



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: April 22, 2005
RE: Indiana Automotive Fasteners, Inc. / 059-21054-00024
FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

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 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require 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 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
FNPER-MOD.dot 1/10/05



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

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April 22, 2005

Mr. Gary Berling
Indiana Automotive Fasteners, Inc.
1300 West Anderson Boulevard
Greenfield, IN 46140

Re: 059-21054-00024
Notice-only change to
MSOP 059-12739-00024

Dear Mr. Berling:

Indiana Automotive Fasteners, Inc. was issued Minor Source Operating Permit (MSOP) on February 5, 2001, for a stationary automotive nuts and bolts manufacturing plant, located at 1300 West Anderson Boulevard, Greenfield, IN 46140. The MSOP was revised through notice-only changes 059-15200 and 059-18386 on January 30, 2002 and June 4, 2004, respectively. A letter notifying the Office of Air Quality of notice-only changes to the permit was received on April 11, 2005.

The source plans to add a LOQ line, identified as EU-34, with maximum capacity of 294 lbs of metal fasteners per hour. The addition of EU-34 is considered a notice-only change, since EU-34 has potential emissions of regulated criteria pollutants and hazardous air pollutants less than the ranges specified 326 IAC 2-6.1-6(g)(4) and 326 IAC 2-6.1-6(d)(10), respectively.

The source also plans to add an additional tempering oven line, identified as EU-33, of the same type and capacity as the other permitted tempering oven lines. Tempering oven line EU-33 will comply with the same applicable requirements and permit terms and conditions as the other tempering oven lines, but will not cause the source's potential to emit to be greater than the threshold levels specified in 326 IAC 2-2 or 326 IAC 2-3. The addition of EU-33 is considered a notice-only change pursuant to 326 IAC 2-6.1-6(d)(13). The potential emissions of regulated criteria pollutants and hazardous air pollutants from EU-33 are also less than the ranges specified in 326 IAC 2-6.1-6(g)(4) and 326 IAC 2-6.1-6(d)(10), respectively.

Pursuant to the provisions of 326 IAC 2-6.1-6, Section A.2, Sections D.2 through D.4 of the permit are hereby revised as follows with new language **bolded**:

A.2 Emissions Units and Pollution Control Equipment Summary

This stationary source is approved to operate the following emissions units and pollution control devices:

- (aa) **One (1) Tempering Oven line for heat treatment of metal fasteners, consisting of a CO₂ generator (EU-32) using natural gas rated at 0.078 MMBtu/hr, and an electric tempering oven with a natural gas-fired flame curtain rated at 0.01 MMBtu/hr and oil quench tank (EU-33), with a maximum capacity of 7000 lb/hr of metal fasteners, and exhausting to stacks V32, V33A, V33B, and V33C.**

- (bb) One (1) LOQ line, identified as EU-34, for heat treatment of metal fasteners, consisting of one (1) pre wash/dry unit, four (4) natural gas-fired quenching furnaces, each rated at 0.34 MMBtu/hr, four (4) oil quenches, one (1) post wash/dry unit, five (5) natural gas-fired tempering furnaces, each rated at 0.18 MMBtu/hr, five (5) cooling chambers, and one (1) gas generator, with a maximum capacity of 294 lb/hr of metal fasteners, and exhausting to stacks V34A through V34K.**

SECTION D.1

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description

- (aa) One (1) Tempering Oven line for heat treatment of metal fasteners, consisting of a CO2 generator (EU-32) using natural gas rated at 0.078 MMBtu/hr, and an electric tempering oven with a natural gas-fired flame curtain rated at 0.01 MMBtu/hr and oil quench tank (EU-33), with a maximum capacity of 7000 lb/hr of metal fasteners, and exhausting to stacks V32, V33A, V33B, and V33C.**
- (bb) One (1) LOQ line, identified as EU-34, for heat treatment of metal fasteners, consisting of one (1) pre wash/dry unit, four (4) natural gas-fired quenching furnaces, each rated at 0.34 MMBtu/hr, four (4) oil quenches, one (1) post wash/dry unit, five (5) natural gas-fired tempering furnaces, each rated at 0.18 MMBtu/hr, five (5) cooling chambers, and one (1) gas generator, with a maximum capacity of 294 lb/hr of metal fasteners, and exhausting to stacks V34A through V34K.**

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this letter and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Nathan C. Bell, 100 North Senate Avenue, Indianapolis, Indiana, 46204, at 317-234-3350 or at 1-800-451-6027 (ext 43350).

Sincerely,

Original signed by
Nysa L. James, Section Chief
Permits Branch
Office of Air Quality

ncb

Attachment: Revised permit pages

cc: File - Hancock County
U.S. EPA, Region V
Hancock County Health Department
Air Compliance Section Inspector - DJ Knotts
Compliance Data Section
Administrative and Development



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NEW SOURCE CONSTRUCTION PERMIT and MINOR SOURCE OPERATING PERMIT OFFICE OF AIR QUALITY

**Indiana Automotive Fasteners
1300 West Anderson Boulevard
Greenfield, Indiana 46140**

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 059-12739-00024	
Issued by: Original signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: February 5, 2001 Expiration Date: February 5, 2006
First Notice Only Change: 059-15200-00024	Issuance Date: January 30, 2002
Second Notice Only Change: 059-18386-00024	Issuance Date: June 4, 2004
Third Notice Only Change: 059-21054-00024	Pages Affected: 5a, 18, 18a
Issued by: Original signed by Nysa L. James, Section Chief Office of Air Quality	Issuance Date: April 22, 2005

- (x) One (1) BZ line for applying zinc and chrome coating to metal fasteners, including one (1) electric furnace, identified as EU-27, and a scrubber, identified as EU-26, with a maximum capacity of 3300 lb/hr, and exhausting to stacks V26 and V27;
- (y) One (1) Tempering Oven line for heat treatment of metal fasteners, consisting of a CO2 generator (EU-28) using natural gas at the rate of 0.78 mmBTU, and an electric tempering oven with a natural gas flame curtain and oil quench tank (EU-29), with a maximum capacity of 7000 lb/hr, and exhausting to stacks V28, V29A, V29B, and V29C.
- (z) One (1) Tempering Oven line for heat treatment of metal fasteners, consisting of a CO2 generator (EU-30) using natural gas at the rate of 0.078 mmBTU, and an electric tempering oven with a natural gas flame curtain and oil quench tank (EU-31), with a maximum capacity of 7000 lb/hr, and exhausting to stacks V30, V31A, V31B, and V31C.
- (aa) One (1) Tempering Oven line for heat treatment of metal fasteners, consisting of a CO2 generator (EU-32) using natural gas rated at 0.078 MMBtu/hr, and an electric tempering oven with a natural gas-fired flame curtain rated at 0.01 MMBtu/hr and oil quench tank (EU-33), with a maximum capacity of 7000 lb/hr of metal fasteners, and exhausting to stacks V32, V33A, V33B, and V33C.
- (bb) One (1) LOQ line, identified as EU-34, for heat treatment of metal fasteners, consisting of one (1) pre wash/dry unit, four (4) natural gas-fired quenching furnaces, each rated at 0.34 MMBtu/hr, four (4) oil quenches, one (1) post wash/dry unit, five (5) natural gas-fired tempering furnaces, each rated at 0.18 MMBtu/hr, five (5) cooling chambers, and one (1) gas generator, with a maximum capacity of 294 lb/hr of metal fasteners, and exhausting to stacks V34A through V34K.

- (w) One (1) electric tempering oven with a natural gas flame curtain and oil quench tank, identified as EU-25, rated at 0.01 MMBtu/hr, and exhausting to stack V25-B.
- (a) One (1) BZ line for applying zinc and chrome coating to metal fasteners, including one (1) electric furnace, identified as EU-27, and a scrubber, identified as EU-26, with a maximum capacity of 3300 lb/hr, and exhausting to stacks V26 and V27;
- (y) One (1) Tempering Oven line for heat treatment of metal fasteners, consisting of a CO2 generator (EU-28) using natural gas at the rate of 0.078 mmBTU, and an electric tempering oven with a natural gas flame curtain and oil quench tank (EU-29), with a maximum capacity of 7000 lb/hr, and exhausting to stacks V28, V29A, V29B, and V29C.
- (z) One (1) Tempering Oven line for heat treatment of metal fasteners, consisting of a CO2 generator (EU-30) using natural gas at the rate of 0.078 mmBTU, and an electric tempering oven with a natural gas flame curtain and oil quench tank (EU-31), with a maximum capacity of 7000 lb/hr, and exhausting to stacks V30, V31A, V31B, and V31C.
- (aa) One (1) Tempering Oven line for heat treatment of metal fasteners, consisting of a CO2 generator (EU-32) using natural gas rated at 0.078 MMBtu/hr, and an electric tempering oven with a natural gas-fired flame curtain rated at 0.01 MMBtu/hr and oil quench tank (EU-33), with a maximum capacity of 7000 lb/hr of metal fasteners, and exhausting to stacks V32, V33A, V33B, and V33C.
- (bb) One (1) LOQ line, identified as EU-34, for heat treatment of metal fasteners, consisting of one (1) pre wash/dry unit, four (4) natural gas-fired quenching furnaces, each rated at 0.34 MMBtu/hr, four (4) oil quenches, one (1) post wash/dry unit, five (5) natural gas-fired tempering furnaces, each rated at 0.18 MMBtu/hr, five (5) cooling chambers, and one (1) gas generator, with a maximum capacity of 294 lb/hr of metal fasteners, and exhausting to stacks V34A through V34K.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards

D.1.1 Particulate Matter Limitation (PM) [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), particulate emissions for the two (2) natural gas fired boilers (EU-15, EU-15-1), and the one (1) natural gas fired boiler (EU-16) used for indirect heating purposes which were constructed after September 21, 1983 and for which the total source maximum operating capacity is less than or equal to 10 MMBtu/hr, shall in no case exceed 0.6 pounds of particulate matter per million British thermal units of heat input. This value was based on the lesser of the following equation and 0.6 pounds per MMBtu:

$$Pt = \frac{1.09}{Q^{0.26}}$$

where: Pt = pounds of particulate matter emitted per million Btu heat input

Q = total source maximum operating capacity rating in MMBtu per hour heat input

D.1.2 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Process Operations), the allowable PM emission rate from the abrasive blasting operation (EU-8a, EU-8b) shall not exceed 3.45 pounds per hour when operating at a rate of 0.773 tons per hour. The allowable PM emission rate from the headforming machines (EU-6) shall not exceed 4.13 pounds per hour when operating at a rate of 1.0125 tons per hour. The allowable PM emission rate from the abrasive blasting operation (EU-20a, EU-20b) shall not exceed 3.46 pounds per hour when operating at a rate of 0.775 tons per hour. The pounds per hour limitation was calculated using the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

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