
										Controlled	7.33	175.8	32.09	4.050				

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency	Material Coated
Trim/Assembly																	
Manus Prod 76AM Permethane Sealant (drums)	14.18	0.70%		0.70%		99.0%	2.3700	0.60	0.083	0.099	0.141	3.388	0.618	0.00	0.100	100%	Metal
RS Hughes 3M Tape Primer 94, gallons	8.84	97.0%		97.00%		3.00%	0.5400	0.60	0.430	0.430	0.139	3.344	0.610	0.00	221.160	100%	Metal
Manus Prod 73A 10.1 oz Silicone (20% total usage)	8.61	29.0%		29.00%		70.00%	0.1800	0.60	0.300	2.497	0.270	6.472	1.181	0.00	3.567	100%	Metal
BBC Dist Geocel RP 400, 10 oz	9.02	23.0%		23.00%		76.0%	0.0600	0.60	2.090	2.075	0.075	1.792	0.327	0.00	2.730	100%	Metal
Manus Prod 75AM Prep Caulking, 10.1 oz. tubes tr	14.18	1.0%		1.00%		99.00%	0.1400	0.60	0.075	0.142	0.012	0.286	0.052	0.00	0.143	100%	Metal
RS Hughes 3m Undercoat 051135-08881, 20 oz. (90% total usage)	9.17	39.0%		39.00%		60.00%	0.3900	0.60	3.615	3.576	0.837	20.085	3.665	1.43	5.961	75%	Metal
RW Mobile Seymour MRO Spray Paint 620-1415, 20 oz. (90% total usage)	6.67	27.7%		27.70%		71.30%	0.3800	0.60	2.310	1.848	0.421	10.110	1.845	1.20	2.591	75%	Metal
Russell Products 690 Spray Adhesive 16 oz., 12 per case (80% total usage)	5.84	67.8%		67.83%		17.20%	0.0400	0.60	3.969	3.961	0.095	2.282	0.416	0.00	23.031	100%	Wood/Vinyl
SikaFlex 252 Sealant, Unipack 20 oz.	10.01	5.5%		5.48%		93.0%	1.9800	0.60	0.549	0.549	0.652	15.646	2.855	0.00	0.590	100%	Metal/Vinyl
SikaFlex 3121, 490 ml cartridge (3785 ml = 1 gal)	8.30	5%		5.00%		95.00%	0.0300	0.60	0.430	0.415	0.007	0.430	0.033	0.00	0.437	100.0%	Metal/Vinyl
SikaFlex 205 425050 Primer, 5 gals	6.59	73%		73.00%		27.00%	0.3900	0.60	6.458	4.811	1.126	27.017	4.931	0.00	17.817	100.0%	Metal/Vinyl
LaSalle Sta Put Contact Adhesive SP8027C, 27 lb. canister (3.43 gal/cylinder)	7.96	5%		5.00%		29.00%	0.0400	0.60	0.023	0.398	0.010	0.229	0.042	0.20	1.372	75.0%	Metal/Vinyl
RW Spray Paints (Bison White, Grey, etc.), 14 oz. (30% total usage)	7.01	44%		44.00%		31.00%	0.4100	0.60	4.660	3.084	0.759	18.210	3.323	1.06	9.950	75.0%	Wood/Metal
RW Allpro Chrome Aluminum 11056 Spray Paint, 20 oz. (90% total usage)	6.19	80%		80.00%		16.10%	0.1400	0.60	4.990	4.952	0.416	9.983	1.822	0.11	30.758	75.0%	Wood/Metal/Vinyl
Alco Cyclo C-34 White Grease, 11 oz. (60% of total usage)	6.67	63.0%		63.00%		37.0%	0.0110	0.60	4.202	4.202	0.028	0.666	0.121	0.00	11.357	100.0%	metal
Rollie Williams GPB988 Self Etching Primer, 12 oz. (30% total usage)	6.68	48.0%		48.00%		18.0%	0.0090	0.60	3.740	3.206	0.017	0.416	0.076	0.02	17.813	75%	Wood/Metal/Vinyl

State Potential Emissions

PM Control Efficiency:											5.004	120.355	21.919	4.03			
Add worst case coating to all solvents																	

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency	Material Coated
Schnee-Morehead 6104 Permethane Sealant (10.1 oz tubes)	13.04	0.28%		0.28%		99.00%	0.0300	0.60	0.390	0.037	0.001	0.016	0.003	0.00	0.037	100%	Metal
Schnee-Morehead 5732 10.1 oz Silicone (80% total usage)	8.68	5.00%		5.00%		95.00%	0.8600	0.60	0.430	0.434	0.224	5.375	0.981	0.00	0.457	100%	Metal
RS Hughes 3m Undercoat 051135-08881, 20 oz. (90% total usage)	9.17	39.0%		39.00%		60.00%	0.3900	0.60	3.615	3.576	0.837	20.085	3.665	1.43	5.961	75%	Metal
RW Seymour MRO Spray Paint 620-1415, 20 oz. (10% total usage)	6.67	70.00%		70.00%		30.00%	0.0400	0.60	2.310	4.669	0.112	2.689	0.491	0.05	15.563	75%	Metal
Russell Products 690 Spray Adhesive 16 oz., 12 per case (80% total usage)	5.84	67.8%		67.83%		17.20%	0.0400	0.60	3.969	3.961	0.095	2.282	0.416	0.05	23.031	75%	wood/vinyl
RW Spray Paints (Bison White, Grey, etc.), 14 oz. (70% total usage)	7.01	66.00%		66.00%		34.00%	0.0600	0.60	4.660	4.627	0.167	3.997	0.730	0.09	13.608	75%	Metal
D Carter Oatey Great White Pipe Joint Compound w. PTFE (16 oz.)	16.69	25.00%		25.00%		75.00%	0.0010	0.60	0.025	4.173	0.003	0.060	0.011	0.00	5.563	100%	plastic
D Carter Tylan Outdoor & RV PRO Expanding Poly Straw Foam Sealant, 32	10.00	24.00%		24.00%		76.00%	0.2300	0.60	2.400	2.400	0.331	7.949	1.451	0.00	3.158	100%	Metal
RW Allpro Chrome Aluminum 11056 Spray Paint, 20 oz. (10% total usage)	6.19	80.00%		80.00%		16.00%	0.1700	0.60	4.990	4.952	0.505	12.122	2.212	0.14	30.950	75%	Metal
Alco Cyclo C-34 White Grease, 11 oz. (40% total usage)	6.67	63.00%		63.00%		37.00%	0.0070	0.60	4.202	4.202	0.018	0.424	0.077	0.00	11.357	100%	Metal
Rollie Williams GPB988 Self Etching Primer, 12 oz. (30% total usage)	6.68	48.0%		48.00%		18.0%	0.0090	0.60	3.740	3.206	0.017	0.416	0.076	0.02	17.813	75%	Metal
												55.414	10.113	1.79			
Clean up Solvents																	
MW Mobile MEK	6.72	100.00%		100.00%		0.00%	0.0250	0.60	6.720	6.720	0.101	2.419	0.442	0.00	-	-	cleaner
MW Mobile Isopropyl Alcohol	6.6	100.00%		100.00%		0.00%	0.4800	0.60	6.550	6.550	1.886	45.274	8.262	0.00	-	-	cleaner
Natcon IM PEMCO cleaner	8.17	100.0%		100.0%		0.0%	0.0700	0.60	8.17	8.17	0.34	8.2	1.50	0.00	-	-	cleaner
													10.21	0.00			

METHODOLOGY

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) * Weight % Organics) / (1-Volume % water)

Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)

Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr)

Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)

Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hrs/yr) * (1 ton/2000 lbs)

Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1-Weight % Volatiles) * (1-Transfer efficiency) * (8760 hrs/yr) * (1 ton/2000 lbs)

Pounds VOC per Gallon of Solids = (Density (lbs/gal) * Weight % organics) / (Volume % solids)

Total = Worst Coating + Sum of all solvents used

Overall Total

	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)
Uncontrolled	16.97	408	74.3	26.06
Controlled	16.97	408	74.3	4.050

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

Company Name: Bison Coach, LLC
Address City IN Zip: 804 South Higbee (SR 15), Milford, Indiana 46542
Registration: 085-29906-00095
Plt ID: 085-00095
Permit Reviewer: Bruce Farrar
Date: 40501.000

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Toluene	Weight % Perchloroethylene	Weight % Ethyl Benzene	Weight % Methylene Chloride	Weight % MDI	Weight % Trichloroethylene	Xylene Emissions (ton/yr)	Toluene Emissions (ton/yr)	Perchloroethylene Emissions (ton/yr)	Ethyl Benzene Emissions (ton/yr)	Methylene Chloride Emissions (ton/yr)	MDI Emissions (ton/yr)	Trichloroethylene Emissions (ton/yr)
Surface Coating (PB1)																	
Diamond Vogel Paint, Pt. A VLX14941-01, gallons	11.5	2.060	0.6000	0.000%	0.000%	0.000%	0.000%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Diamond Vogel Plural Activator IG-0267, gallons	8.24	0.630	0.6000	0.000%	0.000%	0.000%	0.000%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Diamond Vogel Primer, Pt. A VLX15213-04, gallons	12.53	1.090	0.6000	0.000%	0.000%	0.000%	0.000%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Diamond Vogel Accelerator, DV 726-025, quarts	6.9	0.002	0.6000	0.000%	0.000%	0.000%	0.000%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sherwin Williams URE-BLEND Blending Solvent, quarts	7.17	0.002	0.6000	4.000%	10.000%	0.000%	0.000%	0.00%	0.00%	0.00%	0.001	0.003	0.000	0.000	0.000	0.000	0.000
Natcon A Resin B Resin ISO	9.275	7.500	0.6000	0.000%	0.000%	0.000%	0.000%	0.00%	0.25%	0.00%	0.000	0.000	0.000	0.000	0.000	0.457	0.000
Natcon IM PEMCO cleaner	8.17	0.070	0.6000	0.000%	0.000%	0.000%	0.000%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
											0.001	0.003	0.000	0.000	0.000	0.457	0.000
Assembly																	
Manus Prod D76AMG Permathane Sealant (drums)	13.7	2.370	0.6000	0.000%	3.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	2.560	0.000	0.000	0.000	0.000	0.000
RS Hughes 3M Tape Primer, gallons	6.84	0.140	0.6000	35.000%	0.000%	0.000%	10.000%	0.000%	0.000%	0.000%	0.881	0.000	0.000	0.252	0.000	0.000	0.000
Manus Prod 73A 10.1 oz Silicone (20% total usage)	8.61	0.540	0.6000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BBC Dist Geocel RP 400, 10 oz	9.02	0.180	0.6000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manus Prod 75AM Prep Caulking, 10.1 oz. tubes tr	8.76	0.060	0.6000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
RS Hughes 3m Undercoat 051135-08881, 20 oz. (90% total usage)	9.17	0.140	0.6000	0.000%	20.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	0.675	0.000	0.000	0.000	0.000	0.000
MW Mobile Seymour MRO Spray Paint 620-1415, 20 oz. (90% total usage)	6.67	0.390	0.6000	4.300%	6.800%	0.000%	0.000%	0.000%	0.000%	0.000%	0.294	0.465	0.000	0.000	0.000	0.000	0.000
Russell Products 690 Spray Adhesive 16 oz., 12 per case (80% total usage)	5.75	0.040	0.6000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sikaflex 252 Sealant, Unipack 20 oz.	10.01	1.980	0.6000	6.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	3.125	0.000	0.000	0.000	0.000	0.000	0.000
SikaFlex 3121, 490 ml cartridge (3785 ml = 1 gal)	8.35	0.030	0.6000	1.750%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.012	0.000	0.000	0.000	0.000	0.000	0.000
SikaFlex 260/205 425050 Primer, 5 gals	6.59	0.390	0.6000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LaSalle Sta Put Contact Adhesive SP8027C, 27 lb. canister (3.43 gal/cylindr	7.86	0.040	0.6000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
RW Spray Paints (Bison White, Grey, etc.), 14 oz. (30% total usage)	7.01	0.410	0.6000	15.800%	5.060%	0.000%	2.810%	0.000%	0.000%	0.000%	1.194	0.382	0.000	0.212	0.000	0.000	0.000
RW Allpro Chrome Aluminum 11056 Spray Paint, 20 oz. (90% total usage)	7.01	0.140	0.6000	15.800%	5.060%	0.000%	2.810%	0.000%	0.000%	0.000%	0.408	0.131	0.000	0.072	0.000	0.000	0.000
Alco Cyclo C-34 White Grease, 11 oz. (60% of total usage)	6.68	0.010	0.6000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Rollie Williams GPB988 Self Etching Primer, 12 oz. (30% total usage)	6.68	0.009	0.6000	5.000%	2.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.008	0.003	0.000	0.000	0.000	0.000	0.000
											5.920	4.215	0.000	0.536	0.000	0.000	0.000
Clean up Solvents																	
Manus 6104 Permathane Sealant (10.1 oz tubes)	13.70	0.030	0.6000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manus 5732 10.1 oz Silicone (80% total usage)	8.68	0.860	0.6000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
RS Hughes 3m Undercoat 051135-08881, 20 oz. (90% total usage)	9.17	0.140	0.6000	0.000%	20.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	0.675	0.000	0.000	0.000	0.000	0.000
MW Mobile Seymour MRO Spray Paint 620-1415, 20 oz. (90% total usage)	6.67	0.390	0.6000	4.300%	6.800%	0.000%	0.000%	0.000%	0.000%	0.000%	0.294	0.465	0.000	0.000	0.000	0.000	0.000
Russell Products 690 Spray Adhesive 16 oz., 12 per case (20% total usage)	5.75	0.010	0.6000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
RW Spray Paints (Bison White, Grey, etc.), 14 oz. (70% total usage)	7.01	0.060	0.6000	15.800%	5.060%	0.000%	2.810%	0.000%	0.000%	0.000%	0.175	0.056	0.000	0.031	0.000	0.000	0.000
D Carter Oatey Great White Pipe Joint Compound w. PTFE (16 oz.)	16.69	0.001	0.6000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
D Carter Tytan Outdoor & RV PRO Expanding Poly Straw Foam Sealant, 32	10	0.230	0.6000	0.000%	0.000%	0.000%	0.000%	0.000%	19.000%	0.000%	0.000	0.000	0.000	0.000	0.000	1.148	0.000
RW Allpro Chrome Aluminum 11056 Spray Paint, 20 oz. (10% total usage)	6.19	0.170	0.6000	15.800%	5.060%	0.000%	2.810%	0.000%	0.000%	0.000%	0.437	0.140	0.000	0.078	0.000	0.000	0.000
Alco Cyclo C-34 White Grease, 11 oz. (40% total usage)	6.68	0.007	0.6000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Rollie Williams GPB988 Self Etching Primer, 12 oz. (70% total usage)	6.68	0.005	0.6000	5.000%	2.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.004	0.002	0.000	0.000	0.000	0.000	0.000
											0.910	1.337	0.000	0.109	0.000	1.148	0.000
Clean up Solvents																	
MW Mobile MEK	6.72	0.025	0.6000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MW Mobile Isopropyl Alcohol	6.84	0.480	0.6000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
											0.000	0.000	0.000	0.000	0.000	0.000	0.000
Totals:											6.832	5.556	0.000	0.645	0.000	1.605	0.000

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

TOTAL HAPS

14.638

Particulate

from Woodworking Operations

Company Name: Bison Coach, LLC
Address City IN Zip: 804 South Higbee (SR 15), Milford, Indiana 46542
MSOP: 085-29906-00095
Pit ID: 085-00095
Reviewer: Bruce Farrar
Date: November 19, 2010

Amount of Sawdust Collected lbs/unit	Throughput units/hr	Particulate Potential lbs/hr	Particulate Potential tons/yr
5.00	0.75	3.750	16.43

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

Methodology

PM10 is equal to PM

Particulate Potential (lbs/hr) = Amount of sawdust collected (lbs/unit) x Throughput (units/hr)

Particulate Potential (tons/yr) = Particulate Potential (lbs/hr) x 8,760 hrs/yr x 1 ton/2,000lbs

**Appendix A: Emissions Calculations
Welding and Thermal Cutting**

Company Name: Bison Coach, LLC
Address City IN Zip: 804 South Higbee (SR 15), Milford, Indiana 46542
MSOP: 085-29906-00095
Plt ID: 085-00095
Reviewer: Bruce Farrar
Application Date: November 19, 2010

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)		EMISSION FACTORS* (lb pollutant/lb electrode)				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
				PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr	
WELDING												
Submerged Arc	0	0		0.036	0.011			0.000	0.000	0.000	0	0.000
Metal Inert Gas (MIG)(carbon steel)	15	2		0.0055	0.0005			0.165	0.015	0.000	0	0.015
Stick (E7018 electrode)	0	0		0.0211	0.0009			0.000	0.000	0.000	0	0.000
Tungsten Inert Gas (TIG)(carbon steel)	4	0.1025		0.0055	0.0005			0.002	0.000	0.000	0	0.000
Oxyacetylene(carbon steel)	0	0		0.0055	0.0005			0.000	0.000	0.000	0	0.000
FLAME CUTTING	Number of Stations	Max. Metal Thickness Cut (in.)	Max. Metal Cutting Rate (in./minute)	EMISSION FACTORS (lb pollutant/1,000 inches cut, 1" thick)**				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
				PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr	
Oxyacetylene	0	0	0	0.1622	0.0005	0.0001	0.0003	0.000	0.000	0.000	0.000	0.000
Oxymethane	0	0	0	0.0815	0.0002		0.0002	0.000	0.000	0.000	0.000	0.000
Plasma**	0	0	0	0.0039				0.000	0.000	0.000	0.000	0.000
EMISSION TOTALS												
Potential Emissions lbs/hr								0.17	0.02	0.00	0.00	0.015
Potential Emissions lbs/day								4.01	0.36	0.00	0.00	0.36
Potential Emissions tons/year								0.73	0.07	0.00	0.00	0.067

METHODOLOGY

*Emission Factors are default values for carbon steel unless a specific electrode type is noted in the Process column.

**Emission Factor for plasma cutting from American Welding Society (AWS). Trials reported for wet cutting of 8 mm thick mild steel with 3.5 m/min cutting speed (at 0.2 g/min emitted). Therefore, the emission factor for plasma cutting is for 8 mm thick rather than 1 inch, and the maximum metal thickness is not used in calculating the emissions.

Using AWS average values: (0.25 g/min)/(3.6 m/min) x (0.0022 lb/g)/(39.37 in./m) x (1,000 in.) = 0.0039 lb/1,000 in. cut, 8 mm thick

Plasma cutting emissions, lb/hr: (# of stations)(max. cutting rate, in./min.)(60 min./hr.)(emission factor, lb. pollutant/1,000 in. cut, 8 mm thick)

Cutting emissions, lb/hr: (# of stations)(max. metal thickness, in.)(max. cutting rate, in./min.)(60 min./hr.)(emission factor, lb. pollutant/1,000 in. cut, 1" thick)

Welding emissions, lb/hr: (# of stations)(max. lbs of electrode used/hr/station)(emission factor, lb. pollutant/lb. of electrode used)

Emissions, lbs/day = emissions, lbs/hr x 24 hrs/day

Emissions, tons/yr = emissions, lb/hr x 8,760 hrs/year x 1 ton/2,000 lbs

Welding and other flame cutting emission factors are from an internal training session document, "Welding and Flame Cutting". See Rebecca Mason if you need a copy.

Refer to AP-42, Chapter 12.19 for additional emission factors for welding.

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

Company Name: Bison Coach, LLC
Address City IN Zip: 804 South Higbee (SR 15), Milford, Indiana 46542
MSOP: 085-29906-00095
Pit ID: 085-00095
Reviewer: Bruce Farrar
Date: November 19, 2010

Heat Input Capacity
MMBtu/hr

5.978

Potential Throughput
MMCF/yr

52.4

One (1) paint booth air make-up unit rated at 3.888 MMBtu/hr.
 Twenty (20) space heaters rated at 1.5 MMBtu/hr, total.
 One (1) power washer rated at 0.44 MMBtu/hr.
 One (1) office air make-up unit rated at 0.15 MMBtu/hr.

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.90	7.60	0.600	100	5.50	84.0
				**see below		
Potential Emission in tons/yr	0.050	0.199	0.016	2.62	0.144	2.20

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

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

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

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

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

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

See page 7 for HAPs emissions calculations.

**Appendix A: Emissions Calculations
 Natural Gas Combustion Only
 MM BTU/HR <100
 Small Industrial Boiler
 HAPs Emissions**

**Company Name: Bison Coach, LLC
 Address City IN Zip: 804 South Higbee (SR 15), Milford, Indiana 46542
 MSOP: 085-29906-00095
 Pit ID: 085-00095
 Reviewer: Bruce Farrar
 Date: November 19, 2010**

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 0.002	Dichlorobenzene 0.001	Formaldehyde 0.075	Hexane 1.80	Toluene 0.003
Potential Emission in tons/yr	0.0001	0.00003	0.002	0.047	0.0001

HAPs - Metals						
Emission Factor in lb/MMcf	Lead 0.001	Cadmium 0.001	Chromium 0.001	Manganese 0.0004	Nickel 0.002	Total
Potential Emission in tons/yr	0.00001	0.00003	0.00004	0.00001	0.0001	0.05

Methodology is the same as page 6.

The five highest organic and metal HAPs emission factors are provided above.
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Appendix A: Emissions Calculations
Daily Volume-Weighted Average

Company Name: Bison Coach, LLC
Address City IN Zip: 804 South Higbee (SR 15), Milford, Indiana 46542
Permit Number: 085-29906-00095
Plt ID: 085-00095
Reviewer: Bruce Farrar
Date: February 3, 2011

Material	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less	Σ(C*U)	Σ U	A = [Σ (C x U) / Σ U]	Application method
Surface Coating (PB1)							
Diamond Vogel Paint, Pt. A VLX14761-01, gallons	2.06	0.6	2.81	83.36	29.66		spray
Diamond Vogel Plural Activator IG-0267, gallons	0.63	0.6	3.50	31.75	9.07		spray
Diamond Vogel Primer, Pt. A VLX15213-04, gallons	1.09	0.6	3.42	53.68	15.70		spray
Diamond Vogel Accelerator, DV 726-025, quarts	0.0018	0.6	6.51	0.17	0.03		spray
Sherwin Williams URE-BLEND Blending Solvent, quarts	0.0018	0.6	6.87	0.18	0.03		spray
Natcon A Resin B Resin ISO	7.50	0.6	1.00	108.00	108.00		spray
Natcon IM PEMCO cleaner	0.07	0.6	8.17	7.88	0.96		spray
	11.3506			285.02	163.45		1.74
Trim/Assembly							
							manual
Manus Prod D76AMG Permathane Sealant (drums)	2.370	0.6	0.39	13.31	34.13		manual
Manus Prod 73A 10.1 oz Silicone (20% total usage)	0.540	0.6	0.43	3.34	7.78		manual
BBC Dist Geocel RP 400, 10 oz	0.180	0.6	2.50	6.48	2.59		manual
Manus Prod 75AM Prep Caulking, 10.1 oz. tubes tr	0.060	0.6	0.40	0.35	0.86		manual
RS Hughes 3M Tape Primer, gallons	0.140	0.6	6.27	12.64	2.02		manual
RS Hughes 3m Undercoat 051135-08881, 20 oz. (90% total usage)	0.390	0.6	4.12	23.14	5.62		manual
Russell Products 690 Spray Adhesive 16 oz., 12 per case (80% total usage)	0.040	0.6	4.59	2.64	0.58		aerosol
Sikaflex 252 Sealant, Unipack 20 oz.	1.980	0.6	0.53	15.11	28.51		manual
SikaFlex 3121, 490 ml cartridge (3785 ml = 1 gal)	0.030	0.6	0.43	0.19	0.43		manual
SikaFlex 260/205 425050 Primer, 5 gals	0.390	0.6	5.04	28.30	5.62		manual
LaSalle Sta Put Contact Adhesive SP8027C, 27 lb. canister (3.43 gal/cylinder)	0.040	0.6	0.43	0.25	0.58		spray
RW Spray Paints (Bison White, Grey, etc.), 14 oz. (30% total usage)	0.410	0.6	4.66	27.51	5.90		aerosol
RW Allpro Chrome Aluminum 11056 Spray Paint, 20 oz. (90% total usage)	0.140	0.6	4.99	10.06	2.02		aerosol
Alco Cyclo C-34 White Grease, 11 oz. (60% of total usage)	0.011	0.6	4.23	0.67	0.16		aerosol
Rollie Williams GPB988 Self Etching Primer, 12 oz. (30% total usage)	0.009	0.6	4.93	0.64	0.13		aerosol
	6.730			144.63	96.91		1.49
Living Quarters Assembly							
Manus 6104 Permathane Sealant (10.1 oz tubes)	0.030	0.6	0.39	0.17	0.43		manual
Manus 5732 10.1 oz Silicone (80% total usage)	0.860	0.6	0.43	5.33	12.38		manual
RS Hughes 3m Undercoat 051135-08881, 20 oz. (10% total usage)	0.170	0.6	4.12	10.09	2.45		aerosol
RW Seymour MRO Spray Paint 620-1415, 20 oz. (10% total usage)	0.040	0.6	4.67	2.69	0.58		aerosol
RW Spray Paints (Bison White, Grey, etc.), 14 oz. (70% total usage)	0.060	0.6	4.66	4.03	0.86		aerosol
D Carter Tytan Outdoor & RV PRO Expanding Poly Straw Foam Sealant, 32 oz.	0.230	0.6	2.40	7.95	3.31		spray
RW Allpro Chrome Aluminum 11056 Spray Paint, 20 oz. (10% total usage)	0.170	0.6	4.99	12.22	2.45		spray
Alco Cyclo C-34 White Grease, 11 oz. (40% total usage)	0.007	0.6	4.23	0.43	0.10		aerosol
Rollie Williams GPB988 Self Etching Primer, 12 oz. (70% total usage)	0.005	0.6	4.93	0.35	0.07		aerosol
	1.572			43.23	22.64		1.91



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Dan Miller
Bison Coach, LLC
606 Nelsons Okwy PO Box 465
Wakarusa, IN 46573-0465

DATE: May 18, 2011

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

SUBJECT: Final Decision
MSOP
085-29906-00095

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

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

A copy of the final decision and supporting materials has also been sent via standard mail to:
OAQ Permits Branch Interested Parties List

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

Final Applicant Cover letter.dot 11/30/07



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May 18, 2011

TO: Milford Public Library

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

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

Applicant Name: Bison Coach LLC
Permit Number: 085-29906-00095

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

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

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	CDENNY 5/18/2011 Bison Coach, LLC 085-29906-00095 (final)		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Dan Miller Bison Coach, LLC 606 Nelsons Okwy PO Box 465 Wakarusa IN 46573-0465 (Source CAATS)										
2		Irv Yoder VP MFG Ops Indiana Bison Coach, LLC 606 Nelsons Okwy PO Box 465 Wakarusa IN 46573-0465 (RO CAATS)										
3		Mr. Charles L. Berger Berger & Berger, Attorneys at Law 313 Main Street Evansville IN 47700 (Affected Party)										
4		Milford Public Library 101 Main St. Box 247 Milford IN 46542-0247 (Library)										
5		Kosciusko County Board of Commissioners 100 W. Center St, Room 220 Warsaw IN 46580 (Local Official)										
6		Milford Town Council P.O. Box 300, 121 S. Main Street Milford IN 46542 (Local Official)										
7		Mr. Tim Thomas c/o Boilermakers Local 374 6333 Kennedy Ave. Hammond IN 46333 (Affected Party)										
8		Kosciusko County Health Department 100 W. Center Street, 3rd Floor Warsaw IN 46580-2877 (Health Department)										
9		Rick & Jo Ellen Jackson 7163 W 200 N Warsaw IN 46580 (Affected Party)										
10		Mark Zeltwanger 26545 CR 52 Nappanee IN 46550 (Affected Party)										
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