



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant
DATE: January 31, 2008
RE: H & J Enterprises / 039-25909-00394
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.dot 1/2/08



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

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100 North Senate Avenue
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January 31, 2008

Mr. Herbert A. Lehman
H&J Enterprises
25240 C.R. 52
Nappanee, Indiana 46550

Re: R 039-25909-00394
Re-Registration to R039-5834-00394

Dear Mr. Lehman:

H&R Enterprises was issued a Registration No. 039-5834-00394 on August 6, 1996, for a stationary wood furniture manufacturing source located at 25240 C.R. 52, Nappanee, Indiana 46550. On January 15, 2008, the Office of Air Quality (OAQ) received an application from source requesting the permit be updated to include the company name change to H&J Enterprises, the replacement of 85 HP/hr diesel engine with 152 HP/hr diesel engine and an annual throughput of diesel fuel tank change to 4950 gals/year.

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

- (d) One (1) diesel engine with an output capacity of 85 HP/hr. 152 horsepower/hr, constructed in 1998.
(e) One (1) diesel fuel tank with annual throughput of 7900 gals/yr. 4950 gals/yr.

The following conditions shall be applicable:

- (a) 326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating)
(b) 326 IAC 6-3 (Process Operation) (Particulate Emission Limitations for Manufacturing Processes)
(1) Pursuant to 326 IAC 6-3-2 (Process Operation) (Particulate Emission Limitations for Manufacturing Processes), the dust collector shall be in-----

- (c) 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating)

Pursuant to 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating), an owner or operator of a wood furniture or cabinet coating operation 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, the surface coating applied to wood furniture and/or wood components shall utilize one or more of the following application methods:

(d) 326 IAC 5-1-2 (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:

- (1) Opacity shall not exceed an average of twenty percent (20%) 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)

Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions), the Permittee 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).

No new Federal rules are applicable to this source. Therefore, the source shall continue to operate according to 326 IAC 2-5.5. Please find enclosed the registration revision.

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 document signed by

Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

CT/rt

Enclosures

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



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January 31, 2008

Mr. Herbert A. Lehman
H&J Enterprises
25240 C.R. 52
Nappanee, Indiana 46550

Re: Registered Construction and Operation Status,
039-25909-00394

Dear Mr. Lehman:

The application from H&J Enterprises, received on January 15, 2008 has been reviewed. Based on the information submitted and the provisions in 326 IAC 2-5.5, it has been determined that the following stationary wood furniture manufacturing source located at 25240 C.R. 52, Nappanee, Indiana 46550 is classified as registered:

- (a) One (1) propane fired space heater with a capacity of 0.04 MMBtu/hr,
- (b) One (1) propane fired water heater with a capacity of 0.04 MMBtu/hr,
- (c) One (1) Wood fired stove with a capacity of 0.026 MMBtu/hr,
- (d) One (1) diesel engine with an output capacity of 152 horsepower/hr, constructed in 1998.
- (e) One (1) diesel fuel tank with annual throughput of 4950 gals/yr,
- (f) One (1) wood working shop equipped with woodworking equipment, using a dust collector to control PM emissions, and
- (g) One (1) paint booth equipped with two (2) high volume low pressure (HVLP) spray guns, using dry low-temperature filters to control PM emissions.

The following conditions shall be applicable:

- (a) 326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating)

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Source of Indirect Heating), particulate matter (PM) emissions from this 0.04 MMBtu/hr water heater shall be limited to 0.6 pound per MMBtu heat input.
- (b) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
 - (1) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the dust collector shall be in operation at all times when the woodworking shop is in operation, and shall not exceed the allowable particulate matter (PM) emission rate of 1.1 pounds per hour.

- (2) The visible particulate matter (PM) emissions from the woodworking facilities shall not exceed 10% opacity and the fugitive dust complies with 326 IAC 6-4 (fugitive Dust Emissions).

(c) 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating)

Pursuant to 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating), an owner or operator of a wood furniture or cabinet coating operation 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, the surface coating applied to wood furniture and/or wood components shall utilize 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. High volume low pressure (HVLP) spray means 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.

(d) 326 IAC 5-1-2 (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:

- (1) Opacity shall not exceed an average of twenty percent (20%) 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)

Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions), the Permittee 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 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
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 document 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 Section - Paul Karkiewicz
IDEM Northern Regional Office
Permits 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:	H&J Enterprises
Address:	25240 C.R. 52, Nappanee, Indiana 46550
Phone #:	(574) 546-1688
Registration #:	039-25909-00394

Certification by the Authorized Individual
I hereby certify that H&J Enterprises is still in operation and is in compliance with the requirements of Registration 039-25909-000394
Name (typed):
Title:
Signature:
Phone Number:
Date:

Appendix A: Emission Calculations Diesel Fuel Engine

Company Name: H & J Enterprises
Address City IN Zip: 25240 CR 52, Nappanee, IN 46550
Permit Number: R039-25909-00394
Reviewer: Renee Traivaranon
Date: January 29, 2008

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

Heat Input Capacity
MM Btu/hr

1.1

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	1.44	1.44	1.35	20.55	1.68	4.43

B. Emissions calculated based on output rating (hp)

Heat Input Capacity
Horsepower (hp)

Potential Throughput
hp-hr/yr

152.0

1331520.0

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	1.46	1.46	1.36	20.64	1.67	4.45

Methodology

Potential Throughput (hp-hr/yr) = hp * 8760 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)] * 8760 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.