



Joseph E. Kernan  
Governor

Lori F. Kaplan  
Commissioner

January 5, 2005

100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
www.in.gov/idem

TO: Interested Parties / Applicant

RE: Therma Tru Corporation / 033-20011-00094

FROM: Paul Dubenetzky  
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 9/16/03



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
*We make Indiana a cleaner, healthier place to live.*

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January 5, 2005

Bruce Wesner  
Therma Tru Corporation  
108 Mutzfeld Road  
Butler, IN 46721

Re: Registered Construction and Operation Status,  
033-20011-00094

Dear Mr. Wesner:

Therma Tru Corporation was issued a registration (033-19853-00094) on December 17, 2004 for a stationary patio door manufacturing and assembling plant, to be located at 105 Industrial Parkway, Waterloo, IN 46793. A letter notifying the Office of Air Quality of notice-only changes to the registration was received on December 21, 2004. The source requested that typographical errors in the registration be corrected pursuant to the provisions of 326 IAC 2-5.5-6. The source requested that registration be corrected to list two (2) computerized numerically controlled (CNC) machines and to identify the baghouse flow rate as twenty-one thousand (21,000) actual cubic feet per minute (acfm). Based on the corrected information and the provisions in 326 IAC 2-5.5, it has been determined that the following stationary patio door manufacturing and assembling plant, to be located at 105 Industrial Parkway, Waterloo, IN 46793 is classified as registered:

- (a) One (1) patio door frame manufacturing operation, consisting of cutting, sawing, drilling, and/or routing of wood, with a maximum throughput capacity of 270 patio door units per day, and with particulate emissions from each of the emission units controlled by one (1) baghouse dust collector, with a control efficiency of 99%, a maximum gas flow rate of twenty-one thousand (21,000) actual cubic feet per minute (acfm), and exhausting to Stack 1. The source consists of the following emission units:
  - (1) Two (2) computerized numerically controlled (CNC) machines for cutting, drilling, and/or routing of wood;
  - (2) Five (5) Mitre chop saws for cutting of wood;
  - (3) One (1) table saw for cutting of wood;
  - (4) One (1) radial arm saw for cutting of wood;
  - (5) Three (3) Jamb machines for drilling and/or routing of wood;

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, 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) in a six (6) hour period 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 6-4 (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.
- (c) The requirements of 326 IAC 6-3 are applicable to each of the individual emission units at this source. Pursuant to 326 IAC 6-3-2(e)(2), any manufacturing process not exempt under 326 IAC 6-3-1(b) or (c) and to which the control methods in 326 IAC 6-3-2 (b) through (d) do not apply shall calculate allowable particulate emissions as follows:
  - (1) No person shall operate any manufacturing process so as to produce, cause, suffer, or allow particulate to be emitted in excess of the amount shown in the table in 326 IAC 6-3-2(e)(2). The allowable rate of emission shall be based on the process weight rate for a manufacturing process.
  - (2) When the process weight rate is less than one hundred (100) pounds per hour, the allowable rate of emission is five hundred fifty-one thousandths (0.551) pound per hour.
  - (3) When the process weight exceeds two hundred (200) tons per hour, the allowable emission may exceed that shown in the table in 326 IAC 6-3-2(e)(2), provided the concentration of particulate in the discharge gases to the atmosphere is less than one-tenth (0.10) pound per one thousand (1,000) pounds of gases:

In order to comply with the allowable rate of emission, the baghouse shall be in operation at all times when the source is in operation. The allowable rate of emission can be calculated as follows:

Interpolation of the data in the table in 326 IAC 6-3-2(e)(2) for the process weight rates up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

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

and interpolation and extrapolation of the data in the table in 326 IAC 6-3-2(e)(2) for the process weight rates in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour, and} \\ P = \text{process weight rate in tons per hour}$$

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

**Compliance Data Section  
Office of Air Quality  
100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, IN 46206-6015**

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. If you have any questions on this matter, please contact Nathan C. Bell, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 317-234-3350 or at 1-800-451-6027 (ext 43350).

Sincerely,

Original signed by

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

NCB

cc: File - DeKalb County  
DeKalb County Health Department  
IDEM Northern Regional Office  
Air Compliance Section Inspector - Doyle Houser  
Permit Tracking  
Compliance Data Section  
Administrative and Development

<b>Registration Annual Notification</b>
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This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3)

<b>Company Name:</b>	Therma Tru Corporation
<b>Address:</b>	Waterloo Industrial Park, 105 Industrial Parkway, Waterloo, IN 46793
<b>City:</b>	Waterloo
<b>Authorized individual:</b>	Bruce Wesner
<b>Phone #:</b>	(260) 868-5811 (Extension 2150)
<b>Registration #:</b>	033-20011-00094

I hereby certify that Therma Tru Corporation is still in operation and is in compliance with the requirements of Registration 033-20011-00094.

<b>Name (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>

# Indiana Department of Environmental Management Office of Air Quality

## Technical Support Document (TSD) for a Registration Notice Only Change

### Source Background and Description

**Source Name:** Therma Tru Corporation  
**Source Location:** Waterloo Industrial Park, 105 Industrial Parkway, Waterloo, IN 46793  
**County:** DeKalb  
**SIC Code:** 3442 (Manufacturing of Metal Doors, Sash, Frames, Molding, and Trim)  
3089 (Manufacturing of Miscellaneous Plastic Products, N.E.C.)  
**Application No.:** 033-20011-00094  
**Reviewer:** Nathan C. Bell

The Office of Air Quality (OAQ) has reviewed a revision application from Therma Tru Corporation relating to the operation stationary patio door manufacturing and assembling plant.

### Explanation of Revision

Therma Tru Corporation was issued a registration (033-19853-00094) on December 17, 2004 for a stationary patio door manufacturing and assembling plant, to be located at 105 Industrial Parkway, Waterloo, IN 46793. A letter notifying the Office of Air Quality of notice-only changes to the registration was received on December 21, 2004. The source requested that typographical errors in the registration be corrected pursuant to the provisions of 326 IAC 2-5.5-6. The source requested that registration be corrected to list two (2) computerized numerically controlled (CNC) machines and to identify the baghouse flow rate as twenty-one thousand (21,000) actual cubic feet per minute (acfm). The purpose of the registration notice only change is to correct typographical errors. The potential to emit of regulated criteria pollutants at the source does not change as a result of these changes.

### Emission Units and Pollution Control Equipment

The application includes information relating to the construction and operation of the following:

- (a) One (1) patio door frame manufacturing operation, consisting of cutting, sawing, drilling, and/or routing of wood, with a maximum throughput capacity of 270 patio door units per day, and with particulate emissions from each of the emission units controlled by one (1) baghouse dust collector, with a control efficiency of 99%, a maximum gas flow rate of twenty-one thousand (21,000) actual cubic feet per minute (acfm), and exhausting to Stack 1. The source consists of the following emission units:
  - (1) Two (2) computerized numerically controlled (CNC) machines for cutting, drilling, and/or routing of wood;
  - (2) Five (5) Mitre chop saws for cutting of wood;
  - (3) One (1) table saw for cutting of wood;
  - (4) One (1) radial arm saw for cutting of wood;
  - (5) Three (3) Jamb machines for drilling and/or routing of wood;

### Stack Summary

Stack ID	Operation	Height (ft)	Outlet Dimensions (ft)	Flow Rate (acfm)	Temperature (°F)
1	Baghouse Exhaust	TBD	TBD	21,000	ambient

### Recommendation

The staff recommends to the Commissioner that the application be approved as a registration. 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 December 21, 2004.

### Conclusion

The operation of this source shall be subject to the conditions of the attached registration, No 033-20011-00094.