



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: December 21, 2007
RE: M & R Wood Finishing / 039-25578-00584
FROM: Matthew Stuckey, Deputy 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.dot12/3/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

Mr. Maynard Slabaugh
M&R Wood Finishing
60660 County Road 43
Middlebury, Indiana 46540

December 21, 2007

Re: 039-25578-00584
Registration Notice Only-Change
to R039-17754-00584

Dear Mr. Slabaugh:

M&R Wood Finishing was issued a Registration No. R039-17754-00584 on November 20, 2003, for a stationary wood surface coating source, located at 60660 County Road 43, Middlebury, Indiana 46540. On November 26, 2007, the Office of Air Quality (OAQ) received an application from the source requesting the permit be updated to indicate the removal of one (1) surface coating booth (S3) and to add a diesel fuel fired backup generator, installed in 2003, with a maximum heat input capacity of 11 KWA.

This change to the permit is considered a notice only-change pursuant to 326 IAC 2-5.5-6(d)(12) since the potential to emit of each criteria pollutants and hazardous pollutants is less than the range specified in 326 IAC 2.1.1-3(e) (see attachment, Appendix A, for PTE of the backup generator). The potential to emit of the entire source remains below the registration limit requirements.

Pursuant to 326 IAC 2-5.5-6, the registration is hereby revised as follows with deleted language is shown in ~~strikeouts~~ and new language **bolded**:

- (a) ~~Three (3)~~ **Two (2)** spray booths (identified as S1, ~~and S2 and S3~~), **constructed in 2003**, with a maximum usage rate of 0.63 gallons of coating per hour, using high volume low pressure (HVLP) spray guns, controlled by dry filters and exhausting at stacks ID S1, ~~and S2 and S3~~. ~~These units will be constructed in 2003.~~
- (b) **One (1) diesel fuel fired backup generator, installed in 2003, with a maximum heat input capacity of 11 KWA.**

The following conditions shall be applicable:

- (b) Pursuant to 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating), ~~the surface coating applied to wood furniture and cabinets~~ **the owner or operator of this source shall apply all coating material, with the exception of no more than ten (10) gallons of coating per day used for touch-up and repair operations, shall utilize using one or more** of the following application methods:
- (c) Pursuant to 326 IAC 6-3-2(d) **(Particulate Emission Limitations Manufacturing Processes):**
 - (1) Particulate from the ~~three (3)~~ **two (2)** spray booths shall be controlled by dry particulate filters, and the Permittee shall operate the control device in accordance with manufacturer=s specifications.

- (2) 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.
- (3) 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.

The dry particulate filters shall be in operation at all times the **two (2)** ~~three (3)~~ spray booths are in operation in order to comply with this limit.

- (e) **326 IAC 6-4 (Fugitive Dust Emissions), the owner or operator 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).**

The diesel fuel fired backup generator is not subject to 40 CFR 60 Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines) because the diesel fuel fired backup generator was constructed before July 11, 2005.

Therefore, the source shall continue to operate according to 326 IAC 2-5.5. Please find enclosed revised registration.

If you have any questions on this matter, please contact Renee Traivaranon, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, at 317-234-5615 or at 1-800-451-6027 (ext 4-5615).

Sincerely,
Original signed by

Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

IC/rt

Enclosures

cc: File - Elkhart County
Elkhart County Health Department
Air Compliance - Paul Karkiewicz
IDEM Northern Regional Office
Permit Administrative and Development
Billing, Licensing and Training Section – Dan Stamatkin



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

December 21, 2007

Mr. Maynard Slabaugh
M&R Wood Finishing
60660 County Road 43
Middlebury, Indiana 46540

Re: Notice Only-Change No. 039-25578-00584
Registered Operation Status

Dear Mr. Slabaugh:

The application from M&R Wood Finishing received on November 26, 2007, has been reviewed. Based on the information provided and the provisions in 326 IAC 2-5.5, it has been determined that the following stationary wood surface coating source, located at 60660 County Road 43, Middlebury, Indiana 46540 is classified as registered:

- (a) Two (2) spray booths (identified as S1 and S2), constructed in 2003, with a maximum usage rate of 0.63 gallons of coating per hour, using high volume low pressure (HVLP) spray guns, controlled by dry filters and exhausting at stacks ID S1, and S2.
- (b) One (1) No. 2 fuel fired generator, installed in 2003, with a maximum heat input capacity of 0.11 MMBtu per hour.
- (c) One (1) wood fired hot water boiler, installed in 2003, with a maximum heat input capacity of 0.14 MMBtu per hour.
- (d) One (1) diesel fired backup generator, installed in 2003, with a maximum heat input capacity of 11 KWA.

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 (60 readings in a 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 8-2-12 (Wood Furniture and Cabinet Coating), the owner or operator of this source shall apply all coating material, with the exception of no more than ten (10) gallons of coating per day used for touch-up and repair operations, using one or more of the following application methods:

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

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

- (c) Pursuant to 326 IAC 6-3-2(d) (Particulate Emission Limitations Manufacturing Processes):
- (1) Particulate from the two (2) spray booths shall be controlled by dry particulate filters, and the Permittee shall operate the control device in accordance with manufacturer=s specifications.
 - (2) 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.
 - (3) 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.

The dry particulate filters shall be in operation at all times the two (2) spray booths are in operation.
- (d) Pursuant to 326 6-2-4(a), the PM emissions from the 0.14 MMBtu per hour wood fired hot water boiler, which is constructed after September 21, 1983 shall be limited to 0.6 pounds of particulate matter per MMBtu heat input.
- (e) 326 IAC 6-4 (Fugitive Dust Emissions), the owner or operator 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).

This source remains a registered source. The source may continue to 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:

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

If you have any questions on this matter, please contact Renee Traivaranon, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, at 317-234-5615 or at 1-800-451-6027 (ext 4-5615).

Sincerely,

Original signed by

Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

Enclosures

IC/rt

cc: File – Elkhart County
Elkhart County Health Department
Air Compliance – Patrick Burton
Permit Administrative and Development
Billing, Licensing and Training Section – Dan Stamatkin

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:	M&R Wood Finishing
Address:	60660 County Road 43, Middlebury, Indiana 46540
Phone #:	574-825-7970
Registration #:	039-25578-00584

Certification by the Authorized Individual
I hereby certify that M&R Wood Finishing is still in operation and is in compliance with the requirements of Registration 039-25578-00584 .
Name (typed):
Title:
Signature:
Phone Number:
Date:

**Appendix A: Emission Calculations
Internal Combustion Engines - Diesel Fuel**

Company Name: M&R Wood Finishing
Address City IN Zip: 60660 County Road 43, Middlebury, IN 46540
Permit Number: 039-25578-00584
Reviewer: Renee Traivaranon
Date: December 5, 2007

A. Emissions calculated based on heat input capacity (MMBtu/hr)

Heat Input Capacity
MM Btu/hr

0.1033

Emission Factor in lb/MMBtu	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
0.31	0.31	0.31	0.29	4.41	0.4	0.95
Potential Emission in tons/yr	0.01	0.01	0.01	0.11	0.01	0.02

B. Emissions calculated based on output rating (hp)

Heat Input Capacity
Horsepower (hp)

14.75

Potential Throughput
hp-hr/yr

7375.6

Emission Factor in lb/hp-hr	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
0.0022	0.0022	0.0022	0.0021	0.0310	0.0025	0.0067
Potential Emission in tons/yr	0.01	0.01	0.01	0.11	0.01	0.02

Methodology

Potential Throughput (hp-hr/yr) = hp * 500 hr/yr

Use a conversion factor of 7,000 Btu per hp-hr to convert from horsepower to Btu/hr, unless the source gives you a source-specific brake-specific fuel consumption. (AP-42, Footnote a, Table 3.3-1)

Emission Factors are from AP42 (Supplement B 10/96), Table 3.3-2

Emission (tons/yr) = [Heat input rate (MMBtu/hr) x Emission Factor (lb/MMBtu)] * 500 hr/yr / (2,000 lb/ton)

Emission (tons/yr) = [Potential Throughput (hp-hr/yr) x Emission Factor (lb/hp-hr)] / (2,000 lb/ton)

*PM emission factors are assumed to be equivalent to PM10 emission factors. No information was given regarding which method was used to determine the factor or the fraction of PM10 which is condensable.