



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: February 10, 2009

RE: Dutchmen Manufacturing, Inc. / 039-27102-00376

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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Mr. Jeffrey Chiddister
Dutchmen Manufacturing, Inc.
2164 Caragana Court
Goshen, IN 46526

February 10, 2009

Re: 039-27102-00376
First Significant Revision to
F039-19844-00376

Dear Mr. Chiddister:

Dutchmen Manufacturing, Inc. was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F039-19844-00376 on October 20, 2005 for a stationary travel trailer manufacturing source located at 2021 Kercher Rd., 2142 Caragana Ct., 2410 Dierdorff Rd., and 2402 Dierdorff Rd., Goshen, Indiana 46526. On October 31, 2008, the Office of Air Quality (OAQ) received an application from the source requesting the addition of the Aero travel trailer production line and Dutchmen Repair Services plant to be located at 2639 Lincoln Way East, Goshen, IN 46526. The attached Technical Support Document (TSD) provides additional explanation of the changes to the source/permit. Pursuant to the provisions of 326 IAC 2-8-11.1, these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-8-11.1(f). Pursuant to the provisions of 326 IAC 2-8-11.1, a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

The following construction conditions are applicable to the proposed project:

- General Construction Conditions
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
- This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
- Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
- Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
- All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Attached

please find the entire revised permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Jason R. Krawczyk, of my staff, at 317-234-5175 or 1-800-451-6027, and ask for extension 4-5175.

Sincerely,



Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

Attachments: Technical Support Document and revised permit

IC/JRK

cc: File - Elkhart County
Elkhart County Health Department
U.S. EPA, Region V
Air Compliance Section
IDEM Northern Regional Office
Compliance Data Section
Technical Support and Modeling
Permits Administrative and Development
Billing, Licensing and Training Section



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

Dutchmen Manufacturing, Inc.
2021 Kercher Rd., 2142 Caragana Ct., 2410 Dierdorff Rd.,
2402 Dierdorff Rd., and 2639 Lincolnway East,
Goshen, Indiana 46526

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

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

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

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

Operation Permit No.: F 039-19844-00376	
Issued by: Paul Dubenetzky, Chief Permits Branch Office of Air Quality	Issuance Date: October 20, 2005 Expiration Date: October 20, 2015

First Administrative Amendment No: 039-26266-00376, issued on April 10, 2008.

First Significant Permit Revision No.: F 039-27102-00376	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: February 10, 2009 Expiration Date: October 20, 2015

TABLE OF CONTENTS

A. SOURCE SUMMARY	4
A.1 General Information [326 IAC 2-8-3(b)]	
A.2 General Information [326 IAC 2-8-3(b)]	
A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]	
A.4 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(l)]	
A.5 FESOP Applicability [326 IAC 2-8-2]	
B. GENERAL CONDITIONS	10
B.1 Definitions [326 IAC 2-8-1]	
B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]	
B.3 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]	
B.4 Term of Conditions [326 IAC 2-1.1-9.5]	
B.5 Enforceability [326 IAC 2-8-6] [IC 13-17-12]	
B.6 Severability [326 IAC 2-8-4(4)]	
B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]	
B.8 Duty to Provide Information [326 IAC 2-8-4(5)(E)]	
B.9 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]	
B.10 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]	
B.11 Compliance Order Issuance [326 IAC 2-8-5(b)]	
B.12 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]	
B.13 Emergency Provisions [326 IAC 2-8-12]	
B.14 Prior Permits Superseded [326 IAC 2-1.1-9.5]	
B.15 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]	
B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]	
B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]	
B.18 Permit Renewal [326 IAC 2-8-3(h)]	
B.19 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]	
B.20 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]	
B.21 Source Modification Requirement [326 IAC 2-8-11.1]	
B.22 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2] [IC 13-30-3-1]	
B.23 Transfer of Ownership or Operational Control [326 IAC 2-8-10]	
B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16] [326 IAC 2-1.1-7]	
B.25 Advanced Source Modification Approval [326 IAC 2-8-4(11)] [326 IAC 2-1.1-9]	
B.26 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]	
C. SOURCE OPERATION CONDITIONS	20
Emission Limitations and Standards [326 IAC 2-8-4(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]	
C.2 Overall Source Limit [326 IAC 2-8]	
C.3 Opacity [326 IAC 5-1]	
C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]	
C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]	
C.6 Fugitive Dust Emissions [326 IAC 6-4]	
C.7 Stack Height [326 IAC 1-7]	
C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]	
Testing Requirements [326 IAC 2-8-4(3)]	
C.9 Performance Testing [326 IAC 3-6]	

Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.11 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

C.13 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)]
[326 IAC 2-8-5(1)]

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

C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

C.15 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4]
[326 IAC 2-8-5]

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

C.17 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

D.1. EMISSIONS UNIT OPERATION CONDITIONS..... 27

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

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

D.1.2 Volatile Organic Compounds [326 IAC 2-8] [326 IAC 8-1-6]

D.1.3 Particulate [326 IAC 6-3-2] [326 IAC 2-2]

D.1.4 Particulate (PM₁₀) [326 IAC 2-2] [326 IAC 2-8]

D.1.5 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

Compliance Determination Requirements

D.1.6 Volatile Organic Compounds (VOC) [326 IAC 8-1-2] [326 IAC 8-1-4]

D.1.7 Particulate Control

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

D.1.8 Visible Emissions Notations

D.1.9 Broken or Failed Bag Detection

D.1.10 Cyclone Inspections

D.1.11 Cyclone Failure Detection

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

D.1.12 Record Keeping Requirement

D.1.13 Reporting Requirement

Certification Form	36
Emergency Occurrence Form	37
Quarterly Report Form(s)	39, 40, 41
Quarterly Deviation and Compliance Monitoring Report Form	42

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, A.3, and A.4 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

The Permittee owns and operates a stationary travel trailer manufacturing source.

Source Address: 2021 Kercher Road, 2142 Caragana Ct., 2410 Dierdorff Rd., and 2402 Dierdorff Rd., 2639 Lincolnway East, Goshen, Indiana 46526
Mailing Address: 2164 Caragana Ct. Goshen, Indiana 46526
General Source Phone: (574) 534-1224
SIC Code: 3792
Source Location Status: Elkhart County
Attainment for all criteria pollutants
Source Status: Federally Enforceable State Operating Permit (FESOP)
Minor Source, under PSD and Emission Offset Rules
Minor Source, Section 112 of the Clean Air Act

A.2 Source Definition [326 IAC 2-8-1] [326 IAC 2-7-1(22)]

This travel trailer manufacturing source consists of five buildings:

- (a) The Classic travel trailer production line is located at 2021 Kercher Road, Goshen, Indiana 46526;
- (b) The Colorado travel trailer production line is located at 2142 Caragana Ct., Goshen, Indiana 46526; and
- (c) The wall lamination and wood waste grinding are located at 2410 Dierdorff Rd., Goshen, Indiana 46526.
- (d) The T@B trailer line is located at 2402 Dierdorff Rd., Goshen, Indiana 46526.
- (e) The Aero travel trailer production line and Dutchmen Repair Services are located at 2639 Lincolnway East, Goshen, Indiana 46526.

Since the five (5) plants are located on contiguous or adjacent properties, or within one (1) mile of each other, belong to the same industrial grouping, and are under common control of the same entity, they will be considered one (1) source, effective from the date of issuance of this FESOP.

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

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

Dutchmen Manufacturing, Inc. - 2021 Kercher Road, Goshen, Indiana

- (a) One (1) Classic travel trailer production line, constructed in 1999, with a maximum production capacity of 1.75 trailers per hour and a maximum throughput of 4,352.25 pounds of wood per hour, including the following operations:
 - (1) One (1) cabinet and milling area, equipped with two (2) table saws, one (1) radial arm saw, one (1) vertical panel saw, one (1) vertical band saw, one (1) belt

sander, and one (1) drill press exhausting through one (1) cyclone, identified as P1; three (3) miter saws, exhausting through two (2) portable baghouses, identified as B1 and B2; and two (2) jet pin routers exhausting through one (1) cyclone, identified as P2; using aerosol cans and non-spray methods to apply materials; capacity: 2.5 travel trailers per hour and 1,186.5 pounds of wood, panelboard and plywood per hour, total.

- (2) One (1) slide-out assembly area, using aerosol cans and non-spray methods to apply materials, capacity: 1.75 travel trailers per hour.
- (3) One (1) assembly and final finish area, equipped with two (2) miter saws for wood trims, exhausting through one (1) baghouse, identified as B3; one (1) table saw for back-up and remedial cutting of pre-cut wood roof panels, exhausting to one (1) baghouse, identified as B4; and metal working equipment including two (2) miter saws for metal and PVC tubes, one (1) band saw, three (3) miter saws, one (1) router, one (1) radial arm saw, two (2) chop saws, and two (2) metal grinders; using one (1) caulk gun, aerosol cans and non-spray methods to apply materials; capacity: 1.75 travel trailers per hour, 0.798 pounds of wood through the woodworking process per hour, 10.3 pounds of metal through the metal working process per hour, and 5.7 pounds of PVC through the metal working process per hour, total.
- (4) One (1) touchup and repair area, using one (1) HVLP spray gun, aerosol cans and non-spray methods to apply materials, maximum capacity: 0.52 units per hour.

Dutchmen Manufacturing, Inc. - 2142 Caragana Court, Goshen, Indiana

- (b) One (1) Colorado travel trailer production line, constructed in the present location in 2003, with a maximum production capacity of 1.25 travel trailers per hour and a maximum throughput of 2,767.5 pounds of wood per hour, including the following operations:
 - (1) One (1) cabinet and milling area, equipped with eight (8) miter saws, one (1) table saw, two (2) radial arm saws, one (1) horizontal band saw, one (1) belt sander, five (5) fix routers, and one (1) pin router, all exhausting through one (1) baghouse, identified as P3; using aerosol cans and non-spray methods to apply materials; capacity: 1.25 travel trailers per hour and 903.125 pounds of wood, luan, panelboard and plywood per hour.
 - (2) One (1) slide-out assembly area, equipped with one (1) miter saw, exhausting through one (1) portable baghouse, identified as B5; using aerosol cans and non-spray methods to apply materials; capacity: 1.25 travel trailers per hour and 18.4 pounds of wood through the sawing operation per hour.
 - (3) One (1) assembly and final finish area, equipped with two (2) miter saws for cutting wood trims exhausting through one (1) portable baghouse, identified as B6; two (2) miter saws for cutting aluminum tubes and pipes each exhausting through one (1) of two (2) portable baghouses, identified as B7 and B8; one (1) miter saw for cutting ABS/PVC pipes, exhausting through one (1) portable baghouse, identified as B8; one (1) chop saw for cutting metal rods, exhausting through one (1) portable baghouse, identified as B9; one (1) band saw for cutting aluminum extrusions, exhausting through a portable baghouse, identified as B10; using aerosol cans and non-spray methods to apply materials; capacity; 1.25 travel trailers per hour, 9.06 pounds of wood through the woodworking process per hour, 21.6 pounds of metal through the metal working process per hour, and 16.0 pounds of PVC through the metal working process per hour, total.

- (4) One (1) touchup and repair area, using one (1) HVLP spray gun, aerosol cans and non-spray methods to apply materials, maximum capacity: 0.38 units per hour.

Dutchmen Manufacturing, Inc. - 2410 Dierdorff Rd., Goshen, Indiana

- (c) One (1) wall lamination area, installed in 2005, equipped with three (3) miter saws, one (1) table saw, one (1) radial arm saw, one (1) upright panel saw, one (1) vertical band saw, one (1) horizontal band saw, one (1) belt sander, one (1) jet pin router, one (1) hot melt laminating machine, and one (1) cold adhesive laminating machine, using aerosol cans and non-spray methods to apply materials, with all saws exhausting through one (1) baghouse, identified as B11, capacity: 1.75 Classic Line units per hour, 1.25 Colorado Line units per hour, and 109 pounds of wood through the woodworking process per hour.
- (d) One (1) waste minimization, wood waste grinding system, constructed in 2005, equipped with a baghouse, identified as P4, with a return air duct exhausting inside or to the atmosphere, capacity: 36 tons of wood per week.

Dutchmen Manufacturing, Inc. - 2402 Dierdorff Rd., Goshen, Indiana

- (e) One (1) T@B Trailer line, approved for construction in 2008, consisting of:
 - (1) One (1) laminating operation, identified as roof lamination, utilizing wiping applications, capacity: 0.75 travel trailers per hour.
 - (2) One (1) chassis preparation, identified as chassis prep, utilizing aerosol cans and wiping applications, capacity: 0.75 travel trailers per hour.
 - (3) One (1) mill and cabinet shop, identified as mill and cabinet shop, utilizing wiping applications, with particulate from woodworking controlled by two (2) baghouses (PB1 and PB2), exhausting inside, capacity: 6.54 pounds of wood, luan and plywood per hour and 0.75 travel trailers per hour. This operation consists of:
 - (A) Two (2) table saws, identified as TS1 and TS2.
 - (B) One (1) sander, identified as SA1.
 - (C) One (1) chop saw, identified as CS1.
 - (D) One (1) band saw, identified as BS.
 - (4) One (1) assembly operation, identified as assembly, utilizing aerosol cans and wiping applications, capacity: 0.75 travel trailers per hour.
 - (5) One (1) final finish operation, identified as final finish, utilizing aerosol cans and wiping applications, capacity: 0.75 travel trailers per hour.

Dutchmen Manufacturing, Inc. - 2639 Lincolnway East. Goshen, Indiana

- (f) One (1) Aero travel trailer production line, approved for construction in 2008, consisting of the following:
 - (1) One (1) woodworking area, equipped with cyclone P5 and portable baghouses PB3 through PB5 for particulate control, with cyclone P5 exhausting to stack P5, and portable baghouses PB3 through PB5 exhausting within the building, capacity: 716 lb/hr, and consisting of the following:
 - (i) Two (2) table saws;

- (ii) Eight (8) chop saws;
 - (iii) One (1) radial arm saw;
 - (iv) Two (2) vertical band saws;
 - (v) One (1) horizontal band saw;
 - (vi) Two (2) belt sanders;
 - (vii) Three (3) drill presses;
 - (viii) One (1) pin router; and
 - (ix) Two (2) sanders.
- (2) One (1) travel trailer assembly area, using spray cans, brushes, and wiping to apply materials, exhausting within the building, capacity: 1.0 trailers per hour and less than five (5) gallons of coatings per day.
 - (3) One (1) travel trailer final finishing line, using spray cans and wiping to apply materials, exhausting within the building, capacity: 1.0 trailers per hour and less than five (5) gallons of coatings per day.
 - (4) One (1) travel trailer touch-up and repair area, equipped with two (2) airless paint guns and also using wiping to apply materials, capacity: 0.2 trailers per hour and less than five (5) gallons of coatings per day.
- (g) One (1) Dutchmen Repair Services, approved for construction in 2008, consisting of:
 - (1) Coating operations, using two (2) high volume low pressure (HVLP) spray guns, aerosol cans, and brushing to apply coatings, exhausting within the building, capacity: 0.10 trailers per hour and less than five (5) gallons of coatings per day.
 - (2) Woodworking operations, with a maximum wood capacity of 7.0 lbs/hr and a maximum trailer capacity of 0.10 trailers per hour, equipped with portable baghouse PB6 for particulate control, exhausting within the building, and consisting of:
 - (i) One (1) table saw;
 - (ii) One (1) chop saw ;
 - (iii) One (1) band saw.

A.4 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

- (a) The following welding and cutting operations:
 - (1) Two (2) metal inert gas welding stations using steel wire, with a capacity of 0.354 pound per hour wire, each.
 - (2) Two (2) metal inert gas welding stations using aluminum wire, with a capacity of 0.1 pound per hour wire, each.
 - (3) Two (2) metal inert gas welding stations using silicone carbide wire, with a capacity of 0.02 pound per hour wire, each.

- (4) Two (2) stick welding stations with a capacity of 0.12 pound per hour electrode.
 - (5) One (1) oxyacetylene cutting station, maximum metal thickness cut is 0.375, and maximum metal cutting rate of 0.167 inch per minute.
 - (6) Two (2) metal inert gas welding stations, with a capacity of 0.14 pounds of weld wire per hour, each.
- (b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, including:
- (1) One (1) natural gas-fired radiant heater, identified as HW1, capacity: 0.150 million British thermal units per hour (mmBtu/hr).
 - (2) Two (2) natural gas-fired space heaters, identified as H6 and H7, capacity: 0.250 mmBtu/hr, each.
 - (3) One (1) natural gas-fired air circulator, identified as L1, in the lamination area, capacity: 0.400 mmBtu/hr.
 - (4) Two (2) natural gas-fired air circulators, identified as L2 and L3, in the lamination area, capacity: 0.580 mmBtu/hr, each.
 - (5) Two (2) natural gas-fired radiant heaters, identified as L4 and L5, in the lamination area, capacity: 0.100 mmBtu/hr, each.
 - (6) Six (6) natural gas-fired radiant heaters, identified as H1 through H6, capacity: 0.15 MMBtu/hr, each.
 - (7) Two (2) natural gas-fired space heaters, identified as H7 and H10, capacity: 0.20 MMBtu/hr, each.
 - (8) One (1) natural gas-fired space heater, identified as H8, capacity: 0.10 MMBtu/hr.
 - (9) One (1) natural gas-fired space heater, identified as H9, capacity: 0.32 MMBtu/hr.
 - (10) Two (2) natural gas-fired space heater, identified as H11 and H12, capacity 0.24 MMBtu/hr, each.
- (c) One (1) hot-melt gluing operation, which includes a heating device, application device and an atmospheric humidifying system emitting only water vapor. Cleanup operation is accomplished by using absorbent and no solvents.
- (d) Diesel fuel above ground storage tank, with a capacity of 250 gallons and dispersing less than 1,000 gallons per month.
- (e) Hydraulic oil storage tank, with a capacity of 250 gallons located inside the building.
- (f) 55-gallon containers of roof glue.
- (g) Closed loop heating and cooling system.
- (h) Paved and unpaved roads used for storing chassis frame and units.

A.5 FESOP Applicability [326 IAC 2-8-2]

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

SECTION B

GENERAL CONDITIONS

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

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

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

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

B.3 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

- (a) This permit, F039-19844-00376, 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.4 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.5 Enforceability [326 IAC 2-8-6] [IC 13-17-12]

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

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

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

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

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

requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

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

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

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

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

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

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

B.11 Compliance Order Issuance [326 IAC 2-8-5(b)]

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

B.12 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within 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 Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

B.13 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,
Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

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

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

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

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

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may

require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

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

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

B.14 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to F039-19844-00376 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.15 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.16 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

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

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

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

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

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

B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.18 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by 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
Permits Branch, 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 nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.19 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.20 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

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

and

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

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

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

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

- (b) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-8-11.1]

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

B.22 Inspection and Entry [326 IAC 2-8-5(a)(2)][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 FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

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

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

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

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

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

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

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Advanced Source Modification Approval [326 IAC 2-8-4(11)] [326 IAC 2-1.1-9]

- (a) The requirements to obtain a permit modification under 326 IAC 2-8-11.1 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3.
- (b) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction, work is suspended for a continuous period of one (1) year or more.

B.26 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-8-4(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 Overall Source Limit [326 IAC 2-8]

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

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (PSD), potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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 Stack Height [326 IAC 1-7]

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

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue

MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

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

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

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

C.9 Performance Testing [326 IAC 3-6]

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

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

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

C.11 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

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

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

C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.13 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

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

C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

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

C.15 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

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

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

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

C.17 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

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

C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise

specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

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

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

SECTION D.1

FACILITY OPERATION CONDITIONS

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

Dutchmen Manufacturing, Inc. - 2021 Kercher Road, Goshen, Indiana

- (a) One (1) Classic travel trailer production line, constructed in 1999, with a maximum production capacity of 1.75 trailers per hour and a maximum throughput of 4,352.25 pounds of wood per hour, including the following operations:
- (1) One (1) cabinet and milling area, equipped with two (2) table saws, one (1) radial arm saw, one (1) vertical panel saw, one (1) vertical band saw, one (1) belt sander, and one (1) drill press exhausting through one (1) cyclone, identified as P1; three (3) miter saws, exhausting through two (2) portable baghouses, identified as B1 and B2; and two (2) jet pin routers exhausting through one (1) cyclone, identified as P2; using aerosol cans and non-spray methods to apply materials; capacity: 2.5 travel trailers per hour and 1,186.5 pounds of wood, panelboard and plywood per hour, total.
 - (2) One (1) slide-out assembly area, using aerosol cans and non-spray methods to apply materials, capacity: 1.75 travel trailers per hour.
 - (3) One (1) assembly and final finish area, equipped with two (2) miter saws for wood trims, exhausting through one (1) baghouse, identified as B3; one (1) table saw for back-up and remedial cutting of precut wood roof panels, exhausting to one (1) baghouse, identified as B4; and metal working equipment including two (2) miter saws for metal and PVC tubes, one (1) band saw, three (3) miter saws, one (1) router, one (1) radial arm saw, two (2) chop saws, and two (2) metal grinders; using one (1) caulk gun, aerosol cans and non-spray methods to apply materials; capacity: 1.75 travel trailers per hour, 0.798 pounds of wood through the woodworking process per hour, 10.3 pounds of metal through the metal working process per hour, and 5.7 pounds of PVC through the metal working process per hour, total.
 - (4) One (1) touchup and repair area, using one (1) HVLP spray gun, aerosol cans and non-spray methods to apply materials, maximum capacity: 0.52 units per hour.

Dutchmen Manufacturing, Inc. - 2142 Caragana Court, Goshen, Indiana

- (b) One (1) Colorado travel trailer production line, constructed in the present location in 2003, with a maximum production capacity of 1.25 travel trailers per hour and a maximum throughput of 2,767.5 pounds of wood per hour, including the following operations:
- (1) One (1) cabinet and milling area, equipped with eight (8) miter saws, one (1) table saw, two (2) radial arm saws, one (1) horizontal band saw, one (1) belt sander, five (5) fix routers, and one (1) pin router, all exhausting through one (1) baghouse, identified as P3; using aerosol cans and non-spray methods to apply materials; capacity: 1.25 travel trailers per hour and 903.125 pounds of wood, luan, panelboard and plywood per hour.
 - (2) One (1) slide-out assembly area, equipped with one (1) miter saw, exhausting through one (1) portable baghouse, identified as B5; using aerosol cans and non-spray methods to apply materials; capacity: 1.25 travel trailers per hour and 18.4 pounds of wood through the sawing operation per hour.

- (3) One (1) assembly and final finish area, equipped with two (2) miter saws for cutting wood trims exhausting through one (1) portable baghouse, identified as B6; two (2) miter saws for cutting aluminum tubes and pipes each exhausting through one (1) of two (2) portable baghouses, identified as B7 and B8; one (1) miter saw for cutting ABS/PVC pipes, exhausting through one (1) portable baghouse, identified as B8; one (1) chop saw for cutting metal rods, exhausting through one (1) portable baghouse, identified as B9; one (1) band saw for cutting aluminum extrusions, exhausting through a portable baghouse, identified as B10; using aerosol cans and non-spray methods to apply materials; capacity: 1.25 travel trailers per hour, 9.06 pounds of wood through the woodworking process per hour, 21.6 pounds of metal through the metal working process per hour, and 16.0 pounds of PVC through the metal working process per hour, total.
- (4) One (1) touchup and repair area, using one (1) HVLP spray gun, aerosol cans and non-spray methods to apply materials, maximum capacity: 0.38 units per hour.

Dutchmen Manufacturing, Inc. - 2410 Dierdorff Rd., Goshen, Indiana

- (c) One (1) wall lamination area, installed in 2005, equipped with three (3) miter saws, one (1) table saw, one (1) radial arm saw, one (1) upright panel saw, one (1) vertical band saw, one (1) horizontal band saw, one (1) belt sander, one (1) jet pin router, one (1) hot melt laminating machine, and one (1) cold adhesive laminating machine, using aerosol cans and non-spray methods to apply materials, with all saws exhausting through one (1) baghouse, identified as B11, capacity: 1.75 Classic Line units per hour, 1.25 Colorado Line units per hour, and 109 pounds of wood through the woodworking process per hour.
- (d) One (1) waste minimization, wood waste grinding system, constructed in 2005, equipped with a baghouse, identified as P4, with a return air duct exhausting inside or to the atmosphere, capacity: 36 tons of wood per week.

Dutchmen Manufacturing, Inc. - 2402 Dierdorff Rd., Goshen, Indiana

- (e) One (1) T@B Trailer line, approved for construction in 2008, consisting of:
 - (1) One (1) laminating operation, identified as roof lamination, utilizing wiping applications, capacity: 0.75 travel trailers per hour.
 - (2) One (1) chassis preparation, identified as chassis prep, utilizing aerosol cans and wiping applications, capacity: 0.75 travel trailers per hour.
 - (3) One (1) mill and cabinet shop, identified as mill and cabinet shop, utilizing wiping applications, with particulate from woodworking controlled by two (2) baghouses (PB1 and PB2), exhausting inside, capacity: 6.54 pounds of wood, luan and plywood per hour and 0.75 travel trailers per hour. This operation consists of:
 - (A) Two (2) table saws, identified as TS1 and TS2.
 - (B) One (1) sander, identified as SA1.
 - (C) One (1) chop saw, identified as CS1.
 - (D) One (1) band saw, identified as BS.
 - (4) One (1) assembly operation, identified as assembly, utilizing aerosol cans and wiping applications, capacity: 0.75 travel trailers per hour.

- (5) One (1) final finish operation, identified as final finish, utilizing aerosol cans and wiping applications, capacity: 0.75 travel trailers per hour.

Dutchmen Manufacturing, Inc. - 2639 Lincolnway East, Goshen, Indiana

- (f) One (1) Aero travel trailer production line, approved for construction in 2008, consisting of the following:
- (1) One (1) woodworking area, equipped with cyclone P5 and portable baghouses PB3 through PB5 for particulate control, with cyclone P5 exhausting to stack P5, and portable baghouses PB3 through PB5 exhausting within the building, capacity: 716 lb/hr, and consisting of the following:
 - (i) Two (2) table saws;
 - (ii) Eight (8) chop saws;
 - (iii) One (1) radial arm saw;
 - (iv) Two (2) vertical band saws;
 - (v) One (1) horizontal band saw;
 - (vi) Two (2) belt sanders;
 - (vii) Three (3) drill presses;
 - (viii) One (1) pin router; and
 - (ix) Two (2) sanders.
 - (2) One (1) travel trailer assembly area, using spray cans, brushes, and wiping to apply materials, exhausting within the building, capacity: 1.0 trailers per hour and less than five (5) gallons of coating per day.
 - (3) One (1) travel trailer final finishing line, using spray cans and wiping to apply materials, exhausting within the building, capacity: 1.0 trailers per hour and less than five (5) gallons of coating per day.
 - (4) One (1) travel trailer touch-up and repair area, equipped with two (2) airless paint guns and also using wiping to apply materials, exhausting within the building, capacity: 0.2 trailers per hour and less than five (5) gallons of coating per day.
- (g) One (1) Dutchmen Repair Services, approved for construction in 2008, consisting of:
- (1) Coating operations, using two (2) high volume low pressure (HVLP) spray guns, aerosol cans, and brushing to apply coatings, exhausting within the building, capacity: 0.10 trailers per hour and less than five (5) gallons of coating per day.
 - (2) Woodworking operations, with a maximum wood capacity of 7.0 lbs/hr and a maximum trailer capacity of 0.10 trailers per hour, equipped with portable baghouse PB6 for particulate control, exhausting within the building, and consisting of:
 - (i) One (1) table saw;
 - (ii) One (1) chop saw; and

- (iii) One (1) band saw.

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

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

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

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

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

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

D.1.2 Volatile Organic Compounds [326 IAC 2-8] [326 IAC 8-1-6]

- (a) The use of VOC, including coatings, adhesives, sealants, dilution solvents, and cleaning solvents at the Classic travel trailer production line, Colorado travel trailer production line, wall lamination area, T@B trailer line, Aero travel trailer production line, and the Dutchmen Repair Services, combined, shall be limited to 99.0 tons per twelve (12) consecutive month period with compliance determined at the end of each month. This usage limit is required to limit the potential to emit of VOC to less than 100 tons per year from the entire source. Compliance with this limit makes 326 IAC 2-7 (Part 70) not applicable.
- (b) The use of VOC when cleaning or applying coatings, sealants, solvents, or adhesives to plastic, glass, rubber, and wood parts, other than wood furniture and cabinets, at the Classic travel trailer production line, including the cabinet and mill, slide-out assembly, assembly and final finish, touchup and repair and wall lamination areas, shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit VOC from the Classic travel trailer production process, other than metal coating and wood furniture and cabinet coating, to less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.
- (c) The use of VOC when cleaning or applying coatings, sealants, solvents, or adhesives to plastic, glass, vinyl, rubber, and wood parts, other than wood furniture and cabinets, at the Colorado travel trailer production line, including the cabinet and mill, slide-out assembly, assembly and final finish, touchup and repair and wall lamination areas, shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit the potential to emit VOC from the Colorado travel trailer production process, other than metal coating and wood furniture and cabinet coating, to less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

D.1.3 Particulate [326 IAC 6-3-2] [326 IAC 2-2]

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the woodworking operations at the cabinet and milling area for the Classic travel trailer production line, located at 2021 Kercher Road, shall not exceed 2.89 pounds per hour, when operating at a process weight rate of 1,186.5 pounds of wood per hour.
- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the woodworking and metalworking (including PVC cutting) operations at the assembly and final finish area for the Classic travel trailer production line, located at 2021 Kercher Road, shall not exceed 0.551 pounds per hour, when operating at a process weight rate less than 100 pounds per hour.
- (c) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the woodworking operations at the cabinet and milling area for the Colorado travel trailer production line, located at 2142 Caragana Court, shall not exceed 2.41 pounds per hour, when operating at a process weight rate of 903.125 pounds of wood per hour.
- (d) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the woodworking operations at the assembly and final finish area for the Colorado travel trailer production line, located at 2142 Caragana Court, shall not exceed 0.551 pounds per hour, when operating at a process weight rate less than 100 pounds per hour.
- (e) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the woodworking operations at the wall lamination area, located at 2410 Dierdorff Road, shall not exceed 0.584 pounds per hour, when operating at a process weight rate of 109 pounds of wood per hour.
- (f) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the wood waste grinding operation, located at 2410 Dierdorff Road, shall not exceed 3.82 pounds per hour, when operating at a process weight rate of 1,800 pounds of wood per hour.
- (g) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the woodworking operations at the T@B trailer line, shall not exceed 0.551 pounds per hour, when operating at a process weight rate less than 100 pounds per hour.
- (h) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate matter (PM) from the Aero travel trailer production line woodworking operations shall not exceed 2.06 pounds per hour when operating at a process weight rate of 716 pounds per hour.

These limitations are based upon the following:

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

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

These limitations shall also limit the potential to emit PM from the entire source to less than 250 tons per year. Therefore, the requirements of 326 IAC 2-2, PSD, are not applicable.

D.1.4 Particulate (PM₁₀) [326 IAC 2-2] [326 IAC 2-8]

Pursuant to 326 IAC 2-8, FESOP, the PM₁₀ emissions shall be limited as shown in the following table. As a result of these limitations, the potential to emit PM₁₀ is limited to less than 100 tons per year from the entire source. Therefore, compliance with these limits makes 326 IAC 2-7, Part 70, and 326 IAC 2-2, PSD, not applicable.

Process	Hourly PM ₁₀ Emission Limitation (lbs/hr)
Classic Travel Trailer Cabinet and milling area woodworking	2.89
Classic Travel Trailer Assembly and final finish area woodworking and metalworking (including PVC cutting)	0.551
Colorado Travel Trailer Cabinet and milling area woodworking	2.41
Colorado Travel Trailer Assembly and final finish area woodworking and metalworking (including PVC cutting)	0.551
Wall lamination area woodworking	0.584
Wood waste grinding	3.82
T@B trailer line woodworking	0.12

D.1.5 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for all of these facilities and the control devices identified as P1, P2, P3, P4, P5, B3, B4, B6, B7, B8, B9, B10, PB1, PB2, PB3, PB4, PB5 and PB6.

Compliance Determination Requirements

D.1.6 Volatile Organic Compounds (VOC) [326 IAC 8-1-2] [326 IAC 8-1-4]

Compliance with the VOC usage limitations contained in Condition D.1.2 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.1.7 Particulate Control

- (a) In order to comply with Conditions D.1.3 and D.1.4, the cyclone identified as P1, for particulate control, shall be in operation and control emissions from the cabinet and milling area woodworking processes at the Classic travel trailer production line at all times that the cabinet and milling area woodworking processes at the Classic travel trailer production line are in operation.
- (b) In order to comply with Conditions D.1.3 and D.1.4, the cyclone identified as P2, for particulate control, shall be in operation and control emissions from the two (2) jet pin routers at the cabinet and milling area of the Classic travel trailer production line at all times that the two (2) jet pin routers are in operation.
- (c) In order to comply with Conditions D.1.3 and D.1.4, the baghouse identified as B3, for particulate control, shall be in operation and control emissions from the two (2) miter saws for wood trims in the assembly and final finish area of the Classic travel trailer production line at all times that the two (2) miter saws are in operation.

- (d) In order to comply with Conditions D.1.3 and D.1.4, the baghouse identified as B4, for particulate control, shall be in operation and control emissions from the one (1) table saw in the assembly and final finish area of the Classic travel trailer production line at all times that the one (1) table saw is in operation.
- (e) In order to comply with Conditions D.1.3 and D.1.4, the baghouse identified as P3, for particulate control, shall be in operation and control emissions from the cabinet and milling area at the Colorado travel trailer production line at all times that the cabinet and milling area woodworking processes at the Colorado travel trailer production line are in operation.
- (f) In order to comply with Conditions D.1.3 and D.1.4, the baghouse identified as B6, for particulate control shall be in operation and control emissions from the two (2) miter saws for cutting wood trims at the assembly and final finish area of the Colorado travel trailer production line at all times that the two (2) miter saws are in operation.
- (g) In order to comply with Conditions D.1.3 and D.1.4, the baghouse identified as B7, for particulate control shall be in operation and control emissions from the two (2) miter saws for cutting aluminum tubes and pipes at the assembly and final finish area of the Colorado travel trailer production line at all times that the two (2) miter saws are in operation.
- (h) In order to comply with Conditions D.1.3 and D.1.4, the baghouse identified as B8, for particulate control shall be in operation and control emissions from the one (1) miter saw for cutting ABS/PVC pipes at the assembly and final finish area of the Colorado travel trailer production line at all times that the one (1) miter saw is in operation.
- (i) In order to comply with Conditions D.1.3 and D.1.4, the baghouse identified as B9, for particulate control shall be in operation and control emissions from the one (1) chop saw for cutting metal rods at the assembly and final finish area of the Colorado travel trailer production line at all times that the one (1) chop saw is in operation.
- (j) In order to comply with Conditions D.1.3 and D.1.4, the baghouse identified as B10, for particulate control shall be in operation and control emissions from the one (1) band saw for cutting aluminum extrusions at the assembly and final finish area of the Colorado travel trailer production line at all times that the one (1) band saw is in operation.
- (k) In order to comply with Conditions D.1.3 and D.1.4, the baghouse identified as P4, for particulate control shall be in operation and control emissions from the wood waste minimization grinder at all times that the wood waste minimization grinder is in operation.
- (l) In order to comply with Conditions D.1.3 and D.1.4, the baghouses identified as PB1 and PB2, for particulate control, shall be in operation and control emissions from the wood working processes at T@B trailer line at all times that the wood working processes at T@B trailer line are in operation.
- (m) In order to comply with Condition D.1.3, the cyclone P5 and baghouses identified as PB3 through PB5, for particulate control, shall be in operation and control emissions from the woodworking processes at Aero travel trailer production line at all times that the woodworking processes at Aero travel trailer production line are in operation.

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

D.1.8 Visible Emissions Notations

- (a) Daily visible emission notations of the Classic travel trailer production line cabinet and milling area and assembly and final finish area stack exhausts, the Colorado travel trailer production line cabinet and milling area and assembly and final finish area stack

exhausts, the wood waste grinding stack exhausts, the Aero travel trailer production line's woodworking area stack exhausts, and the Dutchmen Repair Services woodworking area stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

D.1.9 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

D.1.10 Cyclone Inspections

An inspection shall be performed each calendar quarter of all cyclones (P1 and P2) controlling the Classic travel trailer production line cabinet and milling area woodworking operations, and the cyclone controlling the Aero travel trailer production line woodworking area (P5), when venting to the atmosphere. A cyclone inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors.

D.1.11 Cyclone Failure Detection

In the event that cyclone failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

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

D.1.12 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.2(a), (b) and (c), the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and the VOC emission limits established in Condition D.1.2. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
- (1) The VOC content of each coating material and solvent used.
 - (2) The amount of coating material and solvent less water used on monthly 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 solvents;
 - (3) The cleanup solvent usage for each month;
 - (4) The total VOC usage for each month for each production line and total; and
 - (5) The weight of VOCs emitted for each compliance period.
- (b) To document compliance with Condition D.1.8, the Permittee shall maintain records of daily visible emission notations of the cyclone stack exhausts (P1, P2, and P5) and baghouse stack exhausts (P3 and P4). The Permittee shall include in its daily record when a visible emission notation (e.g. the process did not operate that day).
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.13 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Dutchmen Manufacturing, Inc.
Source Address: 2021 Kercher Road, 2142 Caragana Ct., 2410 Dierdorff Rd., 2402 Dierdorff Rd., and
2639 Lincolnway East, Goshen, Indiana 46526
Mailing Address: 2164 Caragana Court, Goshen, Indiana 46526
FESOP No.: F 039-19844-00376

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

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

Source Name: Dutchmen Manufacturing, Inc.
Source Address: 2021 Kercher Rd., 2142 Caragana Ct., 2410 Dierdorff Rd., 2402 Dierdorff Rd., and
2639 Lincolnway East, Goshen, Indiana 46526
Mailing Address: 2164 Caragana Court, Goshen, Indiana 46526
FESOP No.: F 039-19844-00376

This form consists of 2 pages

Page 1 of 2

- | |
|---|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none">• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16 |
|---|

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

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

FESOP Quarterly Report

Source Name: Dutchmen Manufacturing, Inc.
Source Address: 2021 Kercher Rd., 2142 Caragana Ct., 2410 Dierdorff Rd., 2402 Dierdorff Rd., and
2639 Lincolnway East, Goshen, Indiana 46526
Mailing Address: 2164 Caragana Court, Goshen, Indiana 46526
FESOP No.: F 039-19844-00376
Facilities: Classic travel trailer production line, Colorado travel trailer production line, wall
lamination, T@B trailer line, Aero travel trailer production line, and Dutchmen Repair
Services.
Parameter: VOC usage, including coatings, sealants, adhesives, dilution solvents, and cleaning
solvents
Limit: 99.0 tons per twelve (12) consecutive month period, with compliance determined at
the end of each month

YEAR: _____

Month	VOC Usage (tons)	VOC Usage (tons)	VOC Usage (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this month.
- Deviation/s occurred in this month.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Dutchmen Manufacturing, Inc.
Source Address: 2021 Kercher Rd., 2142 Caragana Ct., 2410 Dierdorff Rd., 2402 Dierdorff Rd., and
2639 Lincolnway East, Goshen, Indiana 46526
Mailing Address: 2164 Caragana Court, Goshen, Indiana 46526
FESOP No.: F 039-19844-00376
Facility: Classic travel trailer production line, including the cabinet and mill, slide-out assembly,
assembly and final finish, touchup and repair and wall lamination areas
Parameter: VOC usage when cleaning or applying coatings, sealants, solvents, or adhesives to
plastic, glass, rubber, and wood parts, other than wood furniture and cabinets
Limit: Less than 25.0 tons per twelve (12) consecutive month period, with compliance
determined at the end of each month

YEAR: _____

Month	VOC Usage (tons)	VOC Usage (tons)	VOC Usage (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this month.
- Deviation/s occurred in this month.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Dutchmen Manufacturing, Inc.
Source Address: 2021 Kercher Rd., 2142 Caragana Ct., 2410 Dierdorff Rd., 2402 Dierdorff Rd., and
2639 Lincolnway East, Goshen, Indiana 46526
Mailing Address: 2164 Caragana Court, Goshen, Indiana 46526
FESOP No.: F 039-19844-00376
Facility: Colorado travel trailer production line, including the cabinet and mill, slide-out assembly,
assembly and final finish, touchup and repair and wall lamination areas
Parameter: VOC usage when cleaning or applying coatings, sealants, solvents, or adhesives to
plastic, glass, rubber, and wood parts, other than wood furniture and cabinets
Limit: Less than 25.0 tons per twelve (12) consecutive month period, with compliance
determined at the end of each month

YEAR: _____

Month	VOC Usage (tons)	VOC Usage (tons)	VOC Usage (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this month.
- Deviation/s occurred in this month.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

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

Source Name: Dutchmen Manufacturing, Inc.
 Source Address: 2021 Kercher Rd., 2142 Caragana Ct., 2410 Dierdorff Rd., 2402 Dierdorff Rd., and
 2639 Lincolnway East, Goshen, Indiana 46526
 Mailing Address: 2164 Caragana Court, Goshen, Indiana 46526
 FESOP No.: F 039-19844-00376

Months: _____ to _____ Year: _____

Page 1 of 2

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Addendum to the Technical Support Document (ATSD) for a
Significant Permit Revision to a FESOP

Source Background and Description
--

Source Name:	Dutchmen Manufacturing, Inc.
Source Location:	2021 Kercher Road, Goshen, IN 46526 2142 Caragana Court, Goshen, IN 46526 2410 Dierdorff Road, Goshen, IN 46526 2402 Dierdorff, Road, Goshen, IN 46525 2639 Lincoln Way East, Goshen, IN 46526
County:	Elkhart
SIC Code:	3792
Operation Permit No.:	F 039-19844-00376
Operation Permit Issuance Date:	October 20, 2005
Significant Permit Revision No.:	F 039-27102-003376
Permit Reviewer:	Jason R. Krawczyk

On January 6, 2009, the Office of Air Quality (OAQ) had a notice published in Goshen News, Goshen, Indiana, stating that Dutchmen Manufacturing, Inc. had applied for a significant permit revision to add an Aero travel trailer production line and Dutchmen Repair Services plant. The notice also stated that the OAQ proposed to issue a significant permit revision for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Comments and Responses

On February 5, 2009, Dutchmen Manufacturing, Inc.'s consultant, Dr. Divinia Ries submitted comments to IDEM, OAQ on the draft FESOP Significant Permit Revision.

The Technical Support Document (TSD) is used by IDEM, OAQ for historical purposes. IDEM, OAQ does not make any changes to the original TSD, but the Permit will have the updated changes. The comments and revised permit language are provided below with deleted language as ~~strikeouts~~ and new language **bolded**.

Comment 1:

The source indicates that the use of the phrase "contiguous or adjacent" in Section A.2 may not be accurate because the Aero travel trailer production line is located less than a mile away from the other four (4) Dutchmen Manufacturing plants. The source also notes that there are typographical errors in the section.

Response to Comment 1:

IDEM, OAQ agrees and has revised the permit as follows:

...

A.2 Source Definition [326 IAC 2-8-1] [326 IAC 2-7-1(22)]

This travel trailer manufacturing source consists of ~~three~~ **five** buildings:

...

Since the ~~four~~ **five** (5) plants are located on contiguous or adjacent properties, **or within one (1) mile of each other**, belong to the same industrial grouping, and are under common control of the same entity, they will be considered one (1) source, effective from the date of issuance of this FESOP.

Comment 2:

The source has indicated that 2639 Lincolnway East, Indiana 46256 is missing from the source address in Section A.1.

Response to Comment 2:

IDEM, OAQ has included 2639 Lincolnway East in the Source Address as follows:

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

The Permittee owns and operates a stationary travel trailer manufacturing source.

Source Address: 2021 Kercher Road, 2142 Caragana Ct., 2410 Dierdorff Rd., and
2402 Dierdorff Rd., **2639 Lincolnway East**, Goshen, Indiana 46526

Comment 3:

The source has indicated that portable baghouses PB3 through PB5 and PB6 exhaust within the building and not through any stack(s).

Response to Comment 3:

The emission unit descriptions in Sections A.3 and D.1 have been changed to reflect that the portable baghouses exhaust within the building. The visible emissions notations requirements and coinciding recordkeeping requirements have been removed for baghouses PB3 through PB5 and PB6.

Comment 4:

The source has indicated that Section D.1.4 is missing PM10 emission limitations for the Aero Travel trailer woodworking.

Response to Comment 4:

No PM10 emission limitations were included in the permit for the Aero travel trailer production line's woodworking because the combined limited potential to emit of all other emissions units at the source and the uncontrolled potential to emit from the Aero travel trailer production line's woodworking is less than 100 tons per year. Therefore, no PM10 emissions limitation was required for the Aero travel trailer production line's woodworking operations. IDEM has not made any changes to the permit regarding this comment.

Comment 5:

The source has indicated that baghouses B3, B4, and B6 through B10 exhaust within the building.

Response to Comment 5:

The visible emissions notations requirements and coinciding recordkeeping requirements have been removed for baghouses B3, B4, and B6 through B10.

Additional Changes

IDEM, OAQ has decided to make additional revisions to the permit as described below, with deleted language as ~~strikeouts~~ and new language **bolded**.

- (a) IDEM, OAQ has changed the reference to FESOP number 039-19844-00376 in the calculations to reference the significant permit revision number 039-27102-00376.
- (b) Upon further review, IDEM, OAQ has determined that once per quarter baghouse inspections are not necessary to determine if the devices are working properly. Therefore, the requirement and all references have been removed from the permit and the remaining conditions have been re-numbered accordingly.
- (c) In order to clarify recordkeeping requirements specific to parametric monitoring, Conditions D.1.2(b) was revised as follows:

...

D.1.12 Record Keeping Requirements

...

- (b) To document compliance with Condition D.1.8, the Permittee shall maintain records of daily visible emission notations of the cyclone stack exhausts (P1, P2, and P5) and baghouse stack exhausts (P3 and P4). **The Permittee shall include in its daily record when a visible emission notation (e.g. the process did not operate that day).**

...

- (d) IDEM has reconsidered the requirement to develop and follow a Compliance Response Plan. The "Compliance Response Plan" had been replaced by the condition for "Response to Excursions or Exceedances" (Condition C.15). All references to Compliance Response Plan have been replaced with Response to Excursions or Exceedances.
- (e) IDEM has determined that is the Permittee's responsibility to include routine control device inspection requirements in the applicable preventative maintenance plan. The requirement to keep records of the inspections has been removed as follows:

...

D.1.12 Record Keeping Requirements

...

- (d) ~~To document compliance with Condition D.1.5, the Permittee shall maintain of records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

...

IDEM Contact

- (a) Questions regarding this proposed significant permit revision can be directed to Jason R. Krawczyk 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) 232-8427 or toll free at 1-800-451-6027 extension 2-8427.
- (b) A copy of the permit 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

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

Technical Support Document (TSD) for a Significant Permit Revision to a
Federally Enforceable State Operating Permit (FESOP)

Source Description and Location	
--	--

Source Name:	Dutchmen Manufacturing, Inc.
Source Location(s):	2021 Kercher Road, Goshen, IN 46526 2142 Caragana Court, Goshen, IN 46526 2410 Dierdorff Road, Goshen, IN 46526 2402 Dierorff Road, Goshen, IN 46526 2639 Lincoln Way East, Goshen, IN 46526
County:	Elkhart
SIC Code:	3792
Operation Permit No.:	F 039-19844-00376
Operation Permit Issuance Date:	October 20, 2005
Significant Permit Revision No.:	F 039-27102-00376
Permit Reviewer:	Jason R. Krawczyk

On October 31, 2008, the Office of Air Quality (OAQ) received an application from Dutchmen Manufacturing, Inc. related to a modification to an existing stationary travel trailer manufacturing source.

Source Definition

This source consists of the following plants:

- (a) The Classic travel trailer production line is located at 2021 Kercher Road, Goshen, Indiana 46526;
- (b) The Colorado travel trailer production line is located at 2142 Caragana Court, Goshen, Indiana 46526; and
- (c) The wall lamination and wood waste grinding is located at 2410 Dierdorff Road, Goshen, Indiana 46526; and
- (d) The T@B trailer production line is located at 2402 Dierorff Road, Goshen, Indiana 46526.

These plants are located on contiguous properties, have the same SIC code of 3792 and are under common control; therefore, they will be considered one (1) source, as defined by 326 IAC 2-7-1(22). This determination was initially made under FESOP No. 039-19844-00376, issued on October 20, 2005.

The source is adding the following plants:

- (a) The Aero travel trailer production line and repair services to be located at 2639 Lincoln Way East, Goshen, IN 46526.

In order to consider the plants as one single source, all three of the following criteria must be met:

- (1) The plants must have common ownership/control;
- (2) The plants must have the same SIC code; and
- (3) The plants must be located on contiguous or adjacent properties.

The new plant is located on adjacent property to the existing plants (a) through (d) above, has the same

SIC code of 3792 and is under common control; therefore, the new plant will be considered as the part of the source

Existing Approvals

The source was issued FESOP No. 039-19844-00376 on October 20, 2005. The source has since received the following approval:

- (a) Administrative Amendment No. 039-26266-00376, issued on April 10, 2008.

County Attainment Status

The source is located in Elkhart County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective July 19, 2007, 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.

¹Attainment effective October 18, 2000, for the 1-hour ozone standard for the South Bend-Elkhart area, including Elkhart County, and is a maintenance area for the 1-hour National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X*. The 1-hour standard was revoked effective June 15, 2005.
Unclassifiable or attainment effective April 5, 2005, for PM2.5.

- (a) Ozone Standards

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

- (b) PM2.5

Elkhart County has been classified as attainment for PM2.5. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM2.5 emissions, and the effective date of these rules was July 15th, 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 PM2.5 emissions until 326 IAC 2-2 is revised.

- (c) Other Criteria Pollutants

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

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

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)								
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Insignificant Activities	0.09	0.15	0.15	0.01	1.06	0.06	0.89	0.02	0.019 Hexane
Total PTE before Revision	52.98	53.04	53.04	0.006	1.06	<100	0.887	6.83	2.85 Xylenes
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	NA	NA
negl. = negligible These emissions are based upon emissions calculations for F039-19844-000376. Since the issuance of F039-19844-00376, MEK has been de-listed by the U.S. EPA as a hazardous air pollutant. The table reflects the new Total HAP and Worst Single HAP emissions excluding MEK emissions.									

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because the unlimited potential to emit HAPs are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by Dutchmen Manufacturing, Inc. on October 31, 2008, relating to the addition of the Aero travel trailer production line and Dutchmen Repair Services plant to be located at 2639 Lincoln Way East, Goshen, IN 46526.

The following is a list of the new emission units and pollution control devices:

Dutchmen Manufacturing, Inc. - 2639 Lincolnway East. Goshen, Indiana

- (a) One (1) Aero travel trailer production line, approved for construction in 2008, consisting of the following:
 - (1) One (1) woodworking area, equipped with cyclone P5 and portable baghouses PB3 through PB5 for particulate control, exhausting to stacks P5 and PB3 through PB5, capacity: 716 lb/hr, and consisting of the following:
 - (i) Two (2) table saws;
 - (ii) Eight (8) chop saws;
 - (iii) One (1) radial arm saw;
 - (iv) Two (2) vertical band saws;
 - (v) One (1) horizontal band saw;
 - (vi) Two (2) belt sanders;

- (vii) Three (3) drill presses;
 - (viii) One (1) pin router; and
 - (ix) Two (2) sanders.
- (2) One (1) travel trailer assembly area, using spray cans, brushes, and wiping to apply materials, exhausting within the building, capacity: 1.0 trailers per hour.
 - (3) One (1) travel trailer final finishing line, using spray cans and wiping to apply materials, exhausting within the building, capacity: 1.0 trailers per hour.
 - (4) One (1) travel trailer touch-up and repair area, equipped with two (2) airless paint guns and also using wiping to apply materials, exhausting within the building, capacity: 0.2 trailers per hour.
- (b) One (1) Dutchmen Repair Services, approved for construction in 2008, consisting of:
- (1) Coating operations, using two (2) high volume low pressure (HVLP) spray guns, aerosol cans, and brushing to apply coatings, exhausting within the building, capacity: 0.10 trailers per hour.
 - (2) Woodworking operations, with a maximum wood capacity of 7.0 lbs/hr and a maximum trailer capacity of 0.10 trailers per hour, equipped with portable baghouse PB6 for particulate control, exhausting through stack PB6, and consisting of:
 - (i) One (1) table saw;
 - (ii) One (1) chop saw ;
 - (iii) One (1) band saw.

The following is a list of the new insignificant activities:

- (a) Two (2) metal inert gas welding stations, with a capacity of 0.14 pounds of weld wire per hour.
- (b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including:
 - (1) Six (6) natural gas-fired radiant heaters, identified as H1 through H6, capacity: 0.15 MMBtu/hr, each.
 - (2) Two (2) natural gas-fired space heaters, identified as H7 and H10, capacity: 0.20 MMBtu/hr, each.
 - (3) One (1) natural gas-fired space heater, identified as H8, capacity: 0.10 MMBtu/hr.
 - (4) One (1) natural gas-fired space heater, identified as H9, capacity: 0.32 MMBtu/hr.
 - (5) Two (2) natural gas-fired space heaters, identified as H11 and H12, capacity: 0.24 MMBtu/hr, each.
- (c) Closed loop heating and cooling systems.

Enforcement Issues

There are no pending enforcement actions related to this revision.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – FESOP Revision

The following table is used to determine the appropriate permit level under 326 IAC 2-8.11.1. This table reflects the PTE before controls of the proposed revision. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/ Emission Unit	PTE of Proposed Revision (tons/year)								
	PM	PM10*	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Aero Travel Trailer production line coating processes including woodworking, assembly, final finish, and touch-up/repair	1.50	1.50	1.50	negl.	negl.	5.49	negl.	1.12	0.81 MDI
Aero Travel Trailer production line woodworking**	9.02	9.02	9.02	negl.	negl.	negl.	negl.	negl.	negl.
Dutchmen Repair Services	0.04	0.04	0.04	negl.	negl.	0.62	negl.	1.21	1.09 MDI
Insignificant Activities	0.02	0.07	0.07	0.27	0.96	0.05	0.81	0.02	0.02 Hexane
Total PTE of Proposed Revision	10.58	10.63	10.63	0.27	0.96	6.16	0.81	2.35	1.90 MDI
negl. = negligible * Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant". ** PTE for the Aero Travel Trailer production line woodworking is based on the allowable emission rate under 326 IAC 6-3-2, not based on the PTE after control.									

Even though the PTE of the proposed revision is less than 25 ton/yr, this FESOP is being revised through a FESOP Significant Permit Revision pursuant to 326 IAC 2-8-11.1(g)(2) because it involves adjustment to the existing source-wide emissions limitations to maintain the FESOP status of the source (see PTE of the Entire Source After The Issuance of the FESOP Revision Section).

PTE of the Entire Source After Issuance of the FESOP Revision

The table below summarizes the potential to emit of the entire source reflecting adjustment of existing limits, with updated emissions shown as **bold** values and previous emissions shown as ~~strikethrough~~ values.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Revision (tons/year)								
	PM	PM10*	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Classic travel trailer production line assembly and final finish area woodworking	2.41	2.41	2.41	negl.	negl.	negl.	negl.	negl.	negl.
Colorado travel trailer production line cabinet and milling area	10.56	10.56	10.56	negl.	negl.	negl.	negl.	negl.	negl.
Colorado travel trailer production line slide-out assembly area	1.17	1.17	1.17	negl.	negl.	negl.	negl.	negl.	negl.
Colorado travel trailer production line assembly and final finish area woodworking	2.41	2.41	2.41	negl.	negl.	negl.	negl.	negl.	negl.
Wall lamination area woodworking	2.56	2.56	2.56	negl.	negl.	negl.	negl.	negl.	negl.
Wood waste minimization	16.73	16.73	16.73	negl.	negl.	negl.	negl.	negl.	negl.
T@B Trailer line Woodworking Operations, including mill and cabinet shop	2.41	2.41	2.41	negl.	negl.	negl.	negl.	negl.	negl.
Aero Travel Trailer production line woodworking	9.02	9.02	9.02	negl.	negl.	negl.	negl.	negl.	negl.
Dutchmen Repair Services	0.04	0.04	0.04	negl.	negl.	0.62	negl.	1.21	0.02 Xylenes
Insignificant Activities	0.11	0.24	0.24	0.62	2.19	0.12	1.84	0.05	0.04 Hexane
Total PTE of Entire Source	62.61	62.73	62.73	0.62	2.19	<100	1.84	10.63	2.83 Xylenes
Title V Major Source Thresholds	NA	100	-	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	NA	NA
negl. = negligible									
* Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".									

(a) FESOP Status

This revision to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP).

(b) PSD Minor Source

This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) There are no New Source Performance Standards (NSPS)(40 CFR Part 60) included in the permit.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, 40 CFR 63.11169, Subpart HHHHHH (326 IAC 20-80), are not included in the permit, since this source does not perform Paint stripping operations that involve the use of chemical strippers that contain methylene chloride (MeCl), Autobody refinishing operations that encompass motor vehicle and mobile equipment spray-applied surface coating operations, or spray application of coatings containing compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd), collectively referred to as the target HAP to any part or product made of metal or plastic, or combinations of metal and plastic that are not motor vehicles or mobile equipment. The source manufactures and applies coatings to mobile equipment in the form of travel trailers and does not perform refinishing operations.
- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the permit.

Compliance Assurance Monitoring (CAM)

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

State Rule Applicability Determination

The following state rules are applicable to the source:

- (a) 326 IAC 2-8-4 (FESOP)
FESOP applicability is discussed under the PTE of the Entire Source After Issuance of the FESOP section above.
- (b) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))
PSD applicability is discussed under the PTE of the Entire Source After Issuance of the FESOP section above.
- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
This source is not subject to the requirements of 326 IAC 2-4.1, since the unlimited potential to emit of HAPs from the new units is less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.
- (d) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
- (e) 326 IAC 5-1 (Opacity Limitations)

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

- (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute non-overlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (f) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.

Aero Line Surface Coating

- (g) 326 IAC 2-8-4 (FESOP)
The existing FESOP Renewal limits the use of VOC, including coatings, adhesives, sealants, dilution solvents, and cleaning solvents at the Classic travel trailer production line, Colorado travel trailer production line, wall lamination area, and T@B trailer line, combined, to 99.0 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

Due to the addition of new emission units, this existing VOC limit is revised as follows:

- (1) The existing FESOP Renewal limits the use of VOC, including coatings, adhesives, sealants, dilution solvents, and cleaning solvents at the Classic travel trailer production line, Colorado travel trailer production line, wall lamination area, T@B trailer line, Aero travel trailer production line, and the Dutchmen Repair Services, combined, to 99.0 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (h) 326 IAC 6-3-1(b)(15) (Particulate Emission Limitations for Manufacturing Processes)
The Aero travel trailer production line's woodworking, travel trailer final finishing line, and travel trailer touch-up and repair coating operations are not subject to the requirements of 326 IAC 6-3-2, since the processes use less than five (5) gallons of coatings per day. Therefore, the requirements of 326 IAC 6-3-2 are not applicable.
- (i) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The proposed revision is not subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions from the Aero travel trailer production line is less than twenty-five (25) tons per year.
- (j) 326 IAC 8-2-9 (Miscellaneous Metal Coating)
The Aero travel trailer production line coats miscellaneous metal parts, however, emissions from coating metal are less than fifteen (15) pounds per day. Therefore, the requirements of 326 IAC 8-2-9 are not applicable.
- (k) 326 IAC 8-2-10 (Flat Wood Panels; Manufacturing Operations)
The Aero travel trailer production line does not coat any flat wood panels that are considered printed panels, natural finish hardwood plywood panels, or hardboard paneling with Class II finishes. Therefore, the requirements of 326 IAC 8-2-10 are not applicable.
- (l) 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating)

The Aero travel trailer production line does not coat any wood furniture or cabinets. Therefore, the requirements of 326 IAC 8-2-12, Wood Furniture and Cabinet Coating, are not included in the permit.

- (m) There are no other 326 IAC 8 Rules that are applicable to the Aero travel trailer production line.

Aero Line Woodworking Operation

- (n) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the Aero travel trailer production line woodworking operations shall not exceed 2.06 pounds per hour when operating at a process weight rate of 716 pounds per hour. The pound per hour limitation was calculated with 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 cyclone P5 and portable baghouses PB3 through PB5 shall be in operation at all times the woodworking operation is in operation, in order to comply with this limit.

Dutchmen Repair Services Coating Operations

- (o) 326 IAC 2-8-4 (FESOP)
See Aero Line Surface Coating above.
- (p) 326 IAC 6-3-1(b)(15) (Particulate Emission Limitations for Manufacturing Processes)
The Dutchmen Repair Services coating operations are not subject to the requirements of 326 IAC 6-3-2, since the process uses less than five (5) gallons of coatings per day. Therefore, the requirements of 326 IAC 6-3-2 are not applicable.
- (q) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The proposed revision is not subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions from the Dutchmen Repair Services is less than twenty-five (25) tons per year.
- (r) 326 IAC 8-2-9 (Miscellaneous Metal Coating)
The Dutchmen Repair Services coats miscellaneous metal parts, however, emissions from coating metal are less than fifteen (15) pounds per day. Therefore, the requirements of 326 IAC 8-2-9 are not applicable.
- (s) 326 IAC 8-2-10 (Flat Wood Panels; Manufacturing Operations)
The Dutchmen Repair Services does not coat any flat wood panels that are considered printed panels, natural finish hardwood plywood panels, or hardboard paneling with Class II finishes. Therefore, the requirements of 326 IAC 8-2-10 are not applicable.
- (t) 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating)
The Dutchmen Repair Services does not coat any wood furniture or cabinets. Therefore, the requirements of 326 IAC 8-2-12, Wood Furniture and Cabinet Coating, are not applicable.
- (u) There are no other 326 IAC 8 Rules that are applicable to the Dutchmen Repair Services.

Dutchmen Repair Services Woodworking Operations

- (v) 326 IAC 6-3-1(b)(14) (Particulate Emission Limitations for Manufacturing Processes)
 The Dutchmen Repair Services woodworking operations has potential emissions less than five hundred fifty-one thousandths (0.551) pounds per hour. Therefore, the requirements of 326 IAC 6-3-2 are not applicable.

Welding

- (w) 326 IAC 6-3-1(b)(9) (Particulate Emissions Limitations for Manufacturing Processes)
 The two (2) metal inert gas welding stations consume less than six-hundred twenty-five (625) pounds of weld wire per day. Therefore, the requirements of 326 IAC 6-3-2 are not applicable.

Compliance Determination, Monitoring and Testing Requirements
--

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

Emission Unit/ Control	Parameter	Frequency	Range	Excursions and Exceedances
P5, PB3, PB4, PB5, and PB6	Visible Emissions	Daily	Normal - Abnormal	Response Steps

- (b) There are no additional testing requirements applicable to this source as a result of this revision.

Proposed Changes

- (a) The following changes listed below are due to the proposed revision. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

...

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

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

...

Dutchmen Manufacturing, Inc. - 2639 Lincolnway East. Goshen, Indiana

- (f) **One (1) Aero travel trailer production line, approved for construction in 2008, consisting of the following:**
 - (1) **One (1) woodworking area, equipped with cyclone P5 and portable baghouses PB3 through PB5 for particulate control, exhausting to stacks P5 and PB3 through PB5, capacity: 716 lb/hr, and consisting of the following:**
 - (i) **Two (2) table saws;**
 - (ii) **Eight (8) chop saws;**
 - (iii) **One (1) radial arm saw;**
 - (iv) **Two (2) vertical band saws;**
 - (v) **One (1) horizontal band saw;**
 - (vi) **Two (2) belt sanders;**

- (vii) **Three (3) drill presses;**
- (viii) **One (1) pin router; and**
- (ix) **Two (2) sanders.**

- (2) **One (1) travel trailer assembly area, using spray cans, brushes, and wiping to apply materials, exhausting within the building, capacity: 1.0 trailers per hour and less than five (5) gallons of coatings per day.**

- (3) **One (1) travel trailer final finishing line, using spray cans and wiping to apply materials, exhausting within the building, capacity: 1.0 trailers per hour and less than five (5) gallons of coatings per day.**

- (4) **One (1) travel trailer touch-up and repair area, equipped with two (2) airless paint guns and also using wiping to apply materials, exhausting within the building, capacity: 0.2 trailers per hour and less than five (5) gallons of coatings per day.**

- (g) **One (1) Dutchmen Repair Services, approved for construction in 2008, consisting of:**
 - (1) **Coating operations, using two (2) high volume low pressure (HVL) spray guns, aerosol cans, and brushing to apply coatings, exhausting within the building, capacity: 0.10 trailers per hour and less than five (5) gallons of coatings per day.**

 - (2) **Woodworking operations, with a maximum wood capacity of 7.0 lbs/hr and a maximum trailer capacity of 0.10 trailers per hour, equipped with portable baghouse PB6 for particulate control, exhausting through stack PB6, and consisting of:**
 - (i) **One (1) table saw;**
 - (ii) **One (1) chop saw ;**
 - (iii) **One (1) band saw.**

...

A.4 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

- (a) The following welding and cutting operations:
 -
 - (6) **Two (2) metal inert gas welding stations, with a capacity of 0.14 pounds of weld wire per hour, each.**

- (b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, including:
 -
 - (6) **Six (6) natural gas-fired radiant heaters, identified as H1 through H6, capacity: 0.15 MMBtu/hr, each.**

 - (7) **Two (2) natural gas-fired space heaters, identified as H7 and H10, capacity: 0.20 MMBtu/hr, each.**

- (8) One (1) natural gas-fired space heater, identified as H8, capacity: 0.10 MMBtu/hr.**
- (9) One (1) natural gas-fired space heater, identified as H9, capacity: 0.32 MMBtu/hr.**
- (10) Two (2) natural gas-fired space heater, identified as H11 and H12, capacity 0.24 MMBtu/hr, each.**
- (c) One (1) hot-melt gluing operation, which includes a heating device, application device and an atmospheric humidifying system emitting only water vapor. Cleanup operation is accomplished by using absorbent and no solvents.
- (d) Diesel fuel above ground storage tank, with a capacity of 250 gallons and dispersing less than 1,000 gallons per month.
- (e) Hydraulic oil storage tank, with a capacity of 250 gallons located inside the building.
- (f) 55-gallon containers of roof glue.
- (g) Closed loop heating and cooling system.**
- (g)(h) Paved and unpaved roads used for storing chassis frame and units.

...

SECTION D.1

FACILITY OPERATION CONDITIONS

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

...

Dutchmen Manufacturing, Inc. - 2639 Lincolnway East, Goshen, Indiana

- (f) One (1) Aero travel trailer production line, approved for construction in 2008, consisting of the following:**
 - (1) One (1) woodworking area, equipped with cyclone P5 and portable baghouses PB3 through PB5 for particulate control, exhausting to stacks P5 and PB3 through PB5, capacity: 716 lb/hr, and consisting of the following:**
 - (i) Two (2) table saws;**
 - (ii) Eight (8) chop saws;**
 - (iii) One (1) radial arm saw;**
 - (iv) Two (2) vertical band saws;**
 - (v) One (1) horizontal band saw;**
 - (vi) Two (2) belt sanders;**
 - (vii) Three (3) drill presses;**

- (viii) One (1) pin router; and
 - (ix) Two (2) sanders.
 - (2) One (1) travel trailer assembly area, using spray cans, brushes, and wiping to apply materials, exhausting within the building, capacity: 1.0 trailers per hour and less than five (5) gallons of coatings per day.
 - (3) One (1) travel trailer final finishing line, using spray cans and wiping to apply materials, exhausting within the building, capacity: 1.0 trailers per hour and less than five (5) gallons of coatings per day.
 - (4) One (1) travel trailer touch-up and repair area, equipped with two (2) airless paint guns and also using wiping to apply materials, exhausting within the building, capacity: 0.2 trailers per hour and less than five (5) gallons of coatings per day.
 - (g) One (1) Dutchmen Repair Services, approved for construction in 2008, consisting of:
 - (1) Coating operations, using two (2) high volume low pressure (HVLP) spray guns, aerosol cans, and brushing to apply coatings, exhausting within the building, capacity: 0.10 trailers per hour and less than five (5) gallons of coatings per day.
 - (2) Woodworking operations, with a maximum wood capacity of 7.0 lbs/hr and a maximum trailer capacity of 0.10 trailers per hour, equipped with portable baghouse PB6 for particulate control, exhausting through stack PB6, and consisting of:
 - (i) One (1) table saw;
 - (ii) One (1) chop saw; and
 - (iii) One (1) band saw.
- ...

D.1.2 Volatile Organic Compounds [326 IAC 2-8] [326 IAC 8-1-6]

- (a) The use of VOC, including coatings, adhesives, sealants, dilution solvents, and cleaning solvents at the Classic travel trailer production line, Colorado travel trailer production line, wall lamination area, and T@B trailer line, **Aero travel trailer production line, and the Dutchmen Repair Services**, combined, shall be limited to 99.0 tons per twelve (12) consecutive month period with compliance determined at the end of each month. This usage limit is required to limit the potential to emit of VOC to less than 100 tons per year from the entire source. Compliance with this limit makes 326 IAC 2-7 (Part 70) not applicable.
- ...

D.1.3 Particulate [326 IAC 6-3-2] [326 IAC 2-2]

- (f) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the wood waste grinding operation, located at 2410 Dierdorff Road, shall not exceed 3.82 pounds per hour, when operating at a process weight rate of 1,800 pounds of wood per hour.

- (g) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the woodworking operations at the T@B trailer line, shall not exceed 0.551 pounds per hour, when operating at a process weight rate less than 100 pounds per hour.
- (h) **Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate matter (PM) from the Aero travel trailer production line woodworking operations shall not exceed 2.06 pounds per hour when operating at a process weight rate of 716 pounds per hour.**

These limitations are based upon the following:

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

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

These limitations shall also limit the potential to emit PM from the entire source to less than 250 tons per year. Therefore, the requirements of 326 IAC 2-2, PSD, are not applicable.

...

D.1.4 Particulate (PM₁₀) [326 IAC 2-2] [326 IAC 2-8]

Pursuant to 326 IAC 2-8, FESOP, the PM₁₀ emissions shall be limited as shown in the following table. As a result of these limitations, the potential to emit PM₁₀ is limited to less than 100 tons per year from the entire source. Therefore, compliance with these limits makes 326 IAC 2-7, Part 70, and 326 IAC 2-2, PSD, not applicable.

Process	Hourly PM ₁₀ Emission Limitation (lbs/hr)
Classic Travel Trailer Cabinet and milling area woodworking	2.89
Classic Travel Trailer Assembly and final finish area woodworking and metalworking (including PVC cutting)	0.551
Colorado Travel Trailer Cabinet and milling area woodworking	2.41
Colorado Travel Trailer Assembly and final finish area woodworking and metalworking (including PVC cutting)	0.551
Wall lamination area woodworking	0.584
Wood waste grinding	3.82
T@B trailer line woodworking	0.12

D.1.5 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for all of these facilities and the control devices identified as P1, P2, P3, P4, **P5**, B3, B4, B6, B7, B8, B9, B10, PB1, and PB2, **PB3, PB4, PB5 and PB6**.

...

D.1.7 Particulate Control

...

- (m) **In order to comply with Condition D.1.3, the cyclone P5 and baghouses identified as PB3 through PB5, for particulate control, shall be in operation and control emissions from the woodworking processes at Aero travel trailer production line at**

all times that the woodworking processes at Aero travel trailer production line are in operation.

...

D.1.8 Visible Emissions Notations

- (a) Daily visible emission notations of the Classic travel trailer production line cabinet and milling area and assembly and final finish area stack exhausts, the Colorado travel trailer production line cabinet and milling area and assembly and final finish area stack exhausts, ~~and~~ the wood waste grinding stack exhausts, **the Aero travel trailer production line's woodworking area stack exhausts, and the Dutchmen Repair Services woodworking area stack exhaust** shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

...

D.1.11 Cyclone Inspections

An inspection shall be performed each calendar quarter of all cyclones (P1 and P2) controlling the Classic travel trailer production line cabinet and milling area woodworking operations, **and the cyclone controlling the Aero travel trailer production line woodworking area (P5)**, when venting to the atmosphere. A cyclone inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors.

...

D.1.13 Record Keeping Requirements

...

- (b) To document compliance with Condition D.1.8, the Permittee shall maintain records of daily visible emission notations of the cyclone stack exhausts (P1 ~~and~~ P2, **and P5**) and baghouse stack exhausts (B3, B4, B6, B7, B8, B9, B10, P3, ~~and~~ P4, **PB3, PB4, PB5, and PB6**).

...

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Dutchmen Manufacturing, Inc.
Source Address: 2021 Kercher Road, 2142 Caragana Ct., 2410 Dierdorff Rd., ~~and~~ 2402 Dierdorff Rd.,
and 2639 Lincolnway East, Goshen, Indiana 46526
Mailing Address: 2164 Caragana Court, Goshen, Indiana 46526
FESOP No.: F 039-19844-00376

...

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT

Source Name: Dutchmen Manufacturing, Inc.
Source Address: 2021 Kercher Rd., 2142 Caragana Ct., 2410 Dierdorff Rd., and 2402 Dierdorff Rd.,
and 2639 Lincolnway East, Goshen, Indiana 46526
Mailing Address: 2164 Caragana Court, Goshen, Indiana 46526
FESOP No.: F 039-19844-00376

...

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

FESOP Quarterly Report

Source Name: Dutchmen Manufacturing, Inc.
Source Address: 2021 Kercher Rd., 2142 Caragana Ct., 2410 Dierdorff Rd., and 2402 Dierdorff Rd.,
and 2639 Lincolnway East, Goshen, Indiana 46526
Mailing Address: 2164 Caragana Court, Goshen, Indiana 46526
FESOP No.: F 039-19844-00376
Facilities: Classic travel trailer production line, Colorado travel trailer production line, wall
lamination, and-T@B trailer line, **Aero travel trailer production line, and Dutchmen
Repair Services.**
Parameter: VOC usage, including coatings, sealants, adhesives, dilution solvents, and cleaning
solvents
Limit: 99.0 tons per twelve (12) consecutive month period, with compliance determined at
the end of each month

...

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

FESOP Quarterly Report

Source Name: Dutchmen Manufacturing, Inc.
Source Address: 2021 Kercher Rd., 2142 Caragana Ct., 2410 Dierdorff Rd., and 2402 Dierdorff Rd.,
and 2639 Lincolnway East, Goshen, Indiana 46526
Mailing Address: 2164 Caragana Court, Goshen, Indiana 46526
FESOP No.: F 039-19844-00376
Facility: Classic travel trailer production line, including the cabinet and mill, slide-out assembly,
assembly and final finish, touchup and repair and wall lamination areas
Parameter: VOC usage when cleaning or applying coatings, sealants, solvents, or adhesives to
plastic, glass, rubber, and wood parts, other than wood furniture and cabinets
Limit: Less than 25.0 tons per twelve (12) consecutive month period, with compliance
determined at the end of each month

...

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

FESOP Quarterly Report

Source Name: Dutchmen Manufacturing, Inc.
Source Address: 2021 Kercher Rd., 2142 Caragana Ct., 2410 Dierdorff Rd., and 2402 Dierdorff Rd.,
and 2639 Lincolnway East, Goshen, Indiana 46526
Mailing Address: 2164 Caragana Court, Goshen, Indiana 46526
FESOP No.: F 039-19844-00376
Facility: Colorado travel trailer production line, including the cabinet and mill, slide-out assembly,
assembly and final finish, touchup and repair and wall lamination areas
Parameter: VOC usage when cleaning or applying coatings, sealants, solvents, or adhesives to
plastic, glass, rubber, and wood parts, other than wood furniture and cabinets
Limit: Less than 25.0 tons per twelve (12) consecutive month period, with compliance
determined at the end of each month

...

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

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

Source Name: Dutchmen Manufacturing, Inc.
Source Address: 2021 Kercher Rd., 2142 Caragana Ct., 2410 Dierdorff Rd., and 2402 Dierdorff Rd.,
and 2639 Lincolnway East, Goshen, Indiana 46526
Mailing Address: 2164 Caragana Court, Goshen, Indiana 46526
FESOP No.: F 039-19844-00376

...

(b) Upon further review, IDEM, OAQ has decided to make the following changes to the permit.
Deleted language appears as ~~strike through~~ text and new language appears as **bold** text:

(1) IDEM has updated the B and C Sections of its permits. In addition to other changes, the Prior
Permits Superseded Condition is now located within the B Section of the permit.

~~A.6 Prior Permits Superseded [326 IAC 2-1.1-9.5]~~

~~(a) All terms and conditions of previous permits issued pursuant to permitting programs approved
into the state implementation plan have been either~~

~~(1) incorporated as originally stated,~~

~~(2) revised, or~~

~~(3) deleted~~

~~by this permit.~~

~~(b) All previous registrations and permits are superseded by this permit.~~

~~B.1 Permit No Defense [IC 13]~~

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

~~B.2 — Definitions [326 IAC 2-8-4]~~

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

~~B.3 — Permit Term [326 IAC 2-8-4(2)] [326 IAC 2-1.1-9.5]~~

~~This permit is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.~~

~~B.4 — Enforceability [326 IAC 2-8-6]~~

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

~~B.5 — Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]~~

~~The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.~~

~~B.6 — Severability [326 IAC 2-8-4(4)]~~

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

~~B.7 — Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]~~

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

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

~~(a) — The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.~~

~~(b) — For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1 when furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.~~

~~B.9 — Compliance Order Issuance [326 IAC 2-8-5(b)]~~

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

~~B.10 — Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]~~

~~(a) — Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.~~

~~(b) — One (1) certification shall be included, using the attached Certification Form, with each~~

~~submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.~~

~~(c) An authorized individual is defined at 326 IAC 2-1.1-1(1).~~

~~B.11 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]~~

~~(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 of each year to:~~

~~Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2254~~

~~(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.~~

~~(c) The annual compliance certification report shall include the following:~~

~~(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;~~

~~(2) The compliance status;~~

~~(3) Whether compliance was continuous or intermittent;~~

~~(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and~~

~~(5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, may require to determine the compliance status of the source.~~

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

~~B.12 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]~~

~~(a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs), including the following information on each facility:~~

~~(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;~~

~~(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and~~

~~(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.~~

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

~~B.13 Emergency Provisions [326 IAC 2-8-12]~~

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

~~Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section)
or,
Telephone No.: 317-233-0178 (ask for Compliance Section)
Facsimile No.: 317-233-6865
Northern Regional Office: 574-245-4870, Facsimile Number: 574-245-4877~~

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

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

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

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

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

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

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

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

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

~~B.14 — Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]~~

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

~~Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251~~

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

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

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

~~B.15 — Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)]
[326 IAC 2-8-7(a)] [326 IAC 2-8-8]~~

- ~~(a) — This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).~~

- ~~(b) — This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:~~

~~(1) — That this permit contains a material mistake.~~

~~(2) — That inaccurate statements were made in establishing the emissions standards or other terms or conditions.~~

~~(3) — That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]~~

- ~~(c) — Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]~~

- ~~(d) — The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]~~

~~B.16 — Permit Renewal [326 IAC 2-8-3(h)]~~

- ~~(a) — The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information~~

~~shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

~~Request for renewal shall be submitted to:~~

~~Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 46204-2254~~

~~(b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]~~

~~(1) A timely renewal application is one that is:~~

~~(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and~~

~~(B) 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.~~

~~(2) If IDEM, OAQ, upon receiving a timely and complete 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.~~

~~(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]~~

~~If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as needed to process the application.~~

~~B.17 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]~~

~~(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.~~

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

~~Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2254~~

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

~~(c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC~~

~~2-8-10(b)(3)}~~

- ~~(d) — No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.~~

~~B.18 — Operational Flexibility [326 IAC 2-8-15] [326 IAC 2-8-11.1]~~

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

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

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

~~and~~

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

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

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

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

- ~~(b) — Emission Trades [326 IAC 2-8-15(c)]~~

~~The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).~~

- ~~(c) — Alternative Operating Scenarios [326 IAC 2-8-15(d)]~~

~~The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.~~

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

~~B.19 Permit Revision Requirement [326 IAC 2-8-11.1]~~

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

~~B.20 Inspection and Entry [326 IAC 2-8-5(a)(2)] [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 FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;~~
- ~~(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;~~
- ~~(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;~~
- ~~(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and~~
- ~~(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.~~

~~B.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10] [IC 13-17-3-2]~~

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

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

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

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

~~B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16] [326 IAC 2-1.1-7]~~

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

~~of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.~~

- ~~(b) Failure to pay may result in administrative enforcement action, or revocation of this permit.~~
- ~~(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.~~

~~B.23 Credible Evidence [326 IAC 2-8-4(3)] [326 IAC 2-8-5] [62 FR 8314] [326 IAC 1-1-6]~~

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

~~SECTION C SOURCE OPERATION CONDITIONS~~

Entire Source

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

~~C.1 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 one hundred (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 Overall Source Limit [326 IAC 2-8] [326 IAC 2-2]~~

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

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

~~(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.~~

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

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

~~(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.~~

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

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

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

~~C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]~~

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

~~C.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 Operation of Equipment [326 IAC 2-8-5(a)(4)]~~

~~Except as otherwise provided by statute, rule or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.~~

~~C.8 Stack Height [326 IAC 1-7]~~

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

~~C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]~~

~~(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos-containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.~~

~~(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:~~

~~(1) When the amount of affected asbestos-containing material increases or decreases by at least twenty percent (20%); or~~

~~(2) — If there is a change in the following:~~

~~(A) — Asbestos removal or demolition start date;~~

~~(B) — Removal or demolition contractor; or~~

~~(C) — Waste disposal site.~~

~~(c) — The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).~~

~~(d) — The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).~~

All required notifications shall be submitted to:
Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2254

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

~~(e) — Procedures for Asbestos Emission Control~~

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

~~(f) — Demolition and renovation~~

~~The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).~~

~~(g) — Indiana Accredited Asbestos Inspector~~

~~The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.~~

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

~~C.10 — Performance Testing [326 IAC 3-6]~~

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

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

~~Indiana Department of Environmental Management~~

~~Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2254~~

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

~~(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

~~(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.~~

~~Compliance Requirements [326 IAC 2-1.1-11]~~

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

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

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

~~C.12 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]~~

~~Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented upon issuance of this permit. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.~~

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

~~C.13 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]~~

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

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

~~C.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]~~

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

~~(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.~~

~~(b) These ERPs shall be submitted for approval to:~~

~~Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality~~

~~100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251~~

~~within ninety (90) days from the date of issuance of this permit.~~

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

- ~~(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.~~
- ~~(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.~~
- ~~(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.~~
- ~~(f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]~~

~~C.15 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]~~

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

~~C.16 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]~~

- ~~(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:
 - ~~(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.~~
 - ~~(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.~~~~
- ~~(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
 - ~~(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or~~
 - ~~(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.~~~~

- (3) ~~If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.~~
- (4) ~~Failure to take reasonable response steps shall be considered a deviation from the permit.~~
- (c) ~~The Permittee is not required to take any further response steps for any of the following reasons:~~
- (1) ~~A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.~~
- (2) ~~The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.~~
- (3) ~~An automatic measurement was taken when the process was not operating.~~
- (4) ~~The process has already returned or is returning to operating within "normal" parameters and no response steps are required.~~
- (d) ~~When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B Deviations from Permit Requirements and Conditions.~~
- (e) ~~The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.~~
- (f) ~~Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.~~

~~C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]~~

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

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

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

~~C.18 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]~~

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

~~C.19 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]~~

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

- ~~(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:~~

~~Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251~~

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

Stratospheric Ozone Protection

~~C.20 Compliance with 40 CFR 82 and 326 IAC 22-1~~

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

- ~~(a) Persons opening appliances for maintenance, service, repair or disposal must comply with~~

~~the required practices pursuant to 40 CFR 82.156~~

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

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

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

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

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

B.3 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

- (a) This permit, F039-19844-00376, 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.4 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.5 Enforceability [326 IAC 2-8-6] [IC 13-17-12]

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

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

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

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

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

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

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

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

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;

- (3) Whether compliance was continuous or intermittent;
- (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
- (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

B.11 Compliance Order Issuance [326 IAC 2-8-5(b)]

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

B.12 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within 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 Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

B.13 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

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

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

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

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

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.
- (h) Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.14 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to F039-19844-00376 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.15 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.16 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

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

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

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

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

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

B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

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

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

B.18 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by 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
Permits Branch, 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 nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.19 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.20 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
 - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
 - (4) The Permittee notifies the:

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

and

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

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

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

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

- (b) **Emission Trades [326 IAC 2-8-15(c)]**
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) **Alternative Operating Scenarios [326 IAC 2-8-15(d)]**
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-8-11.1]

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

B.22 Inspection and Entry [326 IAC 2-8-5(a)(2)][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 FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

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

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

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

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

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

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

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

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Advanced Source Modification Approval [326 IAC 2-8-4(11)] [326 IAC 2-1.1-9]

- (a) The requirements to obtain a permit modification under 326 IAC 2-8-11.1 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3.
- (b) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction, work is suspended for a continuous period of one (1) year or more.

B.26 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or

information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-8-4(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 Overall Source Limit [326 IAC 2-8]

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

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (PSD), potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

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

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

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

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

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

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 Stack Height [326 IAC 1-7]

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

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

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

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

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

C.9 Performance Testing [326 IAC 3-6]

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

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

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

C.11 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

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

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

C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.13 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

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

C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

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

C.15 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

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

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

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test
[326 IAC 2-8-4][326 IAC 2-8-5]

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

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

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

C.17 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

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

C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the

date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:**

**Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251**

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

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

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

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

...

Conclusion and Recommendation

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

information submitted by the applicant. An application for the purposes of this review was received on October 31, 2008.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed FESOP Significant Revision No. 039-27102-00376. The staff recommends to the Commissioner that this FESOP Significant Revision be approved.

IDEM Contact

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

SUMMARY OF EMISSIONS

Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2021 Kercher Road, Goshen, IN 46526
2412 Caragana Court, Goshen, Indiana 46526
2410 Dierdorff Road, Goshen, Indiana 46526
2402 Dierdorff Road, Goshen, Indiana 46526
2639 Linconway East, Goshen, Indiana 46526
FESOP No: 039-27102-00376
Plt ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 8, 2008

Uncontrolled Emissions (Tons/Yr)										
Pollutant	Combustion	2021 Kercher Coating	2412 Caragana Coating	2410 Dierdorff Coating	2402 Dierdorff Coating	2639 Linconway Coating	Dutchmen Repair Services	Woodworking ^α	Welding	Total PTE
PM	0.04	0.18	0.16	0.09	0.58	1.50	0.04	2.07	0.07	4.74
PM10	0.17	0.18	0.16	0.09	0.58	1.50	0.04	2.07	0.07	4.87
PM2.5	0.17	0.18	0.16	0.09	0.58	1.50	0.04	2.07	0.07	4.87
VOC	0.12	84.36	60.89	6.67	4.37	5.49	0.62	-	-	162.52
NOx	2.19	-	-	-	-	-	-	-	-	2.19
SO2	0.62	-	-	-	-	-	-	-	-	0.62
CO	1.84	-	-	-	-	-	-	-	-	1.84
Single HAP (Xylenes)	-	1.63	1.16	-	0.02	0.01	0.02	-	-	2.83
Combined HAPs	0.04	4.18	2.99	0.90	0.19	1.12	1.21	-	0.01	10.63

Controlled Emissions (Tons/Yr)										
Pollutant	Combustion	2021 Kercher Coating	2412 Caragana Coating	2410 Dierdorff Coating	2402 Dierdorff Coating	2639 Linconway Coating	Dutchmen Repair Services	Woodworking ^α	Welding	Total PTE
PM	0.04	0.18	0.16	0.09	0.58	1.50	0.04	2.07	0.07	4.74
PM10	0.17	0.18	0.16	0.09	0.58	1.50	0.04	2.07	0.07	4.87
PM2.5	0.17	0.18	0.16	0.09	0.58	1.50	0.04	2.07	0.07	4.87
VOC	0.12	84.36	60.89	6.67	4.37	5.49	0.62	-	-	162.52
NOx	2.19	-	-	-	-	-	-	-	-	2.19
SO2	0.62	-	-	-	-	-	-	-	-	0.62
CO	1.84	-	-	-	-	-	-	-	-	1.84
Single HAP (Xylenes)	-	1.63	1.16	-	0.02	0.01	0.02	-	-	2.83
Combined HAPs	0.04	4.18	2.99	0.90	0.19	1.12	1.21	-	0.01	10.63

Limited Emissions (Tons/Yr)										
Pollutant	Combustion	2021 Kercher Coating	2412 Caragana Coating	2410 Dierdorff Coating	2402 Dierdorff Coating	2639 Linconway Coating	Dutchmen Repair Services	Woodworking ^β	Welding	Total PTE
PM	0.04	0.18	0.16	0.09	0.58	1.50	0.04	59.93	0.07	62.61
PM10	0.17	0.18	0.16	0.09	0.58	1.50	0.04	59.93	0.07	62.73
PM2.5	0.17	0.18	0.16	0.09	0.58	1.50	0.04	59.93	0.07	62.73
VOC	0.12	<25.00	<25.00	6.67	4.37	5.49	0.62	-	-	<100
NOx	2.19	-	-	-	-	-	-	-	-	2.19
SO2	0.62	-	-	-	-	-	-	-	-	0.62
CO	1.84	-	-	-	-	-	-	-	-	1.84
Single HAP (Xylenes)	-	1.63	1.16	-	0.02	0.01	0.02	-	-	2.83
Combined HAPs	0.04	4.18	2.99	0.90	0.19	1.12	1.21	-	0.01	10.63

Note:

^α Please see Page 14 of TSD App A for explanation on woodworking operations potential to emit.

^β Limited woodworking emissions are equal to the sum of allowable 326 IAC 6-3-2 Emissions Limitations for emissions units with potential emissions greater than 0.551 pounds per hour, and the uncontrolled emissions for those woodworking emissions units with potential emissions less than 0.551 pounds per hour.

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

Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2021 Kercher Road, Goshen, IN 46526
 2412 Caragana Court, Goshen, Indiana 46526
 2410 Dierdorff Road, Goshen, Indiana 46526
 2402 Dierdorff Road, Goshen, Indiana 46526
 2639 Linconway East, Goshen, Indiana 46526
FESOP No: 039-27102-00376
Plt ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 8, 2008

<u>Heat Input Capacity</u> <u>MMBtu/hr</u>	<u>Potential Throughput</u> <u>MMCF/yr</u>	<u>Emission Unit</u>
0.15	1.31	HW1 0.150 MMBtu/hr
0.50	4.38	H6 and H7 0.25 MMBtu/hr each
0.40	3.50	L1 0.400 MMBtu/hr
1.16	10.16	L2 and L3 0.580 MMBtu/hr each
0.20	1.75	L4 and L5 0.100 MMBtu/hr each
0.39	3.42	T1 and T2 0.195 MMBtu/hr each
0.90	7.88	H1 through H6 0.150 MMBtu/hr each
0.40	3.50	H7 and H10 0.200 MMBtu/hr each
0.10	0.88	H8 0.100 MMBtu/hr
0.32	2.80	H9 0.320 MMBtu/hr
0.48	4.20	H11 and H12 0.240 MMBtu/hr each
5.00	43.80	

	<u>Pollutant</u>					
<u>Emission Factor in lb/MMCF</u>	<u>PM*</u> 1.9	<u>PM10*</u> 7.6	<u>SO2</u> 28.5	<u>NOx</u> 100 **see below	<u>VOC</u> 5.5	<u>CO</u> 84
<u>Potential Emission in tons/yr</u>	0.04	0.17	0.62	2.19	0.12	1.84

*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

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

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

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

See page 3 for HAPs emissions calculations.

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

Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2021 Kercher Road, Goshen, IN 46526
 2412 Caragana Court, Goshen, Indiana 46526
 2410 Dierdorff Road, Goshen, Indiana 46526
 2402 Dierdorff Road, Goshen, Indiana 46526
 2639 Linconway East, Goshen, Indiana 46526
FESOP No: 039-27102-00376
Plt ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 5, 2008

HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	4.599E-05	2.628E-05	1.643E-03	3.942E-02	7.446E-05

HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	1.095E-05	2.409E-05	3.066E-05	8.322E-06	4.599E-05

Methodology is the same as page 2.

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

**Emissions Calculations
VOC and Particulate
From Surface Coating Operations**

**Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2021 Kercher Road, Goshen, Indiana 46526
Permit No: 039-27102-00376
Plt ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 8, 2008**

2021 Kercher Road

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	Substrate Coated
Classic Cabinet & Mill																	
Mobilbond	9.49	60.000%	0.0%	60.0%	0.0%	40.00%	0.09000	1.750	5.69	5.69	0.90	21.52	3.93	0.00	14.24	100%	wood
Russel 676	5.70	82.800%	0.0%	82.8%	0.0%	12.00%	0.00590	1.750	4.72	4.72	0.05	1.17	0.21	0.00	39.33	75%	wood
IPS Weld-on	7.25	70.000%	0.0%	70.0%	0.0%	30.00%	0.04400	1.750	5.08	5.08	0.39	9.38	1.71	0.00	16.92	100%	plastic
Cyclo silicone	5.92	92.500%	7.5%	85.0%	5.3%	0.00%	0.00080	1.750	5.32	5.03	0.01	0.17	0.03	0.00	N/A	75%	metal, wood, plastic
Classic Slide-out Assembly																	
502 LSW lap sealant	9.92	30.600%	0.0%	30.6%	0.0%	69.40%	0.00350	1.750	3.04	3.04	0.02	0.45	0.08	0.00	4.37	100%	wood, plastic
Geocel 2300 sealant	7.92	35.000%	0.0%	35.0%	0.0%	61.00%	0.08380	1.750	2.77	2.77	0.41	9.76	1.78	0.00	4.54	100%	wood
Cyclo silicone	5.92	92.500%	7.5%	85.0%	5.3%	0.00%	0.00020	1.750	5.32	5.03	0.00	0.04	0.01	0.00	N/A	75%	metal
905 BA bonding cement	8.20	51.000%	50.5%	0.5%	50.5%	49.00%	0.14000	1.750	0.08	0.04	0.01	0.24	0.04	0.00	0.08	100%	wood
Quad advanced sealant	9.80	25.000%	0.0%	25.0%	0.0%	60.00%	0.13000	1.750	2.45	2.45	0.56	13.38	2.44	0.00	4.08	100%	wood
Classic Assembly & Final																	
Geocel 2300 sealant	7.92	35.000%	0.0%	35.0%	0.0%	61.00%	0.25040	1.750	2.77	2.77	1.21	29.15	5.32	0.00	4.54	100%	wood
Oatey PVC cement	7.50	88.000%	0.0%	88.0%	0.0%	12.00%	0.06000	1.750	6.60	6.60	0.69	16.63	3.04	0.00	55.00	100%	plastic
502 LSW lap sealant	9.92	30.600%	0.0%	30.6%	0.0%	69.40%	2.50000	1.750	3.04	3.04	13.28	318.73	58.17	0.00	4.37	100%	wood, plastic
IPS Weld-on	7.30	70.000%	0.0%	70.0%	0.0%	30.00%	0.00500	1.750	5.11	5.11	0.04	1.07	0.20	0.00	17.03	100%	plastic
Russel 676	5.70	82.800%	0.0%	82.8%	0.0%	12.00%	0.03680	0.750	4.72	4.72	0.13	3.13	0.57	0.03	39.33	75%	wood
Cyclo silicone	5.92	92.500%	7.5%	85.0%	5.3%	0.00%	0.00020	1.750	5.32	5.03	0.00	0.04	0.01	0.00	N/A	75%	metal, wood, plastic
Oatey Cleaner	6.58	100.000%	20.0%	80.0%	15.0%	0.00%	0.00200	1.750	6.19	5.26	0.02	0.44	0.08	0.00	N/A	100%	plastic
Geocel 2000 sealant	10.25	4.000%	0.0%	4.0%	0.0%	62.40%	0.00790	1.750	0.41	0.41	0.01	0.14	0.02	0.00	0.66	100%	wood
Sikaflex 252	9.70	67.000%	0.0%	67.0%	0.0%	33.00%	0.03000	1.750	6.50	6.50	0.34	8.19	1.49	0.00	19.69	100%	wood
Sikaflex 260	7.60	99.000%	0.0%	99.0%	0.0%	1.00%	0.00400	1.750	7.52	7.52	0.05	1.26	0.23	0.00	752.40	100%	wood
Touch N Tone enamel	5.56	99.000%	20.0%	79.0%	15.0%	1.00%	0.08050	1.750	5.17	4.39	0.62	14.85	2.71	0.01	439.24	75%	wood
Brake Cleaner (C-111)	6.34	100.000%	26.0%	74.0%	34.3%	0.00%	0.00850	1.750	7.14	4.69	0.07	1.67	0.31	0.00	N/A	100%	equipment
Glass Cleaner C-31	8.26	99.860%	87.0%	12.9%	83.7%	0.20%	0.00240	1.750	6.53	1.06	0.00	0.11	0.02	0.00	531.12	75%	glass
Crazy Clean 030	8.16	93.100%	85.2%	7.9%	82.5%	0.80%	0.05420	1.750	3.68	0.64	0.06	1.47	0.27	0.06	80.58	75%	wood, plastic
Dupont lacquer thinner	6.32	100.000%	0.0%	100.0%	0.0%	0.00%	0.00500	1.750	6.32	6.32	0.06	1.33	0.24	0.00	N/A	100%	wood, plastic
mineral spirits	6.59	100.000%	0.0%	100.0%	0.0%	0.00%	0.00500	1.750	6.59	6.59	0.06	1.38	0.25	0.00	N/A	100%	wood, plastic
WD 40	6.67	78.000%	0.0%	78.0%	0.0%	30.00%	0.00100	1.750	5.20	5.20	0.01	0.22	0.04	0.00	17.34	75%	wood
Touch-up/Repair																	
Spray N Go	6.67	78.000%	2.0%	76.0%	2.0%	22.00%	0.02000	0.520	5.17	5.07	0.05	1.27	0.23	0.02	23.04	75%	metal
Centari acrylic enamel	7.74	64.600%	0.0%	64.6%	0.0%	30.34%	0.02000	0.520	5.00	5.00	0.05	1.25	0.23	0.03	16.48	75%	wood, plastic
Enamel reducers	6.44	100.000%	0.0%	100.0%	0.0%	0.00%	0.02000	0.520	6.44	6.44	0.07	1.61	0.29	0.00	N/A	75%	wood, plastic
Isocyanate activator	8.07	74.000%	9.0%	65.0%	8.7%	28.40%	0.02000	0.520	5.75	5.25	0.05	1.31	0.24	0.02	18.47	75%	wood, plastic
Chroma base clear	7.17	96.370%	0.0%	96.4%	0.0%	2.74%	0.00500	0.520	6.91	6.91	0.02	0.43	0.08	0.00	252.18	75%	wood, plastic
Chroma one binder	7.10	99.980%	0.0%	99.98%	0.0%	0.02%	0.00500	0.520	7.10	7.10	0.02	0.44	0.08	0.00	N/A	75%	wood, plastic

PM Control Efficiency: 0.00%
Uncontrolled 19.26 462 84.4 0.184
Controlled 19.26 462 84.4 0.184

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 hr/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

**Emission Calculations
HAP Emission Calculations
From Surface Coating Operations**

Company Name: **Dutchmen Manufacturing, Inc**
 Address City IN Zip: **2021 Kercher Road, Goshen, Indiana 4652**
 Permit No: **039-27102-00376**
 P# ID: **039-00376**
 Permit Reviewer: **Jason R. Krawczyk**
 Date: **December 8, 2008**

2021 Kercher Road

Material	Density (Lb/Gal)	Gallons of (gal/unit)	Maximum (unit/hour)	Weight % Toluene	Weight % Hexane	Weight % Vinyl acetate	Weight % Xylene	Weight % Ethyl benzen	Weight % Cumene	Weight % Methano	Weight % Tetrachloroethan	Weight % Glycol Ether	Weight % Naphthalene	Toluene Emissions (ton/yr)	Hexane Emissions (ton/yr)	Vinyl acetate Emissions (ton/yr)	Xylene Emissions (ton/yr)	Ethyl benzend Emissions (ton/yr)	Cumene Emissions (ton/yr)	Methano Emissions (ton/yr)	Tetrachloroethan Emissions (ton/yr)	Glycol Ethers Emissions (ton/yr)	Naphthalene Emissions (ton/yr)	Total Emissions (ton/yr)	
Classic Cabinet & Mill																									
Mobilbond	9.49	0.09000	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Russel 676	5.70	0.00590	1.750	0.00%	35.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
IPS Weld-on	7.25	0.04400	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cyclo silicone	5.92	0.00080	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Classic Slide-out Assemblh																									
502 LSW lap sealant	9.92	0.00350	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Geocel 2300 sealant	7.92	0.08380	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cyclo silicone	5.92	0.00020	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
905 BA bonding cement	8.20	0.14000	1.750	0.00%	0.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
Quad advanced sealant	9.80	0.13000	1.750	0.00%	0.00%	0.00%	15.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	1.46	0.49	0.00	0.00	0.00	0.00	0.00	1.95	
Classic Assembly & Final																									
Geocel 2300 sealant	7.92	0.25040	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oatey PVC cement	7.50	0.06000	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
502 LSW lap sealant	9.92	2.50000	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IPS Weld-on	7.30	0.00500	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Russel 676	5.70	0.03680	1.750	0.00%	35.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56
Cyclo silicone	5.92	0.00020	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oatey Cleaner	6.58	0.00200	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Geocel 2000 sealant	10.25	0.00790	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	42.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.26
Sikaflex 252	9.70	0.03000	1.750	0.00%	0.00%	0.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
Sikaflex 260	7.60	0.00400	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	99.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.23
Touch N Tone enamel	5.56	0.08050	1.750	15.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51
Brake Cleaner (C-111)	6.34	0.00850	1.750	30.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
Glass Cleaner C-31	8.26	0.00240	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
Crazy Clean 030	8.16	0.05420	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dupont lacquer thinner	6.32	0.00500	1.750	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
mineral spirits	6.59	0.00500	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WD 40	6.67	0.00100	1.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Touch-up/Repair																									
Spray N Go	6.67	0.02000	0.520	20.00%	0.00%	0.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.06	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
Ceriani acrylic enamel	7.74	0.02000	0.520	17.00%	0.00%	0.00%	6.00%	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.06	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.09
Enamel reducers	6.44	0.02000	0.520	6.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.00%	2.00%	1.00%	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.03
Isocyanate activator	8.07	0.02000	0.520	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chroma base clear	7.17	0.00500	0.520	28.00%	0.00%	0.00%	16.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
Chroma one binder	7.10	0.00500	0.520	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total State Potential Emissions														0.805	0.653	0.088	1.63	0.495	0.000	0.231	0.267	0.013	0.003	4.18	

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

**Emissions Calculations
VOC and Particulate
From Surface Coating Operations**

**Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2412 Caragana Court, Goshen, Indiana 46526
Permit No: 039-27102-00376
Pit ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 8, 2008**

2412 Caragana Court

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	Substrate Coated
Colorado Cabinet & Mill																	
Mobilbond	9.49	60.00%	0.0%	60.0%	0.0%	40.00%	0.09000	1.250	5.69	5.69	0.64	15.37	2.81	0.00	14.24	100%	wood
Russel 676	5.70	82.800%	0.0%	82.8%	0.0%	12.00%	0.00590	1.250	4.72	4.72	0.03	0.84	0.15	0.01	39.33	75%	wood
IPS Weld-on	7.25	70.000%	0.0%	70.0%	0.0%	30.00%	0.04400	1.250	5.08	5.08	0.28	6.70	1.22	0.00	16.92	100%	plastic
Cyclo silicone	5.92	92.500%	7.5%	85.0%	5.3%	0.00%	0.00030	1.250	5.32	5.03	0.00	0.05	0.01	0.00	N/A	75%	metal, wood, plastic
													4.19	0.008			
Colorado Slide-out Assembly																	
502 LSW lap sealant	9.92	30.600%	0.0%	30.6%	0.0%	69.40%	0.00350	1.250	3.04	3.04	0.01	0.32	0.06	0.00	4.37	100%	wood, plastic
Geocel 2300 sealant	7.92	35.000%	0.0%	35.0%	0.0%	61.00%	0.08380	1.250	2.77	2.77	0.29	6.97	1.27	0.00	4.54	100%	wood
Cyclo silicone	5.92	92.500%	7.5%	85.0%	5.3%	0.00%	0.00020	1.250	5.32	5.03	0.00	0.03	0.01	0.00	N/A	75%	metal
905 BA bonding cement	8.20	51.000%	50.5%	0.5%	50.5%	49.00%	0.14000	1.250	0.08	0.04	0.01	0.17	0.03	0.00	0.08	100%	wood
Quad advanced sealant	9.80	25.000%	0.0%	25.0%	0.0%	60.00%	0.13000	1.250	2.45	2.45	0.40	9.56	1.74	0.00	4.08	100%	wood
													3.11	0.000			
Colorado Assembly & Final Finish																	
Geocel 2300 sealant	7.92	35.000%	0.0%	35.0%	0.0%	61.00%	0.25040	1.250	2.77	2.77	0.87	20.82	3.80	0.00	4.54	100%	wood
Oatey PVC cement	7.50	88.000%	0.0%	88.0%	0.0%	12.00%	0.06000	1.250	6.60	6.60	0.50	11.88	2.17	0.00	55.00	100%	plastic
502 LSW lap sealant	9.92	30.600%	0.0%	30.6%	0.0%	69.40%	2.50000	1.250	3.04	3.04	9.49	227.66	41.55	0.00	4.37	100%	wood, plastic
IPS Weld-on	7.30	70.000%	0.0%	70.0%	0.0%	30.00%	0.00500	1.250	5.11	5.11	0.03	0.77	0.14	0.00	17.03	100%	plastic
Russel 676	5.70	82.800%	0.0%	82.8%	0.0%	12.00%	0.03680	1.250	4.72	4.72	0.22	5.21	0.95	0.05	39.33	75%	wood
Cyclo silicone	5.92	92.500%	7.5%	85.0%	5.3%	0.00%	0.00020	1.250	5.32	5.03	0.00	0.03	0.01	0.00	N/A	75%	metal, wood, plastic
Oatey Cleaner	6.58	100.000%	20.0%	80.0%	15.0%	0.00%	0.00200	1.250	6.19	5.26	0.01	0.32	0.06	0.00	N/A	100%	plastic
Geocel 2000 sealant	10.25	4.000%	0.0%	4.0%	0.0%	62.40%	0.00790	1.250	0.41	0.41	0.00	0.10	0.02	0.00	0.66	100%	wood
Sikaflex 252	9.70	67.000%	0.0%	67.0%	0.0%	33.00%	0.03000	1.250	6.50	6.50	0.24	5.85	1.07	0.00	19.69	100%	wood
Sikaflex 260	7.60	99.000%	0.0%	99.0%	0.0%	1.00%	0.00400	1.250	7.52	7.52	0.04	0.90	0.16	0.00	752.40	100%	wood
Touch N Tone enamel	5.56	99.000%	20.0%	79.0%	15.0%	1.00%	0.08050	1.250	5.17	4.39	0.44	10.61	1.94	0.01	439.24	75%	wood
Brake Cleaner (C-111)	6.34	100.000%	26.0%	74.0%	34.3%	0.00%	0.00850	1.750	7.14	4.69	0.07	1.67	0.31	0.00	N/A	100%	equipment
Glass Cleaner C-31	8.26	99.860%	87.0%	12.9%	83.7%	0.20%	0.00240	1.250	6.53	1.06	0.00	0.08	0.01	0.00	531.12	75%	glass
Crazy Clean 030	8.16	93.100%	85.2%	7.9%	82.5%	0.80%	0.05420	1.250	3.68	0.64	0.04	1.05	0.19	0.04	80.58	75%	wood, plastic
Dupont lacquer thinner	6.32	100.000%	0.0%	100.0%	0.0%	0.00%	0.00500	1.250	6.32	6.32	0.04	0.95	0.17	0.00	N/A	100%	wood, plastic
mineral spirits	6.59	100.000%	0.0%	100.0%	0.0%	0.00%	0.00500	1.250	6.59	6.59	0.04	0.99	0.18	0.00	N/A	100%	wood, plastic
VD 40	6.67	78.000%	0.0%	78.0%	0.0%	30.00%	0.00100	1.250	5.20	5.20	0.01	0.16	0.03	0.00	17.34	75%	wood
													52.75	0.099			
Touch-up/Repair																	
Spray N Go	6.67	78.000%	2.0%	76.0%	2.0%	22.00%	0.02000	0.380	5.17	5.07	0.04	0.92	0.17	0.01	23.04	75%	metal
Centari acrylic enamel	7.74	64.600%	0.0%	64.6%	0.0%	30.34%	0.02000	0.380	5.00	5.00	0.04	0.91	0.17	0.02	16.48	75%	wood, plastic
Enamel reducers	6.44	100.000%	0.0%	100.0%	0.0%	0.00%	0.02000	0.380	6.44	6.44	0.05	1.17	0.21	0.00	N/A	75%	wood, plastic
Isocyanate activator	8.07	74.000%	9.0%	65.0%	8.7%	28.40%	0.02000	0.380	5.75	5.25	0.04	0.96	0.17	0.02	18.47	75%	wood, plastic
Chroma base clear	7.17	96.370%	0.0%	96.4%	0.0%	2.74%	0.00500	0.380	6.91	6.91	0.01	0.32	0.06	0.00	252.18	75%	wood, plastic
Chroma one binder	7.10	99.980%	0.0%	99.98%	0.0%	0.02%	0.00500	0.380	7.10	7.10	0.01	0.32	0.06	0.00	N/A	75%	wood, plastic
													0.841	0.053			

PM Control Efficiency: 0.00%

State Potential Emissions

Add worst case coating to all solvents

Uncontrolled	13.9	334	60.9	0.161
Controlled	13.9	334	60.9	0.161

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 hr/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

Emission Calculations
HAP Emission Calculations

Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2412 Caragana Court, Goshen, Indiana 46526
Permit No: 039-27102-00376
Plt ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 8, 2008

2412 Caragana Court

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Toluene	Weight % Hexane	Weight % Vinyl acetate	Weight % Xylene	Weight % Ethyl benzen	Weight % Cumene	Weight % Methanol	Weight % Tetrachloroethane	Weight % Glycol Ethers	Weight % Napthalene	Toluene Emissions (ton/yr)	Hexane Emissions (ton/yr)	Vinyl acetate Emissions (ton/yr)	Xylene Emissions (ton/yr)	Ethyl benzene Emissions (ton/yr)	Cumene Emissions (ton/yr)	Methanol Emissions (ton/yr)	Tetrachloroethane Emissions (ton/yr)	Glycol Ethers Emissions (ton/yr)	Napthalene Emissions (ton/yr)	Total Emissions (ton/yr)	
Colorado Cabinet & Mill																									
Mobilbond	9.49	0.09000	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Russel 676	5.70	0.00590	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
IPS Weld-on	7.25	0.04400	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Cyclo silicone	5.92	0.00030	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Colorado Slide-out Assembly																									
502 LSW lap sealant	9.92	0.00350	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Geocel 2300 sealant	7.92	0.08380	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Cyclo silicone	5.92	0.00020	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
905 BA bonding cement	8.20	0.14000	1.250	0.00%	0.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Quad advanced sealant	9.80	0.13000	1.250	0.00%	0.00%	0.00%	15.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	1.05	0.35	0.00	0.00	0.00	0.00	0.00	1.40	
Colorado Assembly & Final Finish																									
Geocel 2300 sealant	7.92	0.25040	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Oatey PVC cement	7.50	0.06000	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
502 LSW lap sealant	9.92	2.50000	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
IPS Weld-on	7.30	0.00500	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Russel 676	5.70	0.03680	1.250	0.00%	35.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Cyclo silicone	5.92	0.00020	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Oatey Cleaner	6.58	0.00200	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Geocel 2000 sealant	10.25	0.00790	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	42.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19
Sikallex 252	9.70	0.03000	1.250	0.00%	0.00%	0.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sikallex 260	7.60	0.00400	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	99.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Touch N Tone enamel	5.56	0.08050	1.250	15.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Brake Cleaner (C-111)	6.34	0.00850	1.250	30.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Glass Cleaner C-31	8.26	0.00240	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Crazy Clean 030	8.16	0.05420	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Dupont lacquer thinner	6.32	0.00500	1.250	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
mineral spirits	6.59	0.00500	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
WD 40	6.67	0.00100	1.250	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Touch-up/Repair																									
Spray N Go	6.67	0.02000	0.380	20.00%	0.00%	0.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Centari acrylic enamel	7.74	0.02000	0.380	17.00%	0.00%	0.00%	6.00%	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	
Enamel reducers	6.44	0.02000	0.380	6.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.00%	1.00%	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Isocyanate activator	8.07	0.02000	0.380	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Chroma base clear	7.17	0.00500	0.380	28.00%	0.00%	0.00%	16.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	
Chroma one binder	7.10	0.00500	0.380	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total State Potential Emissions														0.577	0.466	0.063	1.16	0.354	0.000	0.165	0.186	0.010	0.002	2.99	

Methodology:

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

**Emissions Calculations
VOC and Particulate
From Surface Coating Operations**

**Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2410 Dierdorff Road, Goshen, Indiana 46526
Permit No: 039-27102-00376
Pit ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 8, 2008**

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	Substrate Coated
Wall Lamination																	
Purfect Lok 798A	8.90	0.000%	0.0%	0.0%	0.0%	100.00%	5.71350	2.500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%	wood
Dynasolve Cleaner	8.84	97.060%	0.0%	97.1%	0.0%	2.94%	0.02700	2.500	8.58	8.58	0.58	13.90	2.54	0.00	291.84	100%	not a coating
Uniflex 34-6538 hot melt	8.10	0.000%	0.0%	0.0%	0.0%	100.00%	0.20580	2.500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%	styrofoam
Performance 446R	9.40	0.900%	0.0%	0.9%	0.0%	99.40%	3.29530	1.670	0.08	0.08	0.47	11.17	2.04	0.00	0.09	100%	wood
Russel 676 (repair)	5.70	82.800%	0.0%	82.8%	0.0%	12.00%	0.08770	1.000	4.72	4.72	0.41	9.93	1.81	0.09	39.33	75%	wood
Parts & Brakes Clean (maintenance)	6.34	100.000%	26.0%	74.0%	34.3%	0.00%	0.00540	2.500	7.14	4.69	0.06	1.52	0.28	0.00	N/A	100%	not a coating

State Potential Emissions

Add worst case coating to all solvents

PM Control Efficiency: 0.00%

Uncontrolled	1.52	36.53	6.67	0.09
Controlled	1.52	36.53	6.67	0.09

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 hr/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

**Emission Calculations
HAP Emission Calculations**

Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2410 Dierdorff Road, Goshen, Indiana 46526
Permit No: 039-27102-00376
Plt ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 8, 2008

2410 Dierdorff Rd.

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % hexane	Weight % Toluene	Hexane Emissions (ton/yr)	Toluene Emissions (ton/yr)	Total Emissions (ton/yr)
Wall Lamination								
Purfect Lok 798A	8.90	5.71350	2.500	0.00%	0.00%	0.000	0.000	0.00
Dynasolve Cleaner	8.84	0.02700	2.500	0.00%	0.00%	0.000	0.000	0.00
Uniflex 34-6538 hot melt	8.10	0.20580	2.500	0.00%	0.00%	0.000	0.000	0.00
Purformance 446R	9.40	3.29530	1.670	0.00%	0.00%	0.000	0.000	0.00
Russel 676 (repair)	5.70	0.08770	1.000	35.00%	0.00%	0.766	0.000	0.77
Parts & Brakes Clean	6.34	0.00540	2.500	0.00%	30.00%	0.000	0.112	0.11
Total State Potential Emissions						0.766	0.112	0.879

Methodology:

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

Material	Density (lbs/gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % MDI	MDI Emissions (tons/yr)
Aero Lamination					
Dynasolve CU-5	8.84	0.006	1.50	0.00%	0.00
Hot melt adhesive 5621	8.17	0.005	1.50	0.00%	0.00
Purfect Lok adhesive (9014)	8.80	5.05	1.50	see below	see below
Uniflex 260 Cleaner	10.5	0.159	1.50	0.00%	0.00

MDI Emission Calculations

Material	Weight % MDI	Process Temperature (Tproc) (K)	Vapor Pressure MDI @ Process Temperature (VPmdi) (atm)	Molecular Weight MDI (Mw)	Roller Surface Area (sq ft)	Air Velocity (Vair) (cfm)	Ventilation Rate (u) (m/s)	Exposed Surface Area (SA) (sq. m)/day	Tack Free time (tTF) (s)	Evaporation Loss (W) (grams/day)	Potential to Emit (tons/yr)
Wall Lamination											
Purfect Lok 798A	15.00%	408	5.99E-06	254.38	5	401	4.411	10046.90203	5	15.16437152	0.006
Purformance 446R	50.00%	408	5.99E-06	254.38	5	401	4.411	10046.90203	5	15.16437152	0.006
Aero Lamination											
Purfect Lok adhesive (9014)	2.00%	394	0.000002	250	7.78	550	0.359	25686	60.0	27.7	0.011
											0.023

Methodology:

Temperature in Kelvin (K) = (Temperature in Fahrenheit - 32)/1.8 + 273.15

Emission calculation methodology developed by the Alliance for the Polyurethane Industry (API)

For adhesives or coatings (closed process):

$$W=25.4 \times VPmdi \times (Mw/Tproc) \times u^{0.78} \times SA \times tTF$$

This method was approved for the Dutchmen Manufacturing, Inc. plant

**Emissions Calculations
VOC and Particulate**

From T@B Travel Trailer Line Surface Coating Operations

Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2402 Dierdorff Road, Goshen, Indiana 46526
Permit No: 039-27102-00376
Plt ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 8, 2008

2402 Dierdorff Rd. (T@B Travel Trailer Line)

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 Substrate	
Roof Lamination																		
SIA Adhesive 332 G	7.60	0.000%	0.00%	0.00%	0.00%	100%	0.82240	0.750	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%	wood	
Isopropyl alcohol	6.55	100%	0.00%	100.00%	0.00%	0.00%	0.05000	0.750	6.55	6.55	0.246	5.90	1.08	0.00	NA	100%	wood	
Chassis Preparation																		
Brake and Parts Cleaner	6.34	100%	26.0%	74.00%	19.8%	0.00%	0.01970	0.750	5.85	4.69	0.069	1.66	0.304	0.00	NA	50%	metal	
Westech adhesive	6.67	11.2%	0.00%	11.20%	0.00%	89.0%	0.02440	0.750	0.75	0.75	0.014	0.328	0.060	0.24	0.839	50%	metal	
Westech adhesive remove	5.84	35.0%	0.00%	35.00%	0.00%	100%	0.00600	0.750	2.04	2.04	0.009	0.221	0.040	0.037	2.04	50%	metal	
Mill and Cabinet Shop																		
Oatey PVC cement	7.50	88.0%	0.00%	88.00%	0.00%	12.0%	0.00330	0.750	6.60	6.60	0.016	0.392	0.072	0.00	55.0	100%	wood	
Oatey Cleaner	6.58	100%	20.0%	80.00%	15.8%	0.00%	0.00030	0.750	6.25	5.26	0.001	0.028	0.005	0.00	NA	100%	wood	
Assembly																		
Geocel 2300 sealant	7.92	35.0%	0.00%	35.00%	0.00%	61.0%	0.09470	0.750	2.77	2.77	0.197	4.73	0.862	0.00	4.54	100%	wood	
Sikaflex 252 sealant	9.70	83.0%	11.0%	72.00%	7.39%	17.7%	0.03340	0.750	7.54	6.98	0.175	4.20	0.766	0.09	39.5	50%	wood/fiberglass	
Cyclo spray adhesive	5.60	4.60%	0.00%	4.60%	0.00%	94.9%	0.00810	0.750	0.26	0.258	0.002	0.038	0.007	0.07	0.271	50%	wood fiberglass	
WD 40	6.67	70.0%	0.00%	70.00%	0.00%	30.0%	0.00020	0.750	4.67	4.67	0.001	0.017	0.003	0.001	15.6	50%	wood/fiberglass	
Final Finish																		
Geocel stainmatch sealant	13.35	3.70%	2.00%	1.70%	3.20%	94.1%	0.00130	0.750	0.23	0.227	0.0002	0.005	0.001	0.03	0.241	50%	wood /fiberglass	
Spray N Go paint	6.67	90.0%	20.0%	70.00%	14.6%	10.0%	0.00280	0.750	5.47	4.67	0.010	0.235	0.043	0.00	46.7	50%	wood /fiberglass	
Glass Cleaner	7.99	15.0%	5.00%	10.00%	4.79%	0.00%	0.00220	0.750	0.84	0.799	0.001	0.032	0.006	0.025	NA	50%	wood /fiberglass	
Crazy clean 030	8.16	93.1%	85.3%	7.80%	83.5%	8.90%	0.02870	0.750	3.85	0.636	0.014	0.329	0.060	0.027	7.15	50%	wood /fiberglass	
Isopropyl alcohol	6.55	100%	0.00%	100.00%	0.00%	0.00%	0.03820	0.750	6.55	6.55	0.188	4.50	0.822	0.00	NA	100%	wood /fiberglass	
Stainless steel polish	8.21	100%	0.00%	100.00%	0.00%	100%	0.00240	0.750	8.21	8.21	0.015	0.355	0.065	0.00	8.21	50%	wood /fiberglass	
Scotch grip adhesive	6.83	65.0%	0.00%	65.00%	0.00%	35.0%	0.00590	0.750	4.44	4.44	0.020	0.471	0.086	0.02	12.7	50%	wood /fiberglass	
-1 glaze cleaner and polis	8.34	25.0%	0.00%	25.00%	0.00%	0.00%	0.00390	0.750	2.09	2.09	0.006	0.146	0.027	0.040	NA	50%	wood /fiberglass	
Brake Cleaner	5.84	96.0%	6.00%	90.00%	4.20%	0.00%	0.00390	0.750	5.49	5.26	0.015	0.369	0.067	0.001	NA	50%	wood /fiberglass	
State Potential Emissions											Add worst case coating to all solvents							
											Uncontrolled		1.00	23.95	4.37	0.58		
											Controlled		1.00	23.95	4.37	0.58		

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 hr/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

**Appendix A: Emissions Calculations
HAP Emission Calculations
From T@B Travel Trailer Line Surface Coating Operations**

**Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2402 Dierdorff Road, Goshen, Indiana 46526
Permit No: 039-27102-00376
Pit ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 8, 2008**

2402 Dierdorff Rd. (T@B Travel Trailer Line)

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Toluene	Weight % Hexane	Weight % Xylene	Weight % Ethyl benzene	Weight % Cumene	Weight % MDI	Toluene Emissions (ton/yr)	Hexane Emissions (ton/yr)	Xylene Emissions (ton/yr)	Ethyl benzene Emissions (ton/yr)	Cumene Emissions (ton/yr)	MDI Emissions (ton/yr)	Total Emissions (ton/yr)
Roof Lamination																
SIA Adhesive 332 G	7.60	0.82240	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Isopropyl alcohol	6.55	0.06000	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chassis Preparation																
Brake and Parts Cleaner	6.34	0.01970	0.750	30.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.123	0.000	0.000	0.000	0.000	0.000	0.123
Westech adhesive	6.67	0.02440	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Westech adhesive remover	5.84	0.00600	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mill & Cabinet Shop																
Oatey PVC cement	7.50	0.00330	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oatey Cleaner	6.58	0.00030	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Assembly																
Geocel 2300 sealant	7.92	0.08400	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sikaflex 252 sealant	9.70	0.00810	0.750	0.00%	0.00%	5.00%	0.00%	0.00%	0.70%	0.000	0.000	0.013	0.000	0.000	0.002	0.015
Cyclo spray adhesive	5.60	0.00050	0.750	0.00%	35.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.003	0.000	0.000	0.000	0.000	0.003
WD 40	6.67	0.00020	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Final Finish																
Geocel stainmatch sealant	13.35	0.00130	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Spray N Go paint	6.67	0.00280	0.750	20.00%	0.00%	5.00%	3.00%	0.00%	0.00%	0.012	0.000	0.003	0.002	0.000	0.000	0.017
Glass Cleaner	7.99	0.00220	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Crazy clean 030	8.16	0.02870	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Isopropyl alcohol	6.55	0.03820	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Stainless steel polish	8.21	0.00240	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Scotch grip adhesive	6.83	0.00590	0.750	7.00%	20.00%	0.00%	0.00%	0.00%	0.00%	0.009	0.026	0.000	0.000	0.000	0.000	0.036
A-1 glaze cleaner and polish	8.34	0.00390	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Brake Cleaner	5.84	0.00390	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total for Line										0.14	0.030	0.016	0.002	0.000	0.002	0.194
State Potential Emissions Add worst case coating to all solvents										0.14	0.03	0.02	0.00	0.00	0.00	0.19

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

**Emissions Calculations
VOC and Particulate**

From Aero Trailer Line Surface Coating Operations

Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2639 Lincolnway East, Goshen, Indiana 46526
Permit No: 039-27102-00376
Plt ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 8, 2008

2639 Lincolnway East (Aero Line)

Material	Density (lbs/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (units/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 (tons/yr)	lbs VOC/gal solids	Transfer Efficiency	Substrate
Aero Travel Trailer Production Line																	
Aero Woodworking																	
Mobilbond glue	9.50	65.00%	0.0%	65.0%	0.0%	35.00%	0.1000	1.00	6.18	6.18	0.62	14.82	2.705	0.000	17.64	100%	Wood
Aero Assembly																	
502 LSW lap sealant	9.92	30.60%	0.0%	30.6%	0.0%	69.40%	0.0630	1.00	3.04	3.04	0.19	4.59	0.838	0.475	4.37	75%	Glass
905 BA adhesive	8.20	51.00%	50.5%	0.5%	50.5%	49.00%	0.1400	1.00	0.08	0.04	0.01	0.14	0.025	0.616	0.08	75%	Wood panels, Fiberglass
IPS Weld-on #771	7.30	70.00%	0.0%	70.0%	0.0%	30.00%	0.0249	1.00	5.11	5.11	0.13	3.05	0.557	0.060	17.03	75%	Wood, Fiberglass Reinforced Plastics
Parasil 1029 adhesive	8.76	5.00%	0.0%	5.0%	0.0%	95.00%	0.0009	1.00	0.44	0.44	0.00	0.01	0.002	0.008	0.46	75%	Wood, Fiberglass Reinforced Plastics
Russell 676 adhesive	5.70	82.80%	0.0%	82.8%	0.0%	12.00%	0.0156	1.00	4.72	4.72	0.07	1.77	0.322	0.000	39.33	100%	Wood, Fiberglass Reinforced Plastics
Tite R Bond GL2287A	7.42	98.31%	0.0%	98.3%	0.0%	1.50%	0.0113	1.00	7.29	7.29	0.08	1.98	0.361	0.000	486.31	100%	Wood, Fiberglass Reinforced Plastics, Vinyl
Enerfoam RV Ener 43	10.0	0.00%	0.0%	0.00%	0.00%	100.00%	0.0259	1.00	0.00	0.00	0.00	0.00	0.000	0.284	0.00	75%	Wood, Fiberglass, Metal
Ener 10 cleaner	7.99	95.80%	95.8%	0.0%	96.0%	4.60%	0.0010	1.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	100%	Wood, Metal
Crazy Clean 030	8.16	93.10%	85.2%	7.9%	82.5%	0.80%	0.0015	1.00	3.68	0.64	0.00	0.02	0.004	0.000	80.58	100%	Wood, Fiberglass Reinforced Plastics
Glass Cleaner C-31	8.26	99.86%	87.0%	12.9%	83.7%	0.20%	0.0022	1.00	6.53	1.06	0.00	0.06	0.010	0.000	531.12	100%	Wood, Fiberglass Reinforced Plastics, Carpet
Cyclo brake cleaner C-111	6.34	100.00%	26.0%	74.0%	34.3%	0.00%	0.0010	1.00	7.14	4.69	0.00	0.11	0.021	0.000	n/a	75%	Wood, Wood panels, Metal
Cyclo silicone (C33)	5.25	92.00%	8.0%	84.0%	5.5%	0.00%	0.0003	1.00	4.67	4.41	0.00	0.03	0.006	0.000	n/a	75%	Metal
Spray N Go paint (touch-up)	6.67	78.00%	2.0%	76.0%	2.0%	22.00%	0.0009	1.00	5.17	5.07	0.00	0.11	0.020	0.001	23.04	75%	Metal
WD 40 (maintenance)	6.67	78.00%	0.0%	78.0%	0.0%	30.00%	0.0003	1.00	5.20	5.20	0.00	0.04	0.007	0.000	17.34	75%	Metal
Fiberglass Rubbing compound	10.50	50.00%	22.4%	27.6%	22.4%	50.00%	0.0020	1.00	3.73	2.90	0.01	0.14	0.025	0.000	5.80	100%	Wood, Wood panels
Polyester glazing putty	14.9	20.00%	6.2%	13.8%	11.0%	80.00%	0.0034	1.00	2.31	2.06	0.01	0.17	0.031	0.044	2.57	75%	Wood, Fiberglass
Aero Final Finish																	
IPS Weld-on cement	7.30	70.00%	0.0%	70.0%	0.0%	30.00%	0.0032	1.00	5.11	5.11	0.02	0.39	0.072	0.000	17.03	100%	Wood, Fiberglass Reinforced Plastics
Isopropyl Alcohol	6.55	100.00%	0.00%	100%	0.00%	0.00%	0.0063	1.00	6.55	6.55	0.04	0.99	0.181	0.000	n/a	100%	Wood, Wood panels
Touch N' Tone paint (touch-up)	5.56	65.00%	0.0%	65.0%	0.0%	13.11%	0.0016	1.00	3.61	3.61	0.01	0.14	0.025	0.003	27.57	75%	Wood, Metal
Aero Touch-up/Repair																	
Cyclo brake cleaner C-111	6.34	100.00%	26.0%	74.0%	26.0%	0.00%	0.0090	0.200	6.34	4.69	0.01	0.20	0.037	0.000	n/a	75%	Wood panels, Fiberglass
Mineral spirits	6.59	100.00%	0.0%	100.0%	0.0%	0.00%	0.0050	0.200	6.59	6.59	0.01	0.16	0.029	0.000	n/a	100%	Wood, Wood panels
Spray N Go paint (touch-up)	6.67	78.00%	0.0%	78.0%	0.0%	9.96%	0.0009	0.200	5.20	5.20	0.00	0.02	0.004	0.000	52.23	75%	Metal
Touch N' Tone paint (touch-up)	5.56	65.00%	0.0%	65.0%	0.0%	13.11%	0.0011	0.200	3.61	3.61	0.00	0.02	0.003	0.000	27.57	75%	Wood panels, Metal
Centari acrylic enamel	7.74	84.60%	0.0%	84.6%	0.0%	30.34%	0.0100	0.200	5.00	5.00	0.01	0.24	0.044	0.006	16.48	75%	Wood, Wood panels, Fiberglass
Enamel reducers	6.44	100.00%	0.0%	100.0%	0.0%	0.00%	0.0100	0.200	6.44	6.44	0.01	0.31	0.056	0.000	n/a	75%	Wood, Wood panels, Fiberglass
Isocyanate activator	8.07	74.00%	9.0%	65.0%	8.7%	28.40%	0.0100	0.200	5.75	5.25	0.01	0.25	0.046	0.005	18.47	75%	Wood, Wood panels, Fiberglass
Chroma base clear	7.17	96.37%	0.0%	96.4%	0.0%	2.74%	0.0050	0.200	6.91	6.91	0.01	0.17	0.030	0.000	252.18	75%	Wood, Wood panels, Fiberglass
Chroma one binder	7.10	99.98%	0.0%	99.98%	0.0%	0.02%	0.0050	0.200	7.10	7.10	0.01	0.17	0.031	0.000	n/a	75%	Wood, Wood panels, Fiberglass

PM Control Efficiency: 0.00%

State Potential Emissions

Add worst case coating to all solvents

Uncontrolled	1.25	30.10	5.49	1.50
Controlled	1.25	30.10	5.49	1.50

Methodology:

Pounds of VOC per Gallon Coating less Water = (Density (lbs/gal) * Weight % Organics) / (1-Volume % water)
 Pounds of VOC per Gallon Coating = (Density (lbs/gal) * Weight % Organics)
 Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lbs/gal) * Gal of Material (gal/unit) * Maximum (units/hr)
 Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lbs/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)
 Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lbs/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hr/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

**Emission Calculations
HAP Emission Calculations
From Aero Trailer Line Surface Coating Operations**

Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2639 Lincolnway East, Goshen, Indiana 46526
Permit No: 039-27102-00376
Plt ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 8, 2008

2639 Lincolnway East (Aero Line)

Material	Density (lbs/gal)	Gallons of Material (gal/unit)	Maximum (unit/hr)	Weight % Vinyl acetate	Weight % Toluene	Weight % Hexane	Weight % DEHP	Weight % Xylenes	Weight % Ethylbenzene	Weight % Styrene	Weight % MIBK	Weight % Dichloromethane	Weight % Tetrachloroethylene	Weight % Naphthalene	Weight % Glycol Ethers	Weight % Propyleneimine	Weight % HDI	Weight % MDI
Aero Travel Trailer Production Line																		
Aero Woodworking																		
Mobilbond glue	9.50	0.1000	1.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Aero Assembly																		
502 LSW lap sealant	9.92	0.0630	1.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
905 BA adhesive	8.20	0.1400	1.00	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
IPS Weld-on #771	7.30	0.0249	1.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Parasil 1029 adhesive	8.76	0.0009	1.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Russell 676 adhesive	5.70	0.0156	1.00	0.00%	0.00%	35.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	60.00%
Tite R Bond GL2287A	7.42	0.0113	1.00	0.00%	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.08%	0.00%	0.00%
Enerfoam RV Ener 43	10.0	0.0259	1.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	50.00%
Ener 10 cleaner	7.99	0.0010	1.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Crazy Clean 030	8.16	0.0015	1.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Glass Cleaner C-31	8.26	0.0022	1.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Cyclo brake cleaner C-111	6.34	0.0010	1.00	0.00%	30.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Cyclo silicone (C33)	5.25	0.0003	1.00	0.00%	0.00%	40.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Spray N Go paint (touch-up)	6.67	0.0009	1.00	0.00%	20.00%	0.00%	0.00%	5.00%	1.70%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
WD 40 (maintenance)	6.67	0.0003	1.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fiberglass Rubbing compound	10.50	0.0020	1.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Polyester glazing putty	14.9	0.0034	1.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	20.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Aero Final Finish																		
IPS Weld-on cement	7.30	0.0032	1.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Isopropyl Alcohol	6.55	0.0063	1.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Touch N' Tone paint (touch-up)	5.56	0.0016	1.00	0.00%	15.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Aero Touch-up/Repair																		
Cyclo brake cleaner C-111	6.34	0.0090	0.200	0.00%	30.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Mineral spirits	6.59	0.0050	0.200	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Spray N Go paint (touch-up)	6.67	0.0009	0.200	0.00%	20.00%	0.00%	0.00%	5.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Touch N' Tone paint (touch-up)	5.59	0.0011	0.200	0.00%	15.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Centari acrylic enamel	7.74	0.0100	0.200	0.00%	17.00%	0.00%	0.00%	6.0%	2.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Enamel reducers	6.44	0.0100	0.200	0.00%	6.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.00%	1.00%	2.00%	0.00%	0.00%	0.00%
Isocyanate activator	8.07	0.0100	0.200	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Chroma base clear	7.17	0.0050	0.200	0.00%	28.0%	0.00%	0.00%	16.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Chroma one binder	7.10	0.0050	0.200	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Methodology:

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

* Note: The MDI and HDI emissions are overestimates and calculated assuming 100% volatilization of the MDI component of the substance when in fact MDI solidifies upon contact with moisture in ambient air.

TOTAL

Vinyl acetate	Toluene	Hexane	DEHP	Xylene	Ethyl benzene	Styrene	MIBK	Dichloromethane	Tetrachloroethane	Naphthalene	Glycol Ethers	Propyleneimine	HDI	MDI	Total Emissions
Vinyl acetate Emissions (tons/yr)	Toluene Emissions (tons/yr)	Hexane Emissions (tons/yr)	DEHP Emissions (tons/yr)	Xylene Emissions (tons/yr)	Ethyl benzene Emissions (tons/yr)	Styrene Emissions (tons/yr)	MIBK Emissions (tons/yr)	Dichloromethane Emissions (tons/yr)	Tetrachloroethylene Emissions (tons/yr)	Naphthalene Emissions (tons/yr)	Glycol Ethers Emissions (tons/yr)	Propyleneimine Emissions (tons/yr)	HDI Emissions (tons/yr)	MDI Emissions (tons/yr)	Total Emissions (ton/yr)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.050
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.370
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.008
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.567
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.008
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.003
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.007
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.044
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.006
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.015
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.017
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.006
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.014
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
0.050	0.073	0.139	0.000	0.007	0.000	0.044	0.000	0.000	0.001	0.001	0.001	0.000	0.000	0.801	1.118

**Emissions Calculations
VOC and Particulate**

From Aero Trailer Line Surface Coating Operations

Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2639 Lincolnway East, Goshen, Indiana 46526
Permit No: 039-27102-00376
Pit ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 8, 2008

2639 Lincolnway East (Repair Services)

Material	Density (lbs/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (units/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 (tons/yr)	lbs VOC/gal solids	Transfer Efficiency	Substrate
Dutchmen Repair Services																	
Crazy Clean 030	8.16	93.10%	85.3%	7.80%	83.5%	8.95%	0.0500	0.10	3.85	0.64	0.00	0.08	0.014	0.003	7.11	75%	Wood, Fiberglass, Metal
Glass Cleaner 040	8.34	99.86%	90.0%	9.86%	83.7%	0.10%	0.0020	0.10	5.05	0.82	0.00	0.00	0.001	0.000	822.32	75%	Glass
Brake Parts Cleaner #74	6.00	96.00%	88.0%	8.00%	88.0%	4.00%	0.0080	0.10	4.00	0.48	0.00	0.01	0.002	0.000	12.00	75%	Wood panels
Citrus Cleaner	7.19	100.00%	0.0%	100.00%	0.0%	0.00%	0.0050	0.10	7.19	7.19	0.00	0.09	0.016	0.000	n/a	75%	Wood, Fiberglass Reinforced Plastics
IPS Weld-on #771	7.30	70.00%	0.0%	70.00%	0.0%	30.00%	0.0400	0.10	5.11	5.11	0.02	0.49	0.090	0.000	17.03	100%	Wood, Fiberglass Reinforced Plastics
Roof Sealant DC 12718	9.92	32.50%	0.0%	32.50%	0.00%	67.50%	0.0035	0.10	3.22	3.22	0.00	0.03	0.005	0.000	4.78	100%	Wood, Fiberglass Reinforced Plastics
905 BA adhesive	8.20	51.00%	51.0%	0.00%	51.0%	49.00%	0.1400	0.10	0.00	0.00	0.00	0.00	0.000	0.000	0.00	100%	Wood, Fiberglass Reinforced Plastics, Vinyl
Undercoat 705A	7.99	65.00%	15.4%	49.60%	15.4%	35.00%	0.0070	0.10	4.68	3.96	0.00	0.07	0.012	0.000	11.32	100%	Wood, Carpet
Bender 630 cement	7.95	88.00%	55.0%	33.00%	55.0%	12.00%	0.0080	0.10	5.83	2.62	0.00	0.05	0.009	0.000	21.86	100%	Wood, Fiberglass Reinforced Plastics
Bender 601 adhesive	10.43	88.00%	49.6%	38.40%	49.6%	12.00%	0.0080	0.10	7.95	4.01	0.00	0.08	0.014	0.000	33.38	100%	Wood, Fiberglass Reinforced Plastics
Fiberglass repair adhesive-A	10.0	0.78%	0.0%	0.78%	0.00%	99.20%	0.0013	0.10	0.08	0.08	0.00	0.00	0.000	0.000	0.08	100%	Fiberglass
Fiberglass repair adhesive-B	9.20	0.50%	0.0%	0.50%	0.0%	99.50%	0.0013	0.10	0.05	0.05	0.00	0.00	0.000	0.000	0.05	100%	Fiberglass
Rubbing compound 06085	9.10	82.00%	66.0%	16.00%	66.0%	18.00%	0.0001	0.10	4.28	1.46	0.00	0.00	0.000	0.000	8.09	100%	Wood panels
Duramix plastic adhesive 04247	8.50	1.00%	0.0%	1.00%	0.0%	99.00%	0.0060	0.10	0.09	0.09	0.00	0.00	0.000	0.000	0.09	100%	Plastic
Plastic adhesion promoter	6.84	95.50%	45.5%	50.00%	50.0%	4.50%	0.0060	0.10	6.84	3.42	0.00	0.05	0.009	0.000	76.00	100%	Plastic
Multiprep DX 103	6.57	99.90%	0.0%	99.90%	0.0%	0.15%	0.0200	0.10	6.56	6.56	0.01	0.32	0.057	0.000	n/a	100%	Wood, Fiberglass, Fiberglass Reinforced Plastics
Urethane sealer DAS3021	12.25	56.00%	0.0%	56.00%	0.0%	60.40%	0.0100	0.10	6.86	6.86	0.01	0.16	0.030	0.006	n/a	75%	Wood, Fiberglass, Fiberglass Reinforced Plastics
Clearcoat	8.12	55.70%	0.0%	55.70%	0.0%	49.10%	0.0250	0.10	4.52	4.52	0.01	0.27	0.050	0.010	9.21	75%	Wood, Fiberglass, Fiberglass Reinforced Plastics
Basecoat FBC-1	10.06	51.00%	0.0%	51.00%	0.0%	59.00%	0.0125	0.10	5.13	5.13	0.01	0.15	0.028	0.007	8.70	75%	Wood, Fiberglass, Fiberglass Reinforced Plastics
Thinner	7.13	100.00%	0.0%	100.00%	0.0%	0.00%	0.0500	0.10	7.13	7.13	0.04	0.86	0.156	0.000	n/a	75%	Wood, Fiberglass, Fiberglass Reinforced Plastics
Reducer	7.12	100.00%	0.0%	100.00%	0.0%	0.00%	0.0200	0.10	7.12	7.12	0.01	0.34	0.062	0.000	n/a	75%	Wood, Fiberglass, Fiberglass Reinforced Plastics
Hardener ESH 200	9.52	13.20%	0.0%	13.20%	0.0%	89.00%	0.0100	0.10	1.26	1.26	0.00	0.03	0.006	0.009	1.41	75%	Wood, Fiberglass, Fiberglass Reinforced Plastics
Undercoat hardener DCX 3030	8.13	60.00%	28.0%	32.00%	28.0%	48.00%	0.0100	0.10	3.61	2.60	0.00	0.06	0.011	0.004	n/a	75%	Wood, Fiberglass, Fiberglass Reinforced Plastics
Instapak A - polyurethane resin	8.80	1.00%	0.0%	1.00%	0.0%	99.00%	0.5000	0.13	0.09	0.09	0.01	0.13	0.024	0.000	0.09	100%	Plastic bubble wrap production, not applied to surface
Instapak B - component polymer	10.3	1.00%	0.0%	1.00%	0.0%	99.00%	0.5000	0.13	0.10	0.10	0.01	0.15	0.028	0.000	0.10	100%	Plastic bubble wrap production, not applied to surface

PM Control Efficiency: 0.00%

State Potential Emissions

Add worst case coating to all solvents

Uncontrolled	0.14	3.42	0.62	0.04
Controlled	0.14	3.42	0.62	0.04

Methodology:

Pounds of VOC per Gallon Coating less Water = (Density (lbs/gal) * Weight % Organics) / (1-Volume % water)
Pounds of VOC per Gallon Coating = (Density (lbs/gal) * Weight % Organics)
Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lbs/gal) * Gal of Material (gal/unit) * Maximum (units/hr)
Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lbs/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)
Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lbs/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hr/yr) * (1 ton/2000 lbs)
Particulate Potential Tons per Year = (units/hour) * (lbs/gal) * (1-Weight % Volatiles) * (1-Transfer efficiency) * (8760 hrs/yr) * (1 ton/2000 lbs)
Pounds VOC per Gallon of Solids = (Density (lbs/gal) * Weight % organics) / (Volume % solids)
Total = Worst Coating + Sum of all solvents used

**Emission Calculations
HAP Emission Calculations
From Dutchmen Repair Services Surface Coating Operations**

Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2639 Lincolnway East, Goshen, Indiana 46526
Permit No: 039-27102-00376
Plt ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 8, 2008

2639 Lincolnway East (Repair Services)

Material	Density (lbs/gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Vinyl acetate	Weight % Toluene	Weight % Hexane	Weight % DEHP	Weight % Xylenes	Weight % Ethylbenzene	Weight % Styrene	Weight % MIBK	Weight % Dichloromethane	Weight % Tetrachloroethylene	Weight % Naphthalene	Weight % Glycol Ethers	Weight % Propyleneimine	Weight % HDI	Weight % MDI
Dutchmen Repair Services																		
Crazy Clean 030	8.16	0.0500	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Glass Cleaner 040	8.34	0.0020	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Brake Parts Cleaner #74	6.00	0.0080	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Citrus Cleaner	7.19	0.0050	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
IPS Weld-on #771	7.30	0.0400	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Roof Sealant DC 12718	9.92	0.0035	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
905 BA adhesive	8.20	0.1400	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	1.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Undercoat 705A	7.99	0.0070	0.10	0.00%	20.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Bender 630 cement	7.95	0.0080	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	40.0%	5.0%	0.00%	0.00%	0.00%	0.00%	0.00%
Bender 601 adhesive	10.43	0.0080	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	55.0%	15.0%	0.00%	0.00%	0.00%	0.00%	0.00%
Fiberglass repair adhesive-A	10.0	0.0013	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	60.0%
Fiberglass repair adhesive-B	9.20	0.0013	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Rubbing compound 06085	9.10	0.0001	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	8.1%	0.00%	0.00%	0.00%	0.00%
Duramix plastic adhesive 04247	8.50	0.0060	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Plastic adhesion promoter	6.84	0.0060	0.10	0.00%	0.00%	0.00%	0.00%	50.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multiprep DX 103	6.57	0.0200	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Urethane sealer DAS3021	12.25	0.0100	0.10	0.00%	1.0%	0.00%	0.00%	7.0%	1.0%	0.00%	5.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Clearcoat F3930	8.12	0.0250	0.10	0.00%	0.00%	0.00%	0.00%	1.0%	0.00%	1.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Basecoat FBC-1	10.06	0.0125	0.10	0.00%	0.00%	0.00%	0.00%	1.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Thinner	7.13	0.0500	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Reducer	7.12	0.0200	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Hardener ESH 200	9.52	0.0100	0.10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Undercoat hardener DCX 3030	8.13	0.0100	0.10	0.00%	0.00%	0.00%	0.00%	10.0%	1.5%	0.00%	20.0%	0.00%	0.00%	0.00%	0.00%	0.00%	65.0%	0.00%
Instapak A - polyurethane resin	8.80	0.5000	0.13	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	45.0%
Instapak B - component polymer	10.3	0.5000	0.13	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Cyclo Cleaner	8.34	0.099	0.13	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pre-Clean	6.25	0.032	0.13	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Spray N Go paint (touch-up)	6.67	0.001	0.13	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Touch N' Tone paint (touch-up)	5.59	0.001	0.13	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Acrylic primer surfacer	10.4	0.001	0.13	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Hardener	8.95	0.001	0.13	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Universal Blender	7.59	0.020	0.13	0.00%	20.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

TOTAL

Methodology:

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

* Note: The MDI and HDI emissions are overestimates and calculated assuming 100% volatilization of the MDI component of the substance when in fact MDI solidifies upon contact with moisture in ambient air.

**Appendix A: Emission Calculations
Woodworking Operations**

Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2021 Kercher Road, Goshen, IN 46526
 2412 Caragana Court, Goshen, Indiana 46526
 2410 Dierdorff Road, Goshen, Indiana 46526
 2402 Dierdorff Road, Goshen, Indiana 46526
 2639 Lincolnway East, Goshen, Indiana 46526
FESOP No: 039-27102-00376
Plt ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 8, 2008

Unit ID	Control Efficiency (%)	Grain Loading per Actual Cubic foot of Outlet Air (grains/cub. ft.)	Gas or Air Flow Rate (acfm.)	Uncontrolled Potential PM Emissions (lb/hr)	Uncontrolled Potential PM Emissions (tons/yr)	PM Emission Rate after Controls (lb/hr)	PM Emission Rate after Controls (tons/yr)
2021 Kercher Road							
Classic line Cabinet and Mill Cyclone/Dust Collector P1	99.90%	0.00286	6005	147	644	0.147	0.644
Cyclone/Dust Collector P2	99.00%	0.00220	2725	5.14	22.5	0.051	0.225
Cabinet and Mill Mitre Saw Baghouse B1	99.00%	0.00048	1120	0.461	2.02	0.005	0.020
Cabinet and Mill Mitre Saw Baghouse B2	99.00%	0.00048	1120	0.461	2.02	0.005	0.020
Assembly and Final Finish Baghouse B3	99.00%	0.00048	1120	0.461	2.02	0.005	0.020
Assembly and Final Finish Baghouse B4	99.00%	0.00048	1120	0.461	2.02	0.005	0.020
2412 Caragana Court							
Colorado Line Cabinet and Mill baghouse P3	99.98%	0.00087	8510	317	1390	0.063	0.278
Slide-out Assembly Baghouse B5	99.00%	0.00048	650	0.267	1.17	0.003	0.012
Assembly and Final Finish Baghouse B6	99.00%	0.00048	650	0.267	1.17	0.003	0.012
Assembly and Final Finish Baghouse B7	99.00%	0.00048	650	0.267	1.17	0.003	0.012
Assembly and Final Finish Baghouse B8	99.00%	0.00048	650	0.267	1.17	0.003	0.012
Assembly and Final Finish Baghouse B9	99.00%	0.00048	650	0.267	1.17	0.003	0.012
Assembly and Final Finish Baghouse B10	99.00%	0.00048	650	0.267	1.17	0.003	0.012
2639 Lincolnway East							
Aero Line Woodworking Cyclone/Dust Collector P5	80.00%	0.00400	3500	0.600	2.63	0.120	0.526
Aero Woodworking portable baghouse (PB3)	99.00%	0.00048	550	0.226	0.99	0.002	0.010
Aero Assembly portable baghouse (PB4)	99.00%	0.00048	500	0.206	0.90	0.002	0.009
Aero Assembly portable baghouse (PB5) standby	99.00%	0.00048	500	0.206	0.90	0.002	0.009
Repair Services portable baghouse (PB6)	99.00%	0.00048	500	0.206	0.90	0.002	0.009
2410 Dierdorff Road							
(Wood waste grinding) P4	99.98%	0.00044	10000	187	820	0.037	0.164
2402 Dierdorff Road (T@B)							
portable baghouses (PB1)	99.00%	0.00048	1120	0.461	2.02	0.005	0.020
portable baghouses (PB2)	99.00%	0.00048	1120	0.461	2.02	0.005	0.020
Totals:				663	2902	0.47	2.07

Note:

In October of 1993 a Final Order Granting Summary Judgment was signed by an Administrative Law Judge ("ALJ") resolving an appeal of an IDEM permit related to the method by which IDEM calculated potential emissions from woodworking operations. In his findings, the ALJ determined that particulate controls were necessary for the facility, and therefore, potential emissions were to be calculated after controls. Based on this ruling, potential emissions for particulate matter were calculated after consideration of the controls.

Methodology:

PM Emission Rate after controls (lb/hr) = (grains/cub. ft.) (sq. ft.) ((cub. ft./min.)/sq. ft.) (60 min/hr) (lb/7000 grains)
 PM Emission Rate after controls (tons/yr) = (lbs/hr) (8760 hr/yr) (ton/2000 lb)
 Uncontrolled Potential PM Emissions (lbs/hr) = PM Emission Rate (after controls): (lbs/hr)/(1-control efficiency)
 Uncontrolled Potential PM Emissions (tons/yr) = PM Emission Rate before Controls (lbs/hr) (8760 hr/yr) (ton/2000 lb)

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

Company Name: Dutchmen Manufacturing, Inc.
Address City IN Zip: 2021 Kercher Road, Goshen, IN 46526
 2412 Caragana Court, Goshen, Indiana 46526
 2410 Dierdorff Road, Goshen, Indiana 46526
 2402 Dierdorff Road, Goshen, Indiana 46526
 2639 Linconway East, Goshen, Indiana 46526
FESOP No: 039-27102-00376
Plt ID: 039-00376
Permit Reviewer: Jason R. Krawczyk
Date: December 8, 2008

WELDING	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	
Metal Inert Gas (MIG)(carbon steel)	2	0.354		0.0055	0.0005			0.004	0.000	0.000	0.000	0.000
Metal Inert Gas (MIG)(carbon steel)	2	0.100		0.0055	0.0005			0.001	0.000	0.000	0.000	0.000
Metal Inert Gas (MIG)(carbon steel)	2	0.020		0.0055	0.0005			0.000	0.000	0.000	0.000	0.000
Metal Inert Gas (MIG)(carbon steel)	2	0.354		0.0055	0.0005			0.004	0.000	0.000	0.000	0.000
Metal Inert Gas (MIG)(carbon steel)	2	0.140		0.0055	0.0005			0.002	0.000	0.000	0.000	0.000
Stick (E7018 electrode)	2	0.120		0.0211	0.0009			0.005	0.000	0.000	0.000	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	1	0.375	0.167	0.1622	0.0005	0.0001	0.0003	0.001	0.000	0.000	0.000	0.000
EMISSION TOTALS												
Potential Emissions lbs/hr								0.016	0.001	0.000	0.000	0.001
Potential Emissions lbs/day								0.392	0.028	0.000	0.000	0.028
Potential Emissions tons/year								0.071	0.005	0.000	0.000	0.005

Methodology:

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

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 lb