



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: August 1, 2006

RE: Dutchmen Mfg. Inc. - T & B Plant / 039-21768-00618

FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Registration

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 4-21.5-3-4(d) this order is effective when it is served. When served by U.S. mail, the order is effective three (3) calendar days from the mailing of this notice pursuant to IC 4-21.5-3-2(e).

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FN-REGIS.dot 03/23/06



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204-2251
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Mr. Jeffrey Chiddister
Dutchmen Manufacturing, Inc.
2164 Caragana Ct.
Goshen, Indiana 46526

August 1, 2006

Re: Registered Construction and Operation Status,
039-21768-00618

Dear Mr. Chiddister :

The application from Dutchmen Manufacturing, Inc. - T@B and Wild Thing Travel Trailer Lines received on September 13, 2005, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.1-2 and 326 IAC 2-5.5, it has been determined that the following existing travel trailer manufacturing source, located at 13861 County Road 4, Bristol, Indiana, 46507 is classified as registered:

- (a) One (1) T@B Trailer Line consisting of:
 - (1) One (1) laminating operation, identified as roof lamination, utilizing wiping applications, installed in 2004, capacity: 0.75 travel trailers per hour.
 - (2) One (1) chassis preparation, identified as chassis prep, utilizing aerosol cans and wiping applications, installed in 2004, 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 (P1 and P2), 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, installed in 2004, capacity: 0.75 travel trailers per hour.
 - (5) One (1) final finish operation, identified as final finish, utilizing aerosol cans and wiping applications, installed in 2004, capacity: 0.75 travel trailers per hour.

- (b) Ten (10) natural gas-fired radiant heaters, identified as H1 - H10, installed in 2004, capacity: 0.150 million British thermal units per hour, each.
- (c) Three (3) natural gas-fired radiant heaters, identified as H11-H13, installed in 2004, capacity: 0.100 million British thermal units per hour, each.
- (d) One (1) Wild Thing Travel Trailer Line consisting of:
 - (1) One (1) chassis and floor preparation, identified as Wild Thing Chassis Prep, utilizing aerosol cans and wiping applications, installed in October 2005, capacity: 0.50 travel trailers per hour.
 - (2) One (1) assembly operation, identified as Wild Thing Assembly, utilizing aerosol cans and wiping applications, installed in October 2005, with particulate from woodworking controlled by one (1) baghouse (P3) exhausting inside, capacity: 35.0 pounds of stiles per hour and 0.50 travel trailers per hour, consisting of:
 - (A) One (1) chop saw, identified as WCS1.
 - (B) One (1) miter saw, identified as WMS1.
 - (3) One (1) final finish operation, identified as Wild Thing final finish, utilizing aerosol cans and wiping applications, installed in October 2005, capacity: 0.50 travel trailers per hour.

The following conditions shall be applicable:

- (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.
- (2) Pursuant to 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating), the surface coating applied to wood furniture and cabinets at the one (1) T@B Trailer Line 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.

- (3) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the woodworking operations at the one (1) mill and cabinet shop for 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.
- (4) In order to comply with Condition (3), all woodworking operations at the one (1) mill and cabinet shop for the T@B Trailer Line must be controlled by at least one (1) of the two (2) baghouses (PB1 or PB2) at all times when the woodworking is in operation in order to comply with this rule.

This registration is the first registration issued to this source. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Quality that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3). The annual notice shall be submitted to:

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

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,

Original signed by
Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

CAP/MES

cc: File - Elkhart County
Elkhart County Health Department
Air Compliance - Paul Karkiewicz
Northern Regional Office
Permit Tracking
Compliance Data Section
Office of Enforcement
Administrative & Development Section
Richard W. Florea, Dutchmen Manufacturing, Inc.

Registration Annual Notification

This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3)

Company Name:	Dutchmen Manufacturing, Inc. - T@B and Wild Thing Travel Trailer Lines
Address:	52400 State Road 15
City:	Bristol
Authorized individual:	Richard W. Florea
Phone #:	(574) 534-1224
Registration #:	039-21768-00618

I hereby certify that Dutchmen Manufacturing, Inc. - T@B and Wild Thing Travel Trailer Lines is still in operation and is in compliance with the requirements of Registration **039-21768-00618**.

Name (typed):
Title:
Signature:
Date:

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

Technical Support Document (TSD) for a Registration

Source Background and Description

Source Name:	Dutchmen Manufacturing, Inc. - T@B and Wild Thing Travel Trailer Lines
Source Location:	13861 County Road 4, Bristol, Indiana 46507
County:	Elkhart
SIC Code:	3792
Exemption No.:	039-20449-00618
Operation Permit Issuance Date:	April 14, 2005
Registration No.:	039-21768-00618
Permit Reviewer:	CarrieAnn Paukowits

The Office of Air Quality (OAQ) has reviewed an application from Dutchmen Manufacturing, Inc. - T@B and Wild Thing Travel Trailer Lines relating to the operation of a travel trailer manufacturing source. The addition of the Wild Thing Travel Trailer Line has caused the potential to emit VOC to increase to above exempt levels. Therefore, the source will be issued a comprehensive Registration.

Permitted Emission Units and Pollution Control Equipment

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

- (a) One (1) T@B Trailer Line consisting of:
- (1) One (1) laminating operation, identified as roof lamination, utilizing wiping applications, installed in 2004, capacity: 0.75 travel trailers per hour.
 - (2) One (1) chassis preparation, identified as chassis prep, utilizing aerosol cans and wiping applications, installed in 2004, 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 (P1 and P2), 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, installed in 2004, capacity: 0.75 travel trailers per hour.
 - (5) One (1) final finish operation, identified as final finish, utilizing aerosol cans and wiping applications, installed in 2004, capacity: 0.75 travel trailers per hour.
- (b) Ten (10) natural gas-fired radiant heaters, identified as H1 - H10, installed in 2004, capacity: 0.150 million British thermal units per hour, each.

- (c) Three (3) natural gas-fired radiant heaters, identified as H11-H13, installed in 2004, capacity: 0.100 million British thermal units per hour, each.

Unpermitted Emission Units and Pollution Control Equipment

The source also consists of the following unpermitted emission units:

One (1) Wild Thing Travel Trailer Line consisting of:

- (1) One (1) chassis and floor preparation, identified as Wild Thing Chassis Prep, utilizing aerosol cans and wiping applications, installed in October 2005, capacity: 0.50 travel trailers per hour.
- (2) One (1) assembly operation, identified as Wild Thing Assembly, utilizing aerosol cans and wiping applications, installed in October 2005, with particulate from woodworking controlled by one (1) baghouse (P3) exhausting inside, capacity: 35.0 pounds of stiles per hour and 0.50 travel trailers per hour, consisting of:
 - (A) One (1) chop saw, identified as WCS1.
 - (B) One (1) miter saw, identified as WMS1.
- (3) One (1) final finish operation, identified as Wild Thing final finish, utilizing aerosol cans and wiping applications, installed in October 2005, capacity: 0.50 travel trailers per hour.

Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following:

Exemption 039-20449-00618 issued on April 14, 2005.

All terms and conditions from previous approvals were either incorporated as originally stated, revised or deleted by this Registration. The following term has been revised:

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of the coating delivered to the applicators at the one (1) T@B Trailer Line shall be limited to 3.5 pounds of VOCs per gallon of coating less water, for air dried or forced warm air dried coatings. Solvent sprayed from application equipment during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

Reason revised: During the exemption review, it was determined that the requirements of 326 IAC 8-2-9 were applicable because the actual VOC emissions from the total of all coating processes were greater than fifteen (15) pounds per day. However, only certain coatings are applied to metal parts, and the potential VOC emissions when coating metal parts is less than fifteen (15) pounds per day. Therefore, the actual VOC emissions from each production line, when coating metal, are less than fifteen (15) pounds per day, and pursuant to 326 IAC 8-1-2(a)(2) and (4), the requirements of 326 IAC 8-2-9 are not applicable.

Enforcement Issue

- (a) IDEM is aware that the Wild Thing Travel Trailer Line has been constructed and operated prior to receipt of the proper approval (a registration is now required for this previously exempt source). The subject equipment is listed in this Technical Support Document under the condition entitled "Unpermitted Emission Units and Pollution Control Equipment".
- (b) IDEM is reviewing this matter and will take appropriate action. This proposed permit is intended to satisfy the requirements of the registration rules.

Recommendation

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

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

An application for the purposes of this review was received on September 23, 2005, with additional information received on November 30, 2005.

Emission Calculations

See pages 1 through 5 of Appendix A of this document for detailed emission calculations.

Potential to Emit of the Source Before Controls

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

Pollutant	Potential to Emit (tons/yr)
PM	12.8
PM ₁₀	12.8
SO ₂	0.005
VOC	6.94
CO	0.662
NO _x	0.788

HAPs	Potential to Emit (tons/yr)
Toluene	0.281
Hexane	0.047
MEK	0.339
Xylene	0.023
EthylBenzene	0.002
Cumene	0.002
MDI	0.265
Benzene, Dichlorobenzene, Formaldehyde, Lead, Cadmium, Chromium, Manganese, Nickel	< 0.001, each
Total	0.961

- (a) The potential to emit of PM and PM₁₀ is greater than five (5) tons per year and the potential to emit each criteria pollutants are less than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-5.1-2 and 326 IAC 2-5.5. A registration will be issued.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of the combination of HAPs is less than twenty-five (25) tons per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7, Part 70.
- (c) Fugitive Emissions
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

County Attainment Status

The source is located in Elkhart County.

Pollutant	Status
PM _{2.5}	attainment
PM ₁₀	attainment
SO ₂	attainment
NO ₂	attainment
1-Hour Ozone	attainment

Pollutant	Status
8-Hour Ozone	Basic nonattainment
CO	attainment
Lead	attainment

- (a) Volatile organic compounds (VOC) and nitrogen oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Elkhart County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) Volatile organic compounds (VOC) and nitrogen oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. Elkhart County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements of 326 IAC 2-3, Emission Offset.
- (c) Elkhart County has been classified as unclassifiable or attainment for PM_{2.5}. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM_{2.5} emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for PM_{2.5} emissions, it has directed states to regulate PM₁₀ emissions as a surrogate for PM_{2.5} emissions.

Source Status

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

Pollutant	Emissions (tons/yr)
PM	12.8
PM ₁₀	12.8
SO ₂	0.005
VOC	6.94
CO	0.662
NO _x	0.788
Single HAP	0.339
Combination HAPs	0.961

- (a) This existing source is not a major stationary source because no attainment regulated pollutant is emitted at a rate of two hundred and fifty (250) tons per year or greater and it is not in one of the twenty-eight (28) listed source categories, and no nonattainment regulated pollutant is emitted at a rate of one hundred (100) tons per year or greater.
- (b) The values in this table represent the unrestricted potential emissions from this source.

Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This existing source, including the emissions from this approval, 039-21768-00618, is still not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

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

This status is based on all the air approvals issued to the source. This status has been verified by the OAQ inspector assigned to the source.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) applicable to this source.
- (b) This source does not coat metal furniture. Therefore, the requirements of 40 CFR 60, Subpart EE, Standards of Performance for Surface Coating of Metal Furniture, and 40 CFR 63, Subpart RRRR, National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Furniture, are not included in the approval for this source.
- (c) The travel trailers assembled at this source are not automobiles or light duty trucks. Therefore, the requirements of 40 CFR 60, Subpart MM, Standards of Performance for Automobile and Light Duty Truck Surface Coating Operations, and 40 CFR 63, Subpart IIII, National Emission Standards for Hazardous Air Pollutants: Surface Coating of Automobiles and Light-Duty Trucks, are not included in the approval for this source.
- (d) This source is not a major source of HAPs. Therefore, requirements of 40 CFR 63, Subpart JJ, National Emission Standards for Wood Furniture Manufacturing Operations, are not included in the approval for this source.
- (e) This source is not a major source of HAPs. Therefore, the requirements of 40 CFR 63, Subpart MMMM, the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products, are not included in the approval for this source.
- (f) This source is not a major source of HAPs. Therefore, the requirements of 40 CFR 63, Subpart PPPP, National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products, are not included in the approval for this source.
- (g) This source is not a major source of HAPs. Therefore, the requirements of 40 CFR 63, National Emission Standards for Hazardous Air Pollutants (NESHAP), Subpart (QQQQ) Wood Building Products Surface Coating, are not included in the approval for this source.

State Rule Applicability – Entire Source

326 IAC 2-6 (Emission Reporting)

This source is not located in Lake or Porter County with the potential to emit greater than twenty-five (25) tons per year of NO_x, does not emit five (5) tons per year or more of lead and does not require a Part 70 Operating Permit. Therefore, the requirements of 326 IAC 2-6 do not apply.

326 IAC 2-3 (Emission Offset)

The unrestricted potential VOC emissions and the unrestricted potential NO_x emissions are each less than one-hundred (100) tons per year. Therefore, this source is a minor source pursuant to 326 IAC 2-3, Emission Offset.

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

The unrestricted potential emissions of each attainment criteria pollutant are less than two-hundred fifty (250) tons per year. Therefore, this source, which is not one of the twenty-eight (28) listed source categories, is a minor source pursuant to 326 IAC 2-2, PSD.

326 IAC 2-4.1-1 (New source toxics control)

The unrestricted potential emissions of each individual HAP are less than ten (10) tons per year and the unrestricted potential emissions of any combination of HAPs are less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 2-4.1 do not apply.

326 IAC 5-1 (Opacity Limitations)

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

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

State Rule Applicability – Individual Facilities

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

- (a) Each surface coating operation includes some coatings applied with spray cans. However, the potential particulate emissions from the coating manufacturing operations are less than 0.551 pounds per hour. Therefore, pursuant to 326 IAC 6-3-1(b)(14), the coating processes are exempt from the requirements of 326 IAC 6-3.
- (b) Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from the woodworking operations at the one (1) mill and cabinet shop for 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. The maximum potential to emit particulate after control by the baghouses (PB1 or PB2) is 0.012 pounds per hour, each. Therefore, all woodworking operations at the one (1) mill and cabinet shop for the T@B Trailer Line must be controlled by at least one (1)

of the two (2) baghouses (PB1 or PB2) at all times when the woodworking is in operation in order to comply with this rule.

- (c) The potential particulate emissions from the one (1) assembly operation at the Wild Thing Travel Trailer Line are less than 0.551 pounds per hour. Therefore, pursuant to 326 IAC 6-3-1(b)(14), the one (1) assembly operation at the Wild Thing Travel Trailer Line is exempt from the requirements of 326 IAC 6-3.

326 IAC 8-1-6 (New facilities; General reduction requirements)

The potential VOC emissions from each facility at this source are less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

326 IAC 8-2-9 (Miscellaneous Metal Coating)

This source, constructed after July 1, 1990, coats miscellaneous metal products under SIC 37. However, the unrestricted potential to emit is less than fifteen (15) pounds per day when coating metal parts. Therefore, the actual VOC emissions from each production line, when coating metal, are less than fifteen (15) pounds per day, and pursuant to 326 IAC 8-1-2(a)(2) and (4), the requirements of 326 IAC 8-2-9 are not applicable. Since the unrestricted potential to emit is less than fifteen (15) pounds per day, no limitations are required (see page 1 of Appendix A for emissions from coatings applied to metal).

326 IAC 8-2-10 (Flat Wood Panels; Manufacturing Operations)

This source 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.

326 IAC 8-2-11 (Fabric and Vinyl Coating)

This source does not perform fabric or vinyl coating. Therefore, the requirements of 326 IAC 8-2-11 are not applicable.

326 IAC 8-2-12 (Volatile Organic Compounds (VOC))

- (a) Pursuant to 326 IAC 8-2-1(a)(4), and Exemption 039-20449-00618, issued April 14, 2005, the one (1) T@B Trailer Line is subject to the requirements of 326 IAC 8-2-12, because it was constructed after 1990 and the actual VOC emissions from this line are greater than fifteen (15) pounds per day when coating wood cabinets. This rule requires that the owner or operator of a wood furniture or cabinet coating operation apply all coating material, with the exception of no more than ten (10) gallons of coating per day used for touch-up and repairs, using one (1) or more of the following application systems:

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

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

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

- (b) The unrestricted potential to emit VOC from the one (1) Wild Thing Travel Trailer Line is less than fifteen (15) pounds per day, total. Therefore, the actual VOC emissions are less than fifteen (15) pounds per day, and pursuant to 326 IAC 8-1-2(a)(2) and (4), the requirements of 326 IAC 8-2-12 are not applicable. Since the unrestricted potential to emit is less than fifteen (15) pounds per day, no limitations are required (see page 1 of Appendix A for emissions calculations).

Conclusion

The operation of this travel trailer manufacturing source shall be subject to the conditions of the Registration 039-21768-00618.

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

Company Name: Dutchmen Manufacturing, Inc. - T@B and Wild Thing Travel Trailer Lines
Address City IN Zip: 13861 County Road 4, Bristol, IN 46507
Permit Number: R 039-21768
Pit ID: 039-00618
Reviewer: CarrieAnn Paukowitz
Application Date: September 13, 2005

Process	Material	Density (Lb/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 (ton/yr)	lb VOC/gal solids	Transfer Efficiency	Material Substrate
T@B Trailer Line																		
Roof Lamination	SIA Adhesive 332 G	7.60	0.000%	0.00%	0.0%	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%	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%	74.0%	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%	11.2%	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 remover	5.84	35.0%	0.00%	35.0%	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%	88.0%	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%	80.0%	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%	35.0%	0.00%	61.0%	0.09470	0.750	2.77	2.77	0.197	4.73	0.862	0.80	4.54	50%	wood
	Sikallex 252 sealant	9.70	83.0%	11.0%	72.0%	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	0.258	0.258	0.002	0.038	0.007	0.07	0.271	50%	wood/fiberglass
	WD 40	6.67	70.0%	0.00%	70.0%	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	0.234	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%	70.0%	14.6%	10.0%	0.00280	0.750	5.47	4.67	0.1010	0.235	0.043	0.00	46.7	50%	wood/fiberglass
	Glass Cleaner	7.99	15.0%	5.00%	10.0%	4.79%	0.00%	0.00220	0.750	0.839	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%	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%	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%	65.0%	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
	A-1 glaze cleaner and polish	8.34	25.0%	0.00%	25.0%	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%	90.0%	4.20%	0.00%	0.00390	0.750	5.49	5.26	0.015	0.369	0.067	0.001	NA	50%	wood/fiberglass
Total for Line												0.998	24.0	4.37	1.38			
Wild Thing Travel Trailer Line																		
Wild Thing Chassis and Floor Preparation	Brake and Parts Cleaner	6.34	100%	26.0%	74.0%	19.8%	0.00%	0.02500	0.500	5.85	4.69	0.059	1.407	0.257	0.000	NA	50%	metal
	Westech adhesive	6.67	11.2%	0.00%	11.2%	0.00%	89.0%	0.03000	0.500	0.75	0.75	0.011	0.269	0.049	0.000	0.839	100%	metal
	Westech adhesive remover	5.84	35.0%	0.00%	35.0%	0.00%	100%	0.01000	0.500	2.04	2.04	0.010	0.245	0.045	0.042	2.044	50%	metal
Wild Thing Unit Assembly	Geocel 2300 sealant	7.92	35.0%	0.00%	35.0%	0.00%	61.0%	0.12000	0.500	2.77	2.77	0.166	3.99	0.728	0.68	4.54	50%	wood
	Oatey PVC cement	7.50	88.0%	0.00%	88.0%	0.00%	12.0%	0.01500	0.500	6.60	6.60	0.050	1.188	0.217	0.00	55.0	100%	wood
	AHB Thin Spread adhesive	8.42	33.8%	0.00%	33.8%	0.00%	65.0%	0.01000	0.500	2.85	2.85	0.014	0.342	0.062	0.00	4.4	100%	Wood/Fiberglass
	Oatey Cleaner	6.58	100%	20.0%	80.0%	15.8%	0.00%	0.00200	0.500	6.25	5.26	0.005	0.126	0.023	0.00	NA	100%	Wood
	502 LSW lap sealant	9.92	31%	0.0%	30.6%	0.0%	69.40%	0.05300	0.500	3.04	3.04	0.080	1.931	0.352	0.00	NA	100%	Wood/Reinforced Plastic
	905 BA bonding cement	8.20	51%	50.5%	0.5%	50.5%	49.00%	0.32500	0.500	0.08	0.04	0.007	0.160	0.029	0.00	NA	100%	Wood/Reinforced Plastic
	IPS Weld-on	7.30	70%	0.0%	70.0%	0.0%	30.00%	0.01000	0.500	5.11	5.11	0.026	0.613	0.112	0.00	NA	100%	Wood/Fiberglass
	Mobilbond glue	9.49	60%	0.0%	60.0%	0.0%	40.00%	0.00500	0.500	5.69	5.69	0.014	0.342	0.062	0.00	NA	100%	Wood/Fiberglass
	Tile R Bond	7.42	98%	0.0%	98.2%	0.0%	1.50%	0.01100	0.500	7.29	7.29	0.040	0.962	0.176	0.00	NA	100%	Wood/Reinforced Plastic
	Enerform adhesive	10.01	0%	0.0%	0.0%	0.0%	100.00%	0.02000	0.500	0.00	0.00	0.000	0.000	0.000	0.00	NA	100%	Wood/Reinforced Plastic
	Foam cleaner	7.99	96%	0.0%	95.8%	0.0%	4.00%	0.00100	0.500	7.65	7.65	0.004	0.092	0.017	0.00	NA	50%	Wood/Fiberglass
	Glass Cleaner	7.99	15.0%	5.00%	10.0%	4.79%	0.00%	0.00300	0.500	0.839	0.799	0.001	0.029	0.005	0.022	NA	50%	wood/fiberglass
	Crazy clean 030	8.16	93.1%	85.3%	7.80%	83.5%	8.90%	0.00200	0.500	3.85	0.636	0.001	0.015	0.003	0.001	7.15	50%	wood/fiberglass
	Cyclo spray adhesive	5.60	83.0%	11.0%	72.00%	7.4%	17.69%	0.00050	0.500	4.35	4.032	0.001	0.024	0.004	0.001	22.79	50%	wood/fiberglass
	WD 40	6.67	70.0%	0.00%	70.0%	0.00%	30.0%	0.00300	0.500	4.67	4.67	0.007	0.168	0.031	0.007	15.6	50%	wood/fiberglass
Wild Thing Final Finish	Geocel stainmatch sealant	13.35	3.70%	2.00%	1.70%	3.20%	94.1%	0.00250	0.500	0.234	0.227	0.0003	0.007	0.001	0.04	0.241	50%	wood/fiberglass
	Spray N Go paint	6.67	90.0%	20.0%	70.0%	14.6%	10.0%	0.00300	0.500	5.47	4.67	0.007	0.168	0.031	0.00	46.7	50%	wood/fiberglass
	Touch N Tone enamel	5.56	99.0%	20.0%	79.0%	15.0%	1.0%	0.00200	0.500	5.17	4.39	0.004	0.105	0.019	0.00	439.2	50%	wood/fiberglass
	Cyclo silicone	5.92	92.5%	7.5%	85.0%	15.0%	1.0%	0.00030	0.500	5.92	5.03	0.001	0.018	0.003	0.00	503.2	50%	wood/fiberglass
	Brake and Parts Cleaner	6.34	100%	26.0%	74.0%	19.8%	0.00%	0.00400	0.500	5.85	4.69	0.009	0.23	0.041	0.00	NA	50%	metal
	Glass Cleaner	7.99	15.0%	5.00%	10.0%	4.79%	0.00%	0.01000	0.500	0.839	0.799	0.004	0.096	0.017	0.074	NA	50%	wood/fiberglass
	Isopropyl alcohol	6.55	100%	0.00%	100%	0.00%	0.00%	0.00630	0.500	6.55	6.55	0.021	0.50	0.09	0.00	NA	100%	wood/fiberglass
	Mineral spirits	6.59	100%	0.00%	100%	0.00%	0.00%	0.01000	0.500	6.59	6.59	0.033	0.79	0.14	0.00	NA	100%	wood/fiberglass
Total for Line												0.575	13.8	2.52	0.861			
State Potential Emissions												1.57	37.76	6.89	2.25			
												1.57	37.8	6.89	2.25			

State Potential Emissions Add worst case coating to all solvents

Uncontrolled
Controlled

1.57
1.57

37.76
37.8

6.89
6.89

2.25
2.25

METHODOLOGY

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) * Weight % Organics) / (1-Volume % water)
Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)
Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr)
Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)
Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hrs/yr) * (1 ton/2000 lbs)
Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1-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

Company Name: Dutchmen Manufacturing, Inc. - T@B and Wild Thing Travel Trailer Lines
 Address City IN Zip: 13861 County Road 4, Bristol, IN 46507
 Permit Number: 039-21768
 Plant ID: 039-00377
 Prepared by: CarrieAnn Paukowitz
 Date: September 23, 2005

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Toluene	Weight % Hexane	Weight % MEK	Weight % Xylene	Weight % Ethyl benzene	Weight % Cumene	Weight % MDI	Toluene Emissions (ton/yr)	Hexane Emissions (ton/yr)	MEK Emissions (ton/yr)	Xylene Emissions (ton/yr)	Ethyl benzene Emissions (ton/yr)	Cumene Emissions (ton/yr)	MDI Emissions (ton/yr)	Total Emissions (ton/yr)
T@B Trailer Line																		
Roof Lamination																		
SIA Adhesive 332 G	7.60	0.82240	0.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	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%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chassis Frame and Floor Prep																		
Brake and Parts Cleaner	6.34	0.01970	0.750	30.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.123	0.000	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%	0.00%	0.000	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%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cabinet & Mill																		
Oatey PVC cement	7.50	0.00330	0.750	0.00%	0.00%	55.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.045	0.000	0.000	0.000	0.000	0.045
Oatey Cleaner	6.58	0.00030	0.750	0.00%	0.00%	80.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.005
Unit Assembly																		
Geocel 2300 sealant	7.92	0.08400	0.750	0.00%	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	0.000
Sikallex 252 sealant	9.70	0.00810	0.750	0.00%	0.00%	0.00%	5.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.013	0.000	0.000	0.000	0.013
Cyclo spray adhesive	5.60	0.00050	0.750	0.00%	35.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.003	0.000	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%	0.00%	0.000	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%	0.00%	0.000	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%	10.00%	5.00%	3.00%	0.00%	0.00%	0.012	0.000	0.006	0.003	0.002	0.000	0.000	0.023
Glass Cleaner	7.99	0.00220	0.750	0.00%	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	0.000
Crazy clean 030	8.16	0.02870	0.750	0.00%	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	0.000
Isopropyl alcohol	6.55	0.03820	0.750	0.00%	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	0.000
Stainless steel polish	8.21	0.00240	0.750	0.00%	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	0.000
Scotch grip adhesive	6.83	0.00590	0.750	7.00%	20.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.009	0.026	0.000	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%	0.00%	0.000	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%	0.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total for Line											0.145	0.030	0.056	0.016	0.002	0.000	0.002	0.250
Wild Thing Line																		
Chassis Frame and Floor Prep																		
Brake and Parts Cleaner	6.34	0.02500	0.500	30.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.104	0.000	0.000	0.000	0.000	0.000	0.000	0.104
Westech adhesive	6.67	0.03000	0.500	0.00%	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	0.000
Westech adhesive remover	5.84	0.01000	0.500	0.00%	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	0.000
Unit Assembly																		
Geocel 2300 sealant	7.92	0.12000	0.500	0.00%	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	0.000
Oatey PVC cement	7.50	0.01500	0.500	0.00%	0.00%	55.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.136	0.000	0.000	0.000	0.000	0.136
AHB Thin Spread adhesive	8.42	0.01000	0.500	0.00%	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	0.000
Oatey Cleaner	6.58	0.00200	0.500	0.00%	0.00%	80.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.023	0.000	0.000	0.000	0.000	0.023
502 LSW lap sealant	9.92	0.05300	0.500	0.00%	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	0.000
905 BA bonding cement	8.20	0.32500	0.500	0.00%	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	0.000
IPS Weld-on	7.30	0.01000	0.500	0.00%	0.00%	75.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.120	0.000	0.000	0.000	0.000	0.120
Mobilbond glue	9.49	0.00500	0.500	0.00%	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	0.000
Title R Bond	7.42	0.01100	0.500	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.004
Enerfoam adhesive	10.01	0.02000	0.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	60.00%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.263
Foam cleaner	7.99	0.00100	0.500	0.00%	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	0.000
Glass Cleaner	7.99	0.00300	0.500	0.00%	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	0.000
Crazy clean 030	8.16	0.00200	0.500	0.00%	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	0.000
Cyclo spray adhesive	5.60	0.00050	0.500	0.00%	35.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.002
WD 40	6.67	0.00030	0.500	0.00%	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	0.000
Final Finish and Repair																		
Geocel stainmatch sealant	13.35	0.00250	0.500	0.00%	0.00%	0.00%	7.00%	0.00%	3.00%	0.00%	0.000	0.000	0.000	0.005	0.000	0.002	0.000	0.007
Spray N Go paint	6.67	0.00300	0.500	20.00%	0.00%	10.00%	5.00%	0.00%	0.00%	0.00%	0.009	0.000	0.004	0.002	0.000	0.000	0.000	0.015
Touch N Tone enamel	5.56	0.00200	0.500	0.00%	0.00%	0.00%	15.00%	0.00%	0.00%	0.00%	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.004
Cyclo silicone	5.92	0.00030	0.500	0.00%	35.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.001
Brake and Parts Cleaner	6.34	0.00400	0.500	30.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.017
Glass Cleaner	7.99	0.01000	0.500	0.00%	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	0.000
Isopropyl alcohol	6.55	0.00630	0.500	0.00%	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	0.000
Mineral spirits	6.59	0.01000	0.500	0.00%	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	0.000
Total for Line											0.137	0.004	0.283	0.007	0.000	0.002	0.263	0.696
Total State Potential Emi											0.281	0.033	0.339	0.023	0.002	0.002	0.265	0.946

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

**Appendix A: Emissions Calculations
Woodworking and Plastics Operations**

Company Name: Dutchmen Manufacturing, Inc. - T@B and Wild Thing Travel Trailer Lines
Address City IN Zip: 13861 County Road 4, Bristol, IN 46507
Permit Number: 039-21768
Plant ID: 039-00377
Reviewer: CarrieAnn Paukowits
Date: September 23, 2005

Unit ID	Control Efficiency (%)	Grain Loading per Actual Cubic foot of Outlet Air (grains/cub. ft.)	Gas or Air Flow Rate (acfm.)	PM Emission Rate before Controls (lb/hr)	PM Emission Rate before Controls (tons/yr)	PM Emission Rate after Controls (lb/hr)	PM Emission Rate after Controls (tons/yr)
T@B Cabinet and Mill portable baghouse (PB1)	99.00%	0.00072	1900	1.17	5.14	0.012	0.051
T@B Cabinet and Mill portable baghouse (PB2)	99.00%	0.00072	1900	1.17	5.14	0.012	0.051
Wild Thing Assembly portable baghouse (PB3)	99.00%	0.00011	650	0.061	0.268	0.001	0.003
Totals:				2.41	10.5	0.024	0.105

Methodology:

AFTER CONTROL EMISSIONS RATE:

Hourly Emission Rate = grains/acf x acf/m x 60 min/hr x 1 lb/7,000 grains

Annual Emission Rate = lb/hr x 8,760 hr/year x 1/2,000 lb/ton

BEFORE CONTROL EMISSION RATE:

Potential Emissions = After Control Rate (tons/year) / [1 - Control Efficiency]

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

Company Name: Dutchmen Manufacturing, Inc. - T@B and Wild Thing Travel Trailer
Address City IN Zip: 13861 County Road 4, Bristol, IN 46507
Permit Number: 039-21768
Plant ID: 039-00377
Reviewer: CarrieAnn Paukowits
Date: September 23, 2005

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

1.80

15.8

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.90	7.60	0.600	100 **see below	5.50	84.0
Potential Emission in tons/yr	0.015	0.060	0.005	0.788	0.043	0.662

*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

Emission Factor in lb/MMcf	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	0.00210	0.00120	0.07500	1.80000	0.00340
Potential Emission in tons/yr	0.00002	0.00001	0.00059	0.01419	0.00003

Emission Factor in lb/MMcf	HAPs - Metals					Total
	Lead	Cadmium	Chromium	Manganese	Nickel	
	0.0005	0.0011	0.0014	0.0004	0.0021	
Potential Emission in tons/yr	0.00000	0.00001	0.00001	0.000003	0.00002	0.015

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

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

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

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

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

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

**Appendix A: Emissions Calculations
Total Emissions Summary**

Company Name: Dutchmen Manufacturing, Inc. - T@B and Wild Thing Travel Trailer Lines
Address City IN Zip: 13861 County Road 4, Bristol, IN 46507
Permit Number: 039-21768
Plant ID: 039-00377
Reviewer: CarrieAnn Paukowits
Date: September 23, 2005

Unrestricted Potential Emissions

Process	PM (tons/yr)	PM10 (tons/yr)	SO2 (tons/yr)	NOx (tons/yr)	VOC (tons/yr)	CO (tons/yr)	Toluene (tons/yr)	Hexane (tons/yr)	MEK (tons/yr)	Xylene (tons/yr)	Ethyl benzene (tons/yr)	Cumene (tons/yr)	MDI (tons/yr)	Total HAPs (tons/yr)
T@B Trailer Line Coating	1.38	1.38	0.00	0.00	4.37	0.00	0.145	0.030	0.056	0.016	0.002	0.000	0.002	0.250
T@B Trailer Line Woodworking	10.3	10.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Combustion	0.015	0.060	0.005	0.788	0.043	0.662	0.00003	0.014	0.00	0.00	0.00	0.00	0.00	0.015
Wild Thing Trailer Line Coating	0.861	0.861	0.00	0.00	2.52	0.00	0.137	0.004	0.283	0.007	0.000	0.002	0.263	0.696
Wild Thing Trailer Line Woodworking	0.268	0.268	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	12.8	12.8	0.005	0.788	6.94	0.662	0.281	0.047	0.339	0.023	0.002	0.002	0.265	0.961

Limited Potential to Emit

Process	PM (tons/yr)	PM10 (tons/yr)	SO2 (tons/yr)	NOx (tons/yr)	VOC (tons/yr)	CO (tons/yr)	Toluene (tons/yr)	Hexane (tons/yr)	MEK (tons/yr)	Xylene (tons/yr)	Ethyl benzene (tons/yr)	Cumene (tons/yr)	MDI (tons/yr)	Total HAPs (tons/yr)
T@B Trailer Line Coating	1.38	1.38	0.00	0.00	4.37	0.00	0.145	0.030	0.056	0.016	0.002	0.000	0.002	0.250
T@B Trailer Line Woodworking	0.103	0.103	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Combustion	0.015	0.060	0.005	0.788	0.043	0.662	0.00003	0.014	0.00	0.00	0.00	0.00	0.00	0.015
Wild Thing Trailer Line Coating	0.861	0.861	0.00	0.00	2.52	0.00	0.137	0.004	0.283	0.007	0.000	0.002	0.263	0.696
Wild Thing Trailer Line Woodworking	0.003	0.003	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	2.37	2.41	0.005	0.788	6.94	0.662	0.281	0.047	0.339	0.023	0.002	0.002	0.265	0.961