



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: June 29, 2006
RE: Markline Industries / 039-23111-00277
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.

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Mr. Brad Arnsdorf
Mark Line Industries, Inc.
P.O. Box 277
Bristol, Indiana 46507

June 29, 2006

Re: 039-23111-00277
Second Notice-Only-Change to
Registration No.: 039-9211-00277

Dear Mr. Arnsdorf:

Mark Line Industries, Inc. was issued a Registration on December 8, 1999 for a surface coating operation for manufactured homes. A letter notifying IDEM, OAQ of the addition of six (6) natural gas-fired heating units and two (2) exhaust fans was received on May 19, 2006. Pursuant to the provisions of 326 IAC 2-5, the Registration is hereby revised as follows:

- 1. The Permittee plans to add six (6) natural gas-fired heating units (identified as H-29 through H-34) with a combined maximum heat input capacity of 0.83 MMBtu per hour and two (2) exhaust fans rated at 5,000 cubic foot per minute. The addition of these six (6) heating units in combination with the existing heating units at the source results in a total maximum heat input capacity of 3.62 MMBtu per hour. The potential to emit of each criteria pollutant remains within registration levels as described under 326 IAC 2-5.5-1(b)(1) and shown in the table below:

Table with 8 columns: Potential to Emit (tons/year) including PM, PM10, SO2, NOx, VOC, CO, HAPS. Rows include Existing Units, New Units (6 Natural Gas Fired Heaters), and Total.

- 2. Since 326 IAC 6-3 was updated on August 1, 2002, IDEM, OAQ has updated the correct title for 326 IAC 6-3 from "Process Operations" to "Particulate Emission Limitations for Manufacturing Processes".

All other conditions of the Registration shall remain unchanged and in effect. Please find attached a copy of the revised Registration.

Pursuant to Contract No. A305-5-65, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Sanober Durrani, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7810 to speak directly to Ms. Durrani. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, Indianapolis, Indiana, 46204-2251, or call (800) 451-6027, and ask for Duane Van Laningham, or extension 3-6878, or dial (317) 233-0178.

Sincerely,

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

Attachments

ERG/SD

cc: File - Elkhart County
Elkhart County Health Department
Air Compliance – Paul Karkiewicz
Northern Regional Office
Permit Tracking
Compliance Data Section



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Mr. Brad Arnsdorf
Mark Line Industries, Inc.
P.O. Box 277
Bristol, Indiana 46507

June 29, 2006

Re: Second Notice Only Change No: 039-23111-00277
Registration No.: 039-9211-00277

Dear Mr. Arnsdorf:

The application from Mark Line Industries, Inc., received on May 19, 2006, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.5, it has been determined that the following surface coating operation for manufactured homes located at 51687 County Road 133, Bristol, Indiana 46507, is classified as registered:

- (a) One (1) paint booth (identified as S-1), equipped with a high volume low pressure spray with a maximum throughput rate of three (3) units per hour and a maximum usage rate of 8.9 gallons of material per hour, controlled by dry filters and exhausting at stack D-1. Note: Adhesives, caulks, sealants, and cements are also applied to the mobile office units.
- (b) Twenty (20) high intensity natural gas-fired infra-red heaters (identified as H-1 through H-20), each with a maximum heat input capacity of 0.1 million Btu per hour.
- (c) Two (2) natural gas-fired tube heaters (identified as H-21 and H-22), each with a maximum heat input capacity of 0.1 million Btu per hour.
- (d) One (1) natural gas-fired York office heating unit (identified as H-23), with a maximum heat input capacity of 0.14 million Btu per hour.
- (e) One (1) natural gas-fired York office heating unit (identified as H-24), with a maximum heat input capacity of 0.08 million Btu per hour.
- (f) One (1) natural gas-fired York office heating unit (identified as H-25), with a maximum heat input capacity of 0.12 million Btu per hour.
- (g) One (1) natural gas-fired heating unit (identified as H-26), with a maximum heat input capacity of 0.075 million Btu per hour.
- (h) One (1) natural gas-fired York office heating unit (identified as H-27), with a maximum heat input capacity of 0.10 million Btu per hour.
- (i) One (1) natural gas-fired air make-up unit (identified as H-28), with a maximum heat input capacity of 0.076 million Btu per hour.
- (j) Three (3) natural gas-fired heating units (identified as H-29 through H-31) each with a maximum heat input capacity of 0.15 Btu per hour.

- (k) Three (3) natural gas-fired heating units (identified as H-32 through H-34) with a combined maximum heat input capacity of 0.125 Btu per hour.
- (l) Two (2) exhaust fans rated for 5,000 feet per minute to be mounted on the roof of the building.

The following conditions shall be applicable:

- (a) 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:
 - (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 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.
- (b) Pursuant to 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes), the particulate from the paint booth (identified as S-1) shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.
 - (1) If overspray is visibly detected at the exhaust or accumulates on the ground, the Permittee shall inspect the control device and do either of the following no later than four (4) hours after such observation:
 - (A) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
 - (B) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
 - (2) If overspray is visibly detected, the Permittee shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.
- (c) Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of the coating delivered to the applicator at the paint booth (identified as S-1) shall be limited to 3.5 pounds of VOCs per gallon of coating less water, for 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.

This registration is the fourth air approval 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 2-5.5-4(a)(3). The annual notice shall be submitted to:

**Compliance Data Section
Office of Air Quality
100 North Senate Avenue
Indianapolis, IN 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.

Pursuant to Contract No. A305-5-65, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Sanober Durrani, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7810 to speak directly to Ms. Durrani. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, Indianapolis, Indiana, 46204-2251, or call (800) 451-6027, ask for Duane Van Laningham, or extension 3-0178, or dial (317) 233-0178.

Sincerely,

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

ERG/SD

cc: File - Elkhart County
Elkhart County Health Department
Air Compliance – Paul Karkiewicz
Northern Regional Office
Permit Tracking
Compliance Data Section

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:	Mark Line Industries, Inc.
Address:	51687 County Road 133
City:	Bristol, Indiana 46507
Authorized individual:	Steve Cart (General Manager)
Phone #:	(574) 825-9139
Registration #:	039-23111-00277

I hereby certify that Mark Line Industries, Inc. is still in operation and is in compliance with the requirements of Registration 039-23111-00277.

Name (typed):
Title:
Signature:
Date:

**Appendix A: Emission Calculations
Natural Gas-Fired Combustion Units**

Company Name: Mark Line Industries, Inc.
Address: 51687 County Road 133, Bristol, Indiana 46507
Notice Only Change: 039-23111-00277
Reviewer: ERG/SD
Date: June 15, 2006

Heat Input Capacity
(MMBtu/hour)

Potential Throughput
(MMSCF/year)

0.83 (6 new units only)

7.09

	Pollutant					
	* PM	* PM10	SO ₂	** NO _x	VOC	CO
Emission Factor (lb/MMSCF)	1.9	7.6	0.6	100	5.5	84
Potential To Emit (tons/year)	0.01	0.03	2.13E-03	0.35	0.02	0.30

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

**Emission factor for NO_x (Uncontrolled) = 100 lb/MMSCF.

All emission factors are based on normal firing.

Emission factors are from AP-42, Chapter 1.4, Tables 1.4-1, and 1.4-2, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (July, 1998).

METHODOLOGY

Potential Throughput (MMSCF/year) = Heat Input Capacity (MMBtu/hour) * 8760 hours/year * 1 MMSCF/1020 MMBtu

Potential To Emit (tons/year) = Potential Throughput (MMSCF/year) * Emission Factor (lb/MMSCF) * 1 ton/2000 lbs

See next page for HAPs emission calculations.

**Appendix A: Emission Calculations
Natural Gas-Fired Combustion Units**

Company Name: Mark Line Industries, Inc.

Address: 51687 County Road 133, Bristol, Indiana 46507

Notice Only Change: 039-23111-00277

Reviewer: ERG/SD

Date: June 15, 2006

HAPs - Organics

Emission Factor (lb/MMCF)	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential To Emit (tons/year)	7.44E-06	4.25E-06	2.66E-04	6.38E-03	1.20E-05

HAPs - Metals

Emission Factor (lb/MMCF)	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential To Emit (tons/year)	1.77E-06	3.90E-06	4.96E-06	1.35E-06	7.44E-06

Methodology is the same as previous page.

The five highest organic and metal HAPs emission factors provided above are from AP-42, Chapter 1.4, Table 1.4-3 and 1.4-4 (July, 1998). Additional HAPs emission factors are available in AP-42, Chapter 1.4.