



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: December 15, 2011

RE: Atwood Mobile Products, LLC/039-30918-00603

FROM: Matthew Stuckey, Branch 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, 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
FN-REGIS.dot 1/2/08



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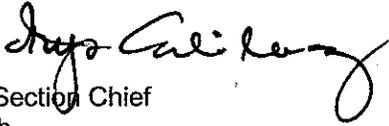
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REGISTRATION OFFICE OF AIR QUALITY

Atwood Mobile Products, LLC
1120 North Main Street
Elkhart, Indiana 46514

Pursuant to 326 IAC 2-5.1 (Construction of New Sources: Registrations) and 326 IAC 2-5.5 (Registrations), (herein known as the Registrant) is hereby authorized to construct and operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this registration.

Registration No. 039-30918-00603	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: December 15, 2011

SECTION A

SOURCE SUMMARY

This registration is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Registrant 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 Registrant to obtain additional permits pursuant to 326 IAC 2.

A.1 General Information

The Registrant owns and operates a stationary glass window and foam-core door with plastic, fiberglass, and metal outer skins production and assembly plant for the recreational vehicle and manufactured home industry.

Source Address:	1120 North Main Street, Elkhart, Indiana 46514
General Source Phone Number:	(574) 266-4766
SIC Code:	3089 (Plastic Products, Not Elsewhere Classified), 3422 (Metal Doors, Sash, Frames, Molding, and Trim Manufacturing), and 3231 (Glass Products, Made of Purchased Glass)
County Location:	Elkhart
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Registration

A.2 Emission Units and Pollution Control Equipment Summary

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

- (a) One (1) door machining line, identified as EU01, approved for construction in 2011, consisting of sawing and routing of foam-core doors and plastic, fiberglass, aluminum, and stainless steel outer skins, with a maximum capacity of 21.25 doors per hour, with particulate controlled by a dust collector, and exhausting to the indoors.
- (b) Two (2) welding booths, identified as EU02, approved for construction in 2011, each consisting of two (2) metal inert gas (MIG) welding stations, with a maximum capacity of 0.06 pounds of electrode per hour each, and exhausting to the indoors.
- (c) One (1) hot melt line, identified as EU03, approved for construction in 2011, consisting of pinch roller and aerosol application of adhesives to plastic, styrofoam, fiberglass, aluminum, and stainless steel, with a maximum capacity of 21.75 doors glued per hour, and exhausting to the indoors.
- (d) One (1) towable entry door products line, identified as EU04, approved for construction in 2011, consisting of hand application of sealants, adhesives, solvents, and cleaners to plastic, styrofoam, fiberglass, aluminum, and stainless steel, with a maximum capacity of 17.5 doors per hour, and exhausting to the indoors.
- (e) One (1) window products line, identified as EU05, approved for construction in 2011, consisting of hand application of caulk to glass, with a maximum capacity of 37.5 windows per hour, and exhausting to the indoors.
- (f) One (1) RV aluminum door products line, identified as EU06, approved for construction in 2011, consisting of hand and aerosol application of sealants, adhesives, solvents, and cleaners to aluminum and glass, with a maximum capacity of 2.0 doors per hour and 1.0 windows per hour, and exhausting to the indoors.

- (g) One (1) storm door products line, identified as EU07, approved for construction in 2011, consisting of hand application of caulk to aluminum and glass, with a maximum capacity of 10.0 doors per hour, and exhausting to the indoors.
- (h) One (1) tent camper products line, identified as EU08, approved for construction in 2011, consisting of hand application of caulk to wood and aluminum, with a maximum capacity of 7.5 units per hour, and exhausting to the indoors.
- (i) One (1) house door products line, identified as EU09, approved for construction in 2011, consisting of hand and aerosol application of coatings, caulk, solvents, and cleaners to wood, aluminum, plastic, fiberglass, and stainless steel, with a maximum capacity of 10.0 doors per hour, and exhausting to the indoors.
- (j) One (1) service window products line, identified as EU10, approved for construction in 2011, consisting of hand application of adhesive to glass, with maximum capacity of 1.13 windows per hour, and exhausting to the indoors.
- (k) Hand and aerosol application of miscellaneous coatings, solvents, and cleaners within the assembly building as needed.
- (l) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour:
 - (1) Eighteen (18) natural gas-fired forced air heaters, approved for construction in 2011, each with a maximum heat input capacity of 0.20 MMBtu/hr, and exhausting to the indoors.
 - (2) One (1) natural gas-fired forced air heater, approved for construction in 2011, with a maximum heat input capacity of 0.08 MMBtu/hr, and exhausting to the indoors.
 - (3) Two (2) natural gas-fired radiant heaters, approved for construction in 2011, each with a maximum heat input capacity of 0.06 MMBtu/hr, and exhausting to the indoors.
 - (4) Six (6) natural gas-fired radiant heaters, approved for construction in 2011, each with a maximum heat input capacity of 0.03 MMBtu/hr, and exhausting to the indoors.
- (m) Paved roads and parking lots with public access.

SECTION B

GENERAL CONDITIONS

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

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

B.2 Effective Date of Registration [IC 13-15-5-3]

Pursuant to IC 13-15-5-3, this registration 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.

B.3 Registration Revocation [326 IAC 2-1.1-9]

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

- (a) Violation of any conditions of this registration.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this registration.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this registration shall not require revocation of this registration.
- (d) For any cause which establishes in the judgment of IDEM the fact that continuance of this registration is not consistent with purposes of this article.

B.4 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to Registration No. 039-30918-00603 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 registration.

B.5 Annual Notification [326 IAC 2-5.1-2(f)(3)] [326 IAC 2-5.5-4(a)(3)]

Pursuant to 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3):

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

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

Indianapolis, IN 46204-2251

- (c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

B.6 Source Modification Requirement [326 IAC 2-5.5-6(a)]

Pursuant to 326 IAC 2-5.5-6(a), 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.

B.7 Registrations [326 IAC 2-5.1-2(i)]

Pursuant to 326 IAC 2-5.1-2(i), this registration does not limit the source's potential to emit.

B.8 Preventive Maintenance Plan [326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this registration, the Registrant shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this registration 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 Registrant's control, the PMPs cannot be prepared and maintained within the above time frame, the Registrant may extend the date an additional ninety (90) days provided the Registrant notifies:

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

The Registrant shall implement the PMPs.

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Registrant to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.
- (c) To the extent the Registrant is required by 40 CFR Part 60 or 40 CFR Part 63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such OMM Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-5.1-2(g)] [326 IAC 2-5.5-4(b)]

C.1 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 registration:

- (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.2 Fugitive Dust Emissions [326 IAC 6-4]

The Registrant 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).

SECTION D.1

OPERATION CONDITIONS

Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

- (a) One (1) door machining line, identified as EU01, approved for construction in 2011, consisting of sawing and routing of foam-core doors and plastic, fiberglass, aluminum, and stainless steel outer skins, with a maximum capacity of 21.25 doors per hour, with particulate controlled by a dust collector, and exhausting to the indoors.

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

Emission Limitations and Standards [326 IAC 2-5.1-2(f)(1)] [326 IAC 2-5.5-4(a)(1)]

D.1.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the door machining line shall not exceed 1.25 pounds per hour when operating at a process weight rate of 0.17 tons per hour.

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

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

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

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

D.1.2 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for this facility and its control device. Section B - Preventive Maintenance Plan contains the Registrant's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements [326 IAC 2-5.1-2(g)] [326 IAC 2-5.5-4(b)]

D.1.3 Particulate Control

In order to comply with Condition D.1.1, the dust collector for particulate control shall be in operation and control emissions from the door machining line at all times when the door machining line is in operation.

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

**REGISTRATION
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3).

Company Name:	Atwood Mobile Products, LLC
Address:	1120 North Main Street
City:	Elkhart, IN 46514
Phone Number:	(574) 266-4766
Registration No.:	039-30918-00603

I hereby certify that company name is:

- still in operation.
- no longer in operation.
- in compliance with the requirements of Registration No. 039-30918-00603.
- not in compliance with the requirements of Registration No. 039-30918-00603.

I hereby certify that company name is:

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

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

Noncompliance:

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for Registration

Source Description and Location

Source Name:	Atwood Mobile Products, LLC
Source Location:	1120 North Main Street, Elkhart, Indiana 46514
County:	Elkhart
SIC Code:	3089 (Plastic Products, Not Elsewhere Classified), 3422 (Metal Doors, Sash, Frames, Molding, and Trim Manufacturing), and 3231 (Glass Products, Made of Purchased Glass)
Registration No.:	039-30918-00603
Permit Reviewer:	Brian Williams

On September 13, 2011, the Office of Air Quality (OAQ) received an application from Atwood Mobile Products, LLC related to the construction and operation of a new glass window and foam-core door with plastic, fiberglass, and metal outer skins production and assembly plant for the recreational vehicle and manufactured home industry.

Existing Approvals

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

- (a) SSOA No. 039-18966-00603, issued on May 26, 2004.
- (b) SSOA No. 039-25219-00603, issued on September 25, 2007.

On March 26, 2010, the source requested IDEM to revoke SSOA No. 039-25219-00603 because the source had removed all emission units from this location.

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.
¹ Attainment 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 PM _{2.5} .	

- (a) **Ozone Standards**
 Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. 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) **PM_{2.5}**
Elkhart County has been classified as attainment for PM_{2.5}. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions. These rules became effective on July 15, 2008. On May 4, 2011 the air pollution control board issued an emergency rule establishing the direct PM_{2.5} significant level at ten (10) tons per year. This rule became effective, June 28, 2011. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.
- (c) **Other Criteria Pollutants**
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

The fugitive emissions of criteria pollutants, hazardous air pollutants, and greenhouse gases are counted toward the determination of 326 IAC 2-5.1-2 (Registrations) applicability.

Background and Description of Emission Units and Pollution Control Equipment

The Office of Air Quality (OAQ) has reviewed an application, submitted by Atwood Mobile Products, LLC on September 13, 2011, relating to the construction and operation of a new window and door production and assembly plant for the recreational vehicle and manufactured home industry. Atwood Mobile Products, LLC has requested the ability to relocate their existing operations currently located at 2701 Ada Drive, Elkhart, Indiana (currently permitted under PBR No. 039-27258-00230) to a new facility located at 1120 North Main Street, Elkhart, Indiana. These existing operations will be permitted as new operations at this location. Atwood Mobile Products, LLC previously operated at this location under SSOA No. 039-25219-00603 until June 2009, when they discontinued their manufacturing and industrial operations at this location. As a result, the SSOA was revoked by IDEM on March 26, 2010. Since June 2009, Atwood Mobile Products, LLC has utilized this location as an office, warehouse, and distribution center.

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

- (a) One (1) door machining line, identified as EU01, approved for construction in 2011, consisting of sawing and routing of foam-core doors and plastic, fiberglass, aluminum, and stainless steel outer skins, with a maximum capacity of 21.25 doors per hour, with particulate controlled by a dust collector, and exhausting to the indoors.
- (b) Two (2) welding booths, identified as EU02, approved for construction in 2011, each consisting of two (2) metal inert gas (MIG) welding stations, with a maximum capacity of 0.06 pounds of electrode per hour each, and exhausting to the indoors.
- (c) One (1) hot melt line, identified as EU03, approved for construction in 2011, consisting of pinch roller and aerosol application of adhesives to plastic, styrofoam, fiberglass, aluminum, and stainless steel, with a maximum capacity of 21.75 doors glued per hour, and exhausting to the indoors.
- (d) One (1) towable entry door products line, identified as EU04, approved for construction in 2011, consisting of hand application of sealants, adhesives, solvents, and cleaners to plastic, styrofoam, fiberglass, aluminum, and stainless steel, with a maximum capacity of 17.5 doors per hour, and exhausting to the indoors.

- (e) One (1) window products line, identified as EU05, approved for construction in 2011, consisting of hand application of caulk to glass, with a maximum capacity of 37.5 windows per hour, and exhausting to the indoors.
- (f) One (1) RV aluminum door products line, identified as EU06, approved for construction in 2011, consisting of hand and aerosol application of sealants, adhesives, solvents, and cleaners to aluminum and glass, with a maximum capacity of 2.0 doors per hour and 1.0 windows per hour, and exhausting to the indoors.
- (g) One (1) storm door products line, identified as EU07, approved for construction in 2011, consisting of hand application of caulk to aluminum and glass, with a maximum capacity of 10.0 doors per hour, and exhausting to the indoors.
- (h) One (1) tent camper products line, identified as EU08, approved for construction in 2011, consisting of hand application of caulk to wood and aluminum, with a maximum capacity of 7.5 units per hour, and exhausting to the indoors.
- (i) One (1) house door products line, identified as EU09, approved for construction in 2011, consisting of hand and aerosol application of coatings, caulk, solvents, and cleaners to wood, aluminum, plastic, fiberglass, and stainless steel, with a maximum capacity of 10.0 doors per hour, and exhausting to the indoors.
- (j) One (1) service window products line, identified as EU10, approved for construction in 2011, consisting of hand application of adhesive to glass, with maximum capacity of 1.13 windows per hour, and exhausting to the indoors.
- (k) Hand and aerosol application of miscellaneous coatings, solvents, and cleaners within the assembly building as needed.
- (l) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour:
 - (1) Eighteen (18) natural gas-fired forced air heaters, approved for construction in 2011, each with a maximum heat input capacity of 0.20 MMBtu/hr, and exhausting to the indoors.
 - (2) One (1) natural gas-fired forced air heater, approved for construction in 2011, with a maximum heat input capacity of 0.08 MMBtu/hr, and exhausting to the indoors.
 - (3) Two (2) natural gas-fired radiant heaters, approved for construction in 2011, each with a maximum heat input capacity of 0.06 MMBtu/hr, and exhausting to the indoors.
 - (4) Six (6) natural gas-fired radiant heaters, approved for construction in 2011, each with a maximum heat input capacity of 0.03 MMBtu/hr, and exhausting to the indoors.
- (m) Paved roads and parking lots with public access.

Enforcement Issues

There are no pending enforcement actions related to this source.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination –Registration

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

Process/ Emission Unit	Potential To Emit of the Entire Source (tons/year)									
	PM	PM10*	PM2.5	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e	Total HAPs	Worst Single HAP
Door Machining Line	12.19	12.19	12.19	0	0	0	0	0	0	0
Welding	0.03	0.03	0.03	0	0	0	0	0	negl.	negl.
Hot Melt Line	0.01	0.01	0.01	0	0	0.04	0	0	2.29	2.28 MDI
TED Door Products Line	0	0	0	0	0	1.18	0	0	0.69	0.24 Methanol
Window Products Line	0	0	0	0	0	0.95	0	0	0.95	0.95 Toluene
RV Aluminum Door Products Line	0.002	0.002	0.002	0	0	1.10	0	0	0.46	0.24 Methanol
Storm Door Products Line	0	0	0	0	0	0.09	0	0	0.09	0.09 Toluene
Tent Camper Products Line	0	0	0	0	0	0.02	0	0	negl.	negl.
House Door Products Line	0.05	0.05	0.05	0	0	1.02	0	0	0.34	0.24 Methanol
Service Window Products Line	0	0	0	0	0	0.38	0	0	0.10	0.10 Toluene
Natural Gas Combustion	0.03	0.13	0.13	0.01	1.74	0.10	1.46	2,104.62	0.003	0.031 Hexane
Paved Roads	1.20	0.24	0.06	0	0	0	0	0	0	0
Total PTE of Entire Source	13.52	12.65	12.47	0.01	1.74	4.88	1.46	2,104.62	4.97	2.28 MDI
Registration Levels	25	25	25	25	25	25	100	100,000	25	10
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) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of PM, PM10, and pM2.5 are within the ranges listed in 326 IAC 2-5.1-2(a)(1). The PTE of all other regulated criteria pollutants are less than the ranges listed in 326 IAC 2-5.1-2(a)(1). Therefore, the source is subject to the provisions of 326 IAC 2-5.1-2 (Registrations). A Registration will be issued.
- (b) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of any single HAP is less than ten (10) tons per year and the PTE of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.

- (c) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) greenhouse gases (GHGs) is less than the Title V subject to regulation threshold of one hundred thousand (100,000) tons of CO₂ equivalent emissions (CO₂e) per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) The requirements of the New Source Performance Standard for Automobile and Light Duty Truck Surface Coating Operations, 40 CFR 60, Subpart MM (326 IAC 12), are not included in the permit, since this source does not coat automobiles or light duty trucks.
- (b) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (a) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Surface Coating of Miscellaneous Metal Parts and Products, 40 CFR 63, Subpart MMMM (326 IAC 20-80), are not included in the permit, since this source's potential to emit any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year.
- (b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Surface Coating of Plastic Parts and Products, 40 CFR 63, Subpart PPPP (326 IAC 20-81), are not included in the permit, since this source's potential to emit any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year.
- (c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs): Surface Coating of Wood Building Products, 40 CFR 63, Subpart QQQQ (326 IAC 20-79), are not included in the permit, since this source's potential to emit any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year.
- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for 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 because the source does not use paint stripping operations that involve the use of chemical strippers that contain methylene chloride (MeCl), does not perform autobody refinishing operations that encompass motor vehicle and mobile equipment spray-applied surface coating operations, and does not perform spray application of coatings containing compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd), to any part or product made of metal or plastic, or combinations of metal and plastic that are not motor vehicles or mobile equipment.
- (e) 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)

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

State Rule Applicability Determination

The following state rules are applicable to the source:

- (a) 326 IAC 2-5.1-2 (Registrations)
Registration applicability is discussed under the Permit Level Determination – Registration section above.
- (b) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The potential to emit of any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-4.1.
- (c) 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.
- (d) 326 IAC 5-1 (Opacity Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
 - (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (e) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
The source is subject to the requirements of 326 IAC 6-4, because the paved roads have the potential to emit fugitive particulate emissions. 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.
- (f) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
The source is not subject to the requirements of 326 IAC 6-5, because the source does not have potential fugitive particulate emissions greater than 25 tons per year. Therefore, 326 IAC 6-5 does not apply.

Door Machining Line

- (a) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the door machining line shall not exceed 1.25 pounds per hour when operating at a process weight rate of 0.17 tons 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 source is using alternative emission factors to determine the potential to emit particulate matter from the door machining line. Therefore, pursuant to the Non Rule Policy Document for Approval and Validation of Alternate Emission Factors (Air-014-NPD), the dust collector shall be in operation at all times when the door machining line is in operation, in order to comply with this limit.

Welding Booth

- (a) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(b)(9), the four (4) welding stations are exempt from the requirements of 326 IAC 6-3-2 because they each consume less than six hundred twenty-five (625) pounds of rod or wire per day.

Hot Melt Line, Door Product Lines, and Window Product Lines

- (a) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2(b)(6), (7), and (8) the hot melt line, towable entry door, window, RV aluminum door, storm door, tent camper, house door, and service window product lines are exempt from the requirements of 326 IAC 6-3-2 when applying coatings using roll, flow, or brush application methods. In addition, the hot melt line, RV aluminum door, and house door product lines each apply less than five (5) gallons of coating per day using spray application methods. Therefore, pursuant to 326 IAC 6-3-1(b)(15), the hot melt line, RV aluminum door, and house door product lines are not subject to the requirements of 326 IAC 6-3-2 when applying spray coatings.
- (b) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The hot melt line, towable entry door, window, RV aluminum door, storm door, tent camper, house door, and service window product lines are not subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions from each line is less than twenty-five (25) tons per year.
- (c) 326 IAC 8-2 (Surface Coating Emission Limitations)
The hot melt line, towable entry door, window, RV aluminum door, storm door, tent camper, house door, and service window product lines were constructed after July 1, 1990 and are located in Elkhart County. However, each line has potential and actual VOC emissions less than fifteen (15) pounds per day before add-on controls. Therefore, the requirements of 326 IAC 8-2 are not applicable to these facilities.

Natural Gas Combustion

- (a) 326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating)
The natural gas-fired heaters are not subject to 326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating), because, pursuant to 326 IAC 1-2-19, these emission units do not meet the definition of an indirect heating unit.
- (b) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
The natural gas-fired combustion units are exempt from the requirements of 326 IAC 6-3, because, pursuant to 326 IAC 1-2-59, liquid and gaseous fuels and combustion air are not considered as part of the process weight.
- (c) 326 IAC 7-1.1-1 (Sulfur Dioxide Emission Limitations)
This source is not subject to 326 IAC 7-1.1-1 (Sulfur Dioxide Emission Limitations) because the potential to emit sulfur dioxide from each natural gas-fired combustion unit is less than twenty-five

(25) tons per year and ten (10) pounds per hour.

- (d) 326 IAC 8-1-6 (New Facilities; General Reduction Requirements)
The natural gas-fired combustion units are not subject to 326 IAC 8-1-6 (New Facilities; General Reduction Requirements), because they each have the potential to emit VOC of less than twenty-five (25) tons per year.
- (e) 326 IAC 9-1-1 (Carbon Monoxide Emission Limits)
The natural gas-fired combustion units are not subject to 326 IAC 9-1-1 (Carbon Monoxide Emission Limits) because there is no applicable emission limits for the source under 326 IAC 9-1-2.
- (f) 326 IAC 10-1-1 (Nitrogen Oxides Control)
The natural gas-fired combustion units are not subject to 326 IAC 10-1-1 (Nitrogen Oxides Control) because the source is not located in Clark or Floyd counties.

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 September 13, 2011.

The construction and operation of this source shall be subject to the conditions of the attached proposed Registration No. 039-30918-00603. The staff recommends to the Commissioner that this Registration be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Brian Williams at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5375 or toll free at 1-800-451-6027 extension 4-5375.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.in.gov/idem

**Appendix A: Emissions Calculations
Particulate
Door Machining Line**

Company Name: Atwood Mobile Products, LLC
Address City IN Zip: 1120 North Main Street, Elkhart, Indiana 46514
Permit Number: 039-30918-00603
Reviewer: Brian Williams

Process	Amount Collected (lb/hr)*	Collection and Control Efficiency (%)	Potential to Emit Before Control (lb/hr)	Potential to Emit Before Control (ton/yr)	Potential to Emit After Control (lb/hr)	Potential to Emit After Control (ton/yr)
Door Machining Line	2.76	99%	2.78	12.19	0.03	0.12

Methodology

*Source collected 4.38 drums of dust per 40 hour work week. Each drum holds 55 gallons and the density of the dust is 7.32 ounces per gallon.

*Amount Collected (lb/hr) = 4.38 (drums/wk) x 7.32 (oz/gal) x 55 (gal/drum) x 1/16 (lb/oz) x 1/40 (wk/hrs)

Potential to Emit Before Control (lb/hr) = Amount Collected (lb/hr)/Control Efficiency (%)

Potential to Emit Before Control (ton/yr) = Potential to Emit Before Control (lb/hr) x 1/2,000 (ton/lb) x 8,760 (hrs/yr)

Potential to Emit After Control (lb/hr) = Potential to Emit Before Control (lb/hr) x (1 - Control Efficiency %)

Potential to Emit After Control (ton/yr) = Potential to Emit After Control (lb/hr) x 1/2,000 (ton/lb) x 8,760 (hrs/yr)

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

**Company Name: Atwood Mobile Products, LLC
Address City IN Zip: 1120 North Main Street, Elkhart, Indiana 46514
Permit Number: 039-30918-00603
Reviewer: Brian Williams**

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)	EMISSION FACTORS (lb pollutant/lb electrode)				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
			PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr	
WELDING											
Metal Inert Gas (MIG)(ER5154 Aluminum)	4	0.06	0.0241	0.00034	0	0.0001	6.05E-03	8.53E-05	0	2.51E-05	1.10E-04
EMISSION TOTALS											
Potential Emissions lbs/hr							6.05E-03	8.53E-05	0	2.51E-05	1.10E-04
Potential Emissions lbs/day							1.45E-01	2.05E-03	0	6.02E-04	2.65E-03
Potential Emissions tons/year							2.65E-02	3.74E-04	0	1.10E-04	4.84E-04

Methodology:

Emission factors are from AP-42, Chapter 12.19 - Electric Arc Welding (01/1995) for Gas Metal Arc Welding - ER5154 Electrode Type (Aluminum)
Welding emissions, lb/hr: (# of stations)(max. lbs of electrode used/hr/station)(emission factor, lb. pollutant/lb. of electrode used)
Emissions, lbs/day = emissions, lbs/hr x 24 hrs/day
Emissions, tons/yr = emissions, lb/hr x 8,760 hrs/year x 1 ton/2,000 lbs.

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

Company Name: Atwood Mobile Products, LLC
Address City IN Zip: 1120 North Main Street, Elkhart, Indiana 46514
Permit Number: 039-30918-00603
Reviewer: Brian Williams

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non Volatiles (solids)	Gal of Mat. (gal/hr)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	Transfer Efficiency
Hot Melt Line														
Polyad P-901C	10.01	0.00%	0.0%	0.0%	0.0%	0.00%	1.733	0.00	0.00	0.000	0.00	0.00	0.00	100%
3M Super 77	6.05	64.41%	0.0%	64.4%	0.0%	0.00%	0.001	3.90	3.90	0.005	0.11	0.02	0.005	50%
Russell Products	5.75	67.70%	0%	67.7%	0.0%	0.00%	0.001	3.89	3.89	0.005	0.12	0.02	0.005	50%
Total:										0.01	0.23	0.04	0.01	
TED Door Line														
3M 560 Sealant	9.76	4.80%	0.0%	4.8%	0.0%	0.00%	0.0809	0.47	0.47	0.04	0.91	0.17	0.00	100%
3M Scotch Grip 4799	6.84	71.65%	0.0%	71.6%	0.0%	0.00%	0.0087	4.90	4.90	0.04	1.02	0.19	0.00	100%
SM5504	8.26	42.39%	0.0%	42.4%	0.0%	0.00%	0.0062	3.50	3.50	0.02	0.52	0.09	0.00	100%
Manus Bond 75-AM	12.51	0.80%	0.0%	0.8%	0.0%	0.00%	0.0796	0.10	0.10	0.01	0.19	0.03	0.00	100%
Denatured Alcohol	6.61	100.00%	0.0%	100.0%	0.0%	0.00%	0.0163	6.61	6.61	0.11	2.59	0.47	0.00	100%
S-722 Foaming Degreaser	8.48	5.70%	0.0%	5.7%	0.0%	0.00%	0.0013	0.48	0.48	0.00	0.02	0.00	0.00	100%
Terp-A-Klean	7.01	100.00%	0.0%	100.0%	0.0%	0.00%	0.0072	7.01	7.01	0.05	1.21	0.22	0.00	100%
Total:										0.27	6.45	1.18	0.00	
Window Products Line														
SM5504	8.26	42.39%	0.0%	42.4%	0.0%	0.00%	0.0062	3.50	3.50	0.02	0.52	0.09	0.00	100%
SM5555	8.76	32.00%	0.0%	32.0%	0.0%	0.00%	0.0695	2.80	2.80	0.19	4.67	0.85	0.00	100%
Total:										0.22	5.19	0.95	0.00	
RV Aluminum Door Line														
SM5504	8.26	42.39%	0.0%	42.4%	0.0%	0.00%	0.0021	3.50	3.50	0.01	0.17	0.03	0.00	100%
3M Scotch Grip 4799	6.84	71.65%	0.0%	71.6%	0.0%	0.00%	0.0010	4.90	4.90	0.00	0.12	0.02	0.00	100%
Sika Primer - 206	8.76	57.51%	0.0%	57.5%	0.0%	0.00%	0.0003	5.04	5.04	0.00	0.03	0.01	0.00	100%
Sika Activator	5.93	94.94%	0.0%	94.9%	0.0%	0.00%	0.0038	5.63	5.63	0.02	0.51	0.09	0.00	100%
Sika Sikaflex 255	9.32	5.30%	0.0%	5.3%	0.0%	0.00%	0.0207	0.53	0.53	0.01	0.26	0.05	0.00	100%
Adco 660 Adhesive	10.01	10.00%	0.0%	10.0%	0.0%	0.00%	0.0245	1.00	1.00	0.02	0.59	0.11	0.00	100%
Adco R-900 Adhesive	10.17	39.21%	0.0%	39.2%	0.0%	0.00%	0.0050	3.99	3.99	0.02	0.48	0.09	0.00	100%
CYCLO C33	5.59	60.00%	0.0%	60.0%	0.0%	0.00%	0.0004	3.35	3.35	0.00	0.03	0.01	0.002	50%
Denatured Alcohol	6.61	100.00%	0.0%	100.0%	0.0%	0.00%	0.0163	6.61	6.61	0.11	2.59	0.47	0.00	100%
S-722 Foaming Degreaser	8.48	5.70%	0.0%	5.7%	0.0%	0.00%	0.0013	0.48	0.48	0.00	0.02	0.00	0.00	100%
Terp-A-Klean	7.01	100.00%	0.0%	100.0%	0.0%	0.00%	0.0072	7.01	7.01	0.05	1.21	0.22	0.00	100%
Total:										0.25	6.01	1.10	0.002	
Storm Door Line														
SM5504	8.26	42.39%	0.0%	42.4%	0.0%	0.00%	0.0062	3.50	3.50	0.02	0.52	0.09	0.00	100%
Total:										0.02	0.52	0.09	0.00	
Tent Camper Line														
Sherwin-Williams Pro-Select	8.60	5.00%	0.0%	5.0%	0.0%	0.00%	0.0099	0.43	0.43	0.004	0.10	0.02	0.00	100%
Trempro 655	12.76	17.00%	0.0%	17.0%	0.0%	0.00%	0.0005	2.17	2.17	0.001	0.02	0.00	0.00	100%
Total:										0.01	0.13	0.02	0.00	
House Door Line														
MAB Primer	10.50	14.19%	0.0%	14.2%	0.0%	0.00%	0.0096	1.49	1.49	0.01	0.34	0.06	0.00	100%
MAB Sandstone	10.00	11.40%	0.0%	11.4%	0.0%	0.00%	0.0053	1.14	1.14	0.01	0.15	0.03	0.00	100%
MAB White	10.48	10.69%	0.0%	10.7%	0.0%	0.00%	0.0123	1.12	1.12	0.01	0.33	0.06	0.00	100%
Benjamin Moore Super Spec	10.10	12.28%	0.0%	12.3%	0.0%	0.00%	0.0010	1.24	1.24	0.00	0.03	0.01	0.00	100%
Robert Weed Jamb Paint	13.06	3.29%	0.0%	3.3%	0.0%	0.00%	0.0011	0.43	0.43	0.00	0.01	0.00	0.00	100%
Sherwin-Williams UP07226	6.19	87.40%	0.0%	87.4%	0.0%	0.00%	0.0007	5.41	5.41	0.00	0.09	0.02	0.001	50%
Rollie Williams 5-FSC	6.66	46.96%	0.0%	47.0%	0.0%	0.00%	0.0067	3.13	3.13	0.02	0.50	0.09	0.052	50%
Trempro 644	8.76	5.00%	0.0%	5.0%	0.0%	0.00%	0.0156	0.44	0.44	0.01	0.16	0.03	0.00	100%
Trempro 645	8.54	2.00%	0.0%	2.0%	0.0%	0.00%	0.0005	0.17	0.17	0.00	0.00	0.00	0.00	100%
Trempro 655	12.76	17.00%	15.0%	2.0%	0.0%	0.00%	0.0215	0.26	0.26	0.01	0.13	0.02	0.00	100%
Sherwin-Williams Powerhouse	12.74	2.12%	0.0%	2.1%	0.0%	0.00%	0.0070	0.27	0.27	0.00	0.05	0.01	0.00	100%
Denatured Alcohol	6.61	100.00%	0.0%	100.0%	0.0%	0.00%	0.0163	6.61	6.61	0.11	2.59	0.47	0.00	100%
S-722 Foaming Degreaser	8.48	5.70%	0.0%	5.7%	0.0%	0.00%	0.0013	0.48	0.48	0.00	0.02	0.00	0.00	100%
Terp-A-Klean	7.01	100.00%	0.0%	100.0%	0.0%	0.00%	0.0072	7.01	7.01	0.05	1.21	0.22	0.00	100%
Total:										0.23	5.61	1.02	0.05	
Service Window Line														
Dolphin 7045 Adhesive	9.34	34.39%	0.0%	34.4%	0.0%	55.40%	0.0064	3.21	3.21	0.02	0.49	0.09	0.00	100%
Sealed Air Instapak	8.01	100.00%	0.0%	100.0%	0.0%	0.00%	0.0083	8.01	8.01	0.07	1.60	0.29	0.00	100%
Total:										0.09	2.09	0.38	0.00	

METHODOLOGY

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

Appendix A: Emissions Calculations

HAPs
From Surface Coating Operations

Company Name: Atwood Mobile Products, LLC
Address City IN Zip: 1120 North Main Street, Elkhart, Indiana 46514
Permit Number: 039-30918-00603
Reviewer: Brian Williams

Material	Density (Lb/Gal)	Gal of Mat. (gal/hr)	Weight % Hexane	Weight % Toluene	Weight % Methanol	Weight % MDI	Weight % Ethylene Glycol	Weight % Xylene	Weight % Ethyl-benzene	Weight % Dibutyl-phthalate	Weight % Form-aldehyde	Weight % MIBK	Potential Hexane tons per year	Potential Toluene tons per year	Potential Methanol tons per year	Potential MDI tons per year	Potential Ethylene Glycol tons per year	Potential Xylene tons per year	Potential Ethyl benzene tons per year	Potential Dibutyl-phthalate tons per year	Potential Form-aldehyde tons per year	Potential MIBK tons per year	Potential Total HAPs tons per year	
Hot Melt Line																								
Polyad P-901C	10.01	1.733	0.0%	0.0%	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	2.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.28
3M Super 77	6.05	0.001	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.63E-04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.63E-04
Russell Products	5.75	0.001	40.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
TED Door Line																								
3M 560 Sealant	9.76	0.081	0.0%	0.0%	0.0%	0.2%	0.0%	5.0%	2.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.01	0.00	0.17	0.07	0.00	0.00	0.00	0.00	0.25
3M Scotch Grip 4799	6.84	0.009	30.0%	7.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.08	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
SM5504	8.26	0.006	0.0%	42.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
Manus Bond 75-AM	12.51	0.080	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Denatured Alcohol	6.61	0.016	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.26
S-722 Foaming Degreaser	8.48	0.001	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terp-A-Klean	7.01	0.007	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Window Products Line																								
SM5504	8.26	0.006	0.0%	42.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
SM5555	8.76	0.069	0.0%	32.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85
RV Aluminum Door Line																								
SM5504	8.26	0.002	0.0%	42.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
3M Scotch Grip 4799	6.84	0.001	30.0%	7.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Sika Primer - 206	8.76	0.0003											0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sika Activator	5.93	0.004	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sika Sikaflex 255	9.92	0.021	0.0%	0.0%	0.0%	1.0%	0.0%	5.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.05
Adco 660 Adhesive	10.01	0.025	0.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
Adco R-900 Adhesive	10.17	0.005	0.0%	1.2%	0.0%	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CYCLO C33	5.59	0.000	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Denatured Alcohol	6.61	0.016	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.26
S-722 Foaming Degreaser	8.48	0.001	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terp-A-Klean	7.01	0.007	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storm Door Line																								
SM5504	8.26	0.006	0.0%	42.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
Tent Camper Line																								
Sherwin-Williams Pro-Select	8.60	0.010	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trempro 655	12.76	0.000	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.58E-05	0.00	0.00	2.58E-05
House Door Line																								
MAB Primer	10.50	0.010	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAB Sandstone	10.00	0.005	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAB White	10.48	0.012	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Benjamin Moore Super Spec	10.10	0.001	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Robert Weed Jamb Paint	13.06	0.001	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sherwin-Williams UP07226	6.19	0.001	0.0%	26.0%	0.0%	0.0%	0.0%	29.0%	5.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Rolie Williams 5-FSC	6.66	0.007	0.0%	5.1%	0.0%	0.0%	0.0%	15.8%	2.8%	0.0%	0.0%	0.0%	0.00	0.01	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.05
Trempro 644	8.76	0.016	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trempro 645	8.54	0.001	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trempro 655	12.76	0.021	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sherwin-Williams Powerhouse	12.74	0.007	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Denatured Alcohol	6.61	0.016	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.26
S-722 Foaming Degreaser	8.48	0.001	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terp-A-Klean	7.01	0.007	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service Window Line																								
Dolphin 7045 Adhesive	9.34	0.006	0.0%	40.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
Sealed Air Instapak	8.01	0.008	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

State Potential Emissions 0.10 1.42 0.71 2.29 0.02 0.26 0.08 0.004 0.001 0.06 4.93

METHODOLOGY

Potential HAPs Tons per Year = Density of coating (lb/gal) * Gal of Material (gal/hr) * HAP Content (%) * (8760 hr/yr) * (1 ton/2000 lbs)

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

Company Name: Atwood Mobile Products, LLC
Address City IN Zip: 1120 North Main Street, Elkhart, Indiana 46514
Permit Number: 039-30918-00603
Reviewer: Brian Williams

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
4.0	34.9

	Pollutant						
Emission Factor in lb/MMCF	PM* 1.9	PM10* 7.6	direct PM2.5* 7.6	SO2 0.6	NOx 100 **see below	VOC 5.5	CO 84
Potential Emission in tons/yr	0.03	0.13	0.13	0.01	1.74	0.10	1.46

*PM emission factor is filterable PM only. PM10 and PM2.5 emission factors are filterable and condensable PM10 and PM2.5 combined, respectively.
 **Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

	HAPs - Organics				
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	3.661E-05	2.092E-05	1.307E-03	3.138E-02	5.927E-05

	HAPs - Metals				
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	8.716E-06	1.918E-05	2.441E-05	6.624E-06	3.661E-05

	Greenhouse Gas		
Emission Factor in lb/MMcf	CO2 120,000	CH4 2.3	N2O 2.2
Potential Emission in tons/yr	2,092	0.0	0.0
Summed Potential Emissions in tons/yr	2,092		
CO2e Total in tons/yr	2,105		

Methodology

All emission factors are based on normal firing.
 MMBtu = 1,000,000 Btu
 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
 The five highest organic and metal HAPs emission factors are provided above. Additional HAPs emission factors are available in AP-42, Chapter 1.4.
 The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
 Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
 CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).

**Appendix A: Emissions Calculations
Fugitive Dust Emissions - Paved Roads**

**Company Name: Atwood Mobile Products, LLC
Address City IN Zip: 1120 North Main Street, Elkhart, Indiana 46514
Permit Number: 039-30918-00603
Reviewer: Brian Williams**

Paved Roads at Industrial Site

The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (1/2011).

Vehicle Information (provided by source)

Type	Maximum number of vehicles per day	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Shipping - Freight Trucks Entering	4.0	1.0	4.0	15.0	60.0	273	0.052	0.2	75.5
Shipping - Freight Trucks Leaving	4.0	1.0	4.0	22.0	88.0	273	0.052	0.2	75.5
Shipping - Common Carrier Trucks Entering	5.0	1.0	5.0	15.0	75.0	273	0.052	0.3	94.4
Shipping - Common Carrier Trucks Leaving	5.0	1.0	5.0	15.5	77.5	273	0.052	0.3	94.4
Shipping - UPS Truck Entering	1.0	1.0	1.0	5.0	5.0	273	0.052	0.1	18.9
Shipping - UPS Truck Leaving	1.0	1.0	1.0	5.1	5.1	273	0.052	0.1	18.9
Receiving - Flat Trailer Truck Entering	3.0	1.0	3.0	40.0	120.0	273	0.052	0.2	56.6
Receiving - Flat Trailer Truck Leaving	3.0	1.0	3.0	30.0	90.0	273	0.052	0.2	56.6
Receiving - Common Carrier Truck Entering	10.0	1.0	10.0	40.0	400.0	273	0.052	0.5	188.7
Receiving - Common Carrier Truck Leaving	10.0	1.0	10.0	39.5	395.0	273	0.052	0.5	188.7
Receiving - UPS / Fedex Entering	2.0	1.0	2.0	6.0	12.0	273	0.052	0.1	37.7
Receiving - UPS / Fedex Leaving	2.0	1.0	2.0	6.0	11.9	273	0.052	0.1	37.7
Receiving - Local Supplier Small Truck Entering	5.0	1.0	5.0	3.0	15.0	273	0.052	0.3	94.4
Receiving - Local Supplier Small Truck Leaving	5.0	1.0	5.0	29.0	145.0	273	0.052	0.3	94.4
Totals			60.0		1499.5			3.1	1132.3

Average Vehicle Weight Per Trip = tons/trip
Average Miles Per Trip = miles/trip

Unmitigated Emission Factor, Ef = $[k * (sL)^{0.91} * (W)^{1.02}]$ (Equation 1 from AP-42 13.2.1)

where k =	PM	PM10	PM2.5	lb/VMT = particle size multiplier (AP-42 Table 13.2.1-1)
W =	0.011	0.0022	0.00054	tons = average vehicle weight (provided by source)
sL =	25.0	25.0	25.0	g/m ³ = silt loading value for paved roads at iron and steel production facilities - Table 13.2.1-3)
	9.7	9.7	9.7	

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, Eext = $E * [1 - (p/4N)]$ (Equation 2 from AP-42 13.2.1)

Mitigated Emission Factor, Eext = $Ef * [1 - (p/4N)]$
where p = days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)
N = days per year

Unmitigated Emission Factor, Ef =	PM	PM10	PM2.5	lb/mile
Mitigated Emission Factor, Eext =	2.318	0.464	0.1138	lb/mile
	2.119	0.424	0.1040	lb/mile

Process	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)
Shipping - Freight Trucks Entering	0.09	0.02	0.00	0.08	0.02	0.00
Shipping - Freight Trucks Leaving	0.09	0.02	0.00	0.08	0.02	0.00
Shipping - Common Carrier Trucks Entering	0.11	0.02	0.01	0.10	0.02	0.00
Shipping - Common Carrier Trucks Leaving	0.11	0.02	0.01	0.10	0.02	0.00
Shipping - UPS Truck Entering	0.02	0.00	0.00	0.02	0.00	0.00
Shipping - UPS Truck Leaving	0.02	0.00	0.00	0.02	0.00	0.00
Receiving - Flat Trailer Truck Entering	0.07	0.01	0.00	0.06	0.01	0.00
Receiving - Flat Trailer Truck Leaving	0.07	0.01	0.00	0.06	0.01	0.00
Receiving - Common Carrier Truck Entering	0.22	0.04	0.01	0.20	0.04	0.01
Receiving - Common Carrier Truck Leaving	0.22	0.04	0.01	0.20	0.04	0.01
Receiving - UPS / Fedex Entering	0.04	0.01	0.00	0.04	0.01	0.00
Receiving - UPS / Fedex Leaving	0.04	0.01	0.00	0.04	0.01	0.00
Receiving - Local Supplier Small Truck Entering	0.11	0.02	0.01	0.10	0.02	0.00
Receiving - Local Supplier Small Truck Leaving	0.11	0.02	0.01	0.10	0.02	0.00
Totals	1.31	0.26	0.06	1.20	0.24	0.06

Methodology

Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
Maximum one-way miles (miles/day) = [Maximum trips per year (trip/day)] * [Maximum one-way distance (mi/trip)]
Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]
Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]
Unmitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Unmitigated Emission Factor (lb/mile)] * (ton/2000 lbs)
Mitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Mitigated Emission Factor (lb/mile)] * (ton/2000 lbs)

Abbreviations

PM = Particulate Matter
PM10 = Particulate Matter (<10 um)
PM2.5 = Particle Matter (<2.5 um)
PTE = Potential to Emit

**Appendix A: Emissions Calculations
Summary of Emissions**

**Company Name: Atwood Mobile Products, LLC
Address City IN Zip: 1120 North Main Street, Elkhart, Indiana 46514
Permit Number: 039-30918-00603
Reviewer: Brian Williams**

Unlimited Potential to Emit (tons/year)										
Process	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHGs as CO ₂ e	Total HAPs	Single HAP
Door Machining Line	12.19	12.19	12.19	0	0	0	0	0	0	0
Welding	0.03	0.03	0.03	0	0	0	0	0	negl.	negl.
Hot Melt Line	0.01	0.01	0.01	0	0	0.04	0	0	2.29	2.28 MDI
TED Door Products Line	0	0	0	0	0	1.18	0	0	0.69	0.24 Methanol
Window Products Line	0	0	0	0	0	0.95	0	0	0.95	0.95 Toluene
RV Aluminum Door Products Line	0.002	0.002	0.002	0	0	1.10	0	0	0.46	0.24 Methanol
Storm Door Products Line	0	0	0	0	0	0.09	0	0	0.09	0.09 Toluene
Tent Camper Products Line	0	0	0	0	0	0.02	0	0	negl.	negl.
House Door Products Line	0.05	0.05	0.05	0	0	1.02	0	0	0.34	0.24 Methanol
Service Window Products Line	0	0	0	0	0	0.38	0	0	0.10	0.10 Toluene
Natural Gas Combustion	0.03	0.13	0.13	0.01	1.74	0.10	1.46	2,104.62	0.033	0.031 Hexane
Paved Roads	1.20	0.24	0.06	0	0	0	0	0	0	0
Total	13.52	12.65	12.47	0.01	1.74	4.88	1.46	2,104.62	4.97	2.28 MDI



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: David Barnes
Atwood Mobile Products, LLC
1120 N Main Street
Elkhart, IN 46514

DATE: December 15, 2011

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

SUBJECT: Final Decision
Registration
039/30918-00603

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

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

A copy of the final decision and supporting materials has also been sent via standard mail to:
David McClure, VP, Consultant
Elysia Treanor, Consultant
OAQ Permits Branch Interested Parties List

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

Final Applicant Cover letter.dot 11/30/07

Mail Code 61-53

IDEM Staff	PWAY 12/15/2011 Atwood Mobile Products, LLC 039-30918-00603 (final)		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		David Barnes Atwood Mobile Products, LLC 1120 N Main St Elkhart IN 46514 (Source CAATS)										
2		David McClure VP - Ops Atwood Mobile Products, LLC 1120 N Main St Elkhart IN 46514 (RO CAATS)										
3		Elkhart City Council and Mayors Office 229 South Second Street Elkhart IN 46516 (Local Official)										
4		Elkhart County Health Department 608 Oakland Avenue Elkhart IN 46516 (Health Department)										
5		Laurence A. McHugh Barnes & Thornburg 100 North Michigan South Bend IN 46601-1632 (Affected Party)										
6		Elkhart County Board of Commissioners 117 North Second St. Goshen IN 46526 (Local Official)										
7		Mark Zeltwanger 26545 CR 52 Nappanee IN 46550 (Affected Party)										
8		Elysia Treanor SLR International Corp 1800 Blankenship Road, Suite 440 West Linn OR 97068 (Consultant)										
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10												
11												
12												
13												
14												
15												

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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Mail Code 61-53

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1		Rachel Eichhorn 1219 North Main Street Elkhart IN 46514 (Affected Party)										
2		Linda Richardson 123 Floyd Street Elkhart IN 46514 (Affected Party)										
3		Lucas A. Mills 117 Floyd Street Elkhart IN 46514 (Affected Party)										
4		Carl H Gaedke & Madeline J. Bunting 1232 North Main Street Elkhart IN 46514 (Affected Party)										
5		Hector M. Jacobo 1224 N Main Street Elkhart IN 46514 (Affected Party)										
6		Brett Campbell 211 Floyd Street Elkhart IN 46514 (Affected Party)										
7		Jennefier L. & Kevin L. Huff 207 Floyd Street Elkhart IN 46514 (Affected Party)										
8		Amy M. Huff 201 Floyd Street Elkhart IN 46514 (Affected Party)										
9		Tina R. Bouma 133 Floyd Street Elkhart IN 46514 (Affected Party)										
10		John T. Chapman 127 Floyd Street Elkhart IN 46514 (Affected Party)										
11		Dall R. Kyle 303 Floyd Street Elkhart IN 46514 (Affected Party)										
12		Dennis L. & Via M. Price 229 Floyd Street Elkhart IN 46514 (Affected Party)										
13		Sue E. Noyes 223 Floyd Street Elkhart IN 46514 (Affected Party)										
14		Francine Quick 217 Floyd Street Elkhart IN 46514 (Affected Party)										
15		Richard Gaddis 25688 North Shore Drive Elkhart IN 46514 (Affected Party)										

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1		Landmarque Properties 228 West High Street Elkhart IN 46514 (Affected Party)										
2		Occupant 1214 Grove Street Elkhart IN 46514 (Affected Party)										
3		Walter E. & Joshpehine Lienhart 25902 Coolidge Avenue Elkhart IN 46517 (Affected Party)										
4		Charles R. & Daniel Peterson 631 Inlet Drive Marco Island Fl 34145 (Affected Party)										
5		TRWD Inc POB 1747 Elkhart IN 46514 (Affected Party)										
6		Big C Lumber Co Inc. 1017 Cassopolis Street Elkhart IN 46514 (Affected Party)										
7		Occupant 1041 Cassopolis Street Elkhart IN 46514 (Affected Party)										
8		Jeffrey T. & Brenda J. Jernstrom 320 E Simonton Street Elkhart IN 46514 (Affected Party)										
9		Occupant 314 E Simonton Street Elkhart IN 46514 (Affected Party)										
10		Merry W. Hibshman 306 Simonton Street Elkhart IN 46514 (Affected Party)										
11		Occupant 1119 North Main Street Elkhart IN 46514 (Affected Party)										
12		Nathaniel B. Roll 329 East Simonton Street Elkhart IN 46514 (Affected Party)										
13		Occupant 323 E Simonton Street Elkhart IN 46514 (Affected Party)										
14		Mary Jane Statler 26809 Fern Drive Elkhart IN 46514 (Affected Party)										
15		Robert D. Baldwin 403 Prospect Street Elkhart IN 46514 (Affected Party)										

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1		Occupant 1103 Cassopolis Street Elkhart IN 46514 (Affected Party)										
2		Timothy M. & Susan G. Pawlak 1109 Cassopolis Street Elkhart IN 46514 (Affected Party)										
3		Diana C. Bourn 1117 Cassopolis Street Elkhart IN 46514 (Affected Party)										
4		Paul & Kristie Hess 331 East Simonton Street Elkhart IN 46514 (Affected Party)										
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