



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: March 28, 2007
RE: Standard Locknut, LLC / 057-24233-00041
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

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 326 IAC 2, this approval was effective immediately upon submittal of the application.

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 from 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
FNPER-AM.dot 03/23/06



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

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Governor

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March 28, 2007

Amy Hardesty
Standard Locknut, LLC
1045 E. 169th Street
Westfield, Indiana 46074

Re: 057-24233-00041
First Notice-Only Change to R057-4109-00041

Dear Ms. Hardesty:

Standard Locknut & Lockwasher Company, Inc. was issued a registration on November 30, 1994, for the operation of three surface coating booths used to paint metal castings. An application from Standard Locknut, LLC, received on January 19, 2007, has been reviewed. Standard Locknut, LLC requests to change the name of the source from Standard Locknut & Lockwasher Company, Inc. to Standard Locknut, LLC due to a change in ownership. Standard Locknut, LLC also requests to update the registration to reflect that two (2) of the original paint booths were removed between 1998 and 1999 and the source now has only one (1) paint booth.

Based on the data and requests submitted and the provisions in 326 IAC 2-5.5, it has been determined that Standard Locknut & Lockwasher Company, Inc., located at 1045 E. 169th Street, Westfield, Indiana, will now be known as Standard Locknut, LLC and the following equipment is classified as registered:

- (a) One (1) surface coating booth, identified as SPB2, constructed in 1994, with a maximum capacity of 32 metal castings per hour, using an air assisted airless application method and dry filters for particulate control, and exhausting to PB Stack.

This is a notice only change issued to this source. The source may continue to operate according to 326 IAC 2-5.5. All other conditions of the registration shall remain unchanged and in effect. Please find enclosed the revised registration.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. 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 Stacie Enoch, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7895 to speak directly to Ms. Enoch. 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 3-6878, or dial (317) 233-6878.

Sincerely,

Original document signed by

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

ERG/SE

cc: File - Hamilton County
Hamilton County Health Department
Air Compliance - Marc Goldman
Permit Tracking
Compliance Data Section



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Dear Ms. Hardesty:

Standard Locknut & Lockwasher Company, Inc. was issued a registration on November 30, 1994, for the operation of three surface coating booths used to paint metal castings. An application from Standard Locknut, LLC, received on January 19, 2007, has been reviewed. Based on the data and requests submitted and the provisions in 326 IAC 2-5.5, it has been determined that Standard Locknut & Lockwasher Company, Inc., located at 1045 E. 169th Street, Westfield, Indiana, will now be known as Standard Locknut, LLC and the following equipment is classified as registered:

- (a) One (1) surface coating booth, identified as SPB2, constructed in 1994, with a maximum capacity of 32 metal castings per hour, using an air assisted airless application method and dry filters for particulate control, and exhausting to PB Stack.

The following conditions shall be applicable:

- (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:
 - (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.
- (2) Pursuant to 326 IAC 6-3-2(d), particulate from the surface coating operation shall be controlled by dry particulate filter and the Permittee shall operate the control device in accordance with the manufacturer's specifications.
- (3) Pursuant to 326 IAC 8-2-9(d)(3), no owner or operator of a facility engaged in surface coating of miscellaneous metal parts and products may cause, allow, or permit the discharge into the atmosphere of any volatile organic compounds in excess of three and five-tenths (3.5) pounds per gallon of coating, excluding water, delivered to a coating applicator in a coating application system that is air dried.



This is a notice only change issued to this 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:

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 Stacie Enoch, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7895 to speak directly to Ms. Enoch. 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 3-6878, or dial (317) 233-6878.

Sincerely,

Original document signed by

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

ERG/SE

cc: File - Hamilton County
Hamilton County Health Department
Air Compliance - Marc Goldman
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:	Standard Locknut, LLC
Address:	1045 E. 169th Street
City:	Westfield
Authorized individual:	David Langenkamp
Phone #:	317-399-2222
Registration #:	057-4109-00041

I hereby certify that Standard Locknut, LLC is still in operation and is in compliance with the requirements of Registration 057-24233-00041.

Name (typed):
Title:
Signature:
Date:

**Appendix A: Emission Calculations
VOC and Particulate Emissions from One (1) Paint Booth**

Company Name: Standard Locknut, LLC
Address: 1045 East 169th Street, Westfield, Indiana 46074
Exemption or Registration: 057-24233-00041
Reviewer: ERG/SE
Date: March 23, 2007

Material	Density (lbs/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Maximum Usage (fluid oz/unit)	Conversion Factor (fluid oz/gal)	Maximum Throughput (units/hr)	Pounds VOC per Gallon of Coating	PTE VOC (lbs/hr)	PTE VOC (lbs/day)	PTE VOC (tons/yr)	Uncontrolled PTE Particulate (tons/yr)	Particulate Emissions after Control (tons/yr)	Transfer Efficiency %	Control Efficiency %
Gray Enamel	8.81	75.1%	38.8%	36.3%	3.00	128	32	3.20	2.40	57.6	10.5	2.52	0.50	65%	80%
Green A/D Enamel	8.78	73.7%	41.1%	32.6%	3.00	128	32	2.86	2.15	51.5	9.40	2.65	0.53	65%	80%
Black A/D Enamel	8.82	73.9%	39.2%	34.7%	3.00	128	32	3.06	2.30	55.1	10.1	2.65	0.53	65%	80%
Devflex Primer_Red	11.3	35.9%	30.0%	5.94%	3.00	128	32	0.67	0.50	12.1	2.20	8.31	1.66	65%	80%
Worst Case PTE									2.40	57.6	10.5	8.31	1.66		

The maximum usage for each coating in gallons per unit is 3.00 fluid ounces per casting, and the maximum throughput rate of the paint booth is 32 castings per hour. There is only one spray gun used in this paint booth, so only one of the coatings can be applied at a time. The worst case coating for VOC is Gray Enamel and the worst case coating for particulate emissions is the Devflex Primer_Red. The application method is air-assisted airless, and the source reports a transfer efficiency of 65%. Control is by dry filter.

Methodology

PTE VOC (lbs/hr) = Pounds VOC per Gallon of Coating (lbs/gal) * Maximum Usage (fluid oz/unit) / Conversion Factor (fluid oz/gal) * Maximum Throughput (units/hr)

PTE VOC (lbs/day) = PTE VOC (lbs/hr) * 24 hrs/day

PTE VOC (tons/yr) = PTE VOC (lbs/hr) * 8,760 hrs/yr * 1 ton/2,000 lbs

Uncontrolled PTE Particulate (tons/yr) = Maximum Usage (fluid oz/unit) / Conversion Factor (fluid oz/gal) * Maximum Throughput (units/hr) * Density (lbs/gal) * (1- Weight % Volatile) * (1-Transfer Efficiency %) * 8,760 hrs/yr * 1 ton/2,000 lbs

Particulate Emissions After Control (tons/yr) = Uncontrolled PTE Particulate (tons/yr) * (1-Control Efficiency %)

**Appendix A: Emission Calculations
HAP Emissions From One (1) Paint Booth**

Company Name: Standard Locknut, LLC
Address: 1045 East 169th Street, Westfield, Indiana 46074
Exemption or Registration: 057-24233-00041
Reviewer: ERG/SE
Date: March 23, 2007

Material	Density (lbs/gal)	Maximum Usage (fluid oz/unit)	Conversion Factor (fluid oz/gal)	Maximum Throughput (units/hr)	Weight % Glycol Ether	Weight % Cobalt Compounds	PTE Glycol Ethers (tons/yr)	PTE Cobalt Compounds (tons/yr)	PTE Total HAPs (tons/yr)
Gray Enamel	8.81	3.00	128	32	5.70%	0.70%	1.65	0.20	1.85
Green A/D Enamel	8.78	3.00	128	32	5.80%	0.70%	1.67	0.20	1.87
Black A/D Enamel	8.82	3.00	128	32	5.70%	0.70%	1.65	0.20	1.85
Devflex Primer_Red	11.3	3.00	128	32	5.00%	0.00%	1.85	0.00	1.85
Worst Case							1.85	0.20	1.87

The maximum coating usage for each coating in gallons per unit is 3.00 fluid ounces per casting, and the maximum throughput rate of the paint booth is 32 castings per hour. The worst case coating for a single HAP is Devflex Primer_Red and the worst case coating for a combination of HAPs is Green A/D Enamel.

Methodology

PTE HAP (tons/yr) = Density (lbs/gal) * Maximum Usage (fluid oz/unit) / Conversion Factor (fluid oz/gal) * Maximum Throughput (units/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs