



*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: February 14, 2006  
RE: American Steel Cord / 143-21701-00008  
FROM: Paul Dubenetzky  
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 1/10/05



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We make Indiana a cleaner, healthier place to live.*

---

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Indianapolis, Indiana 46204  
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Mr. Gustavo Diaz  
American Steel Cord  
Division of Hyosung (America), Inc.  
1010 West Weir Road  
Scottsburg, Indiana 47170

February 14, 2006

Re: Registered Operation Status,  
143-21617-00008

Dear Mr. Diaz:

The application from American Steel Cord, A Division of Michelin North America, Inc., received on July 29, 2005, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.5-6, it has been determined that the following wire drawing operation located at 1010 West Weir Road, Scottsburg, IN 47170, is classified as registered:

- (a) Two (2) natural gas fired steam boilers, identified as B01 and B02, each installed in 1990 with a maximum heat input rate of 2.93 million (MM) British thermal units (Btu) per hour, and each exhausting through stacks B01 and B02.
- (b) Two (2) natural gas fired steam boilers, identified as B03 and B04, each installed in 1990 with a maximum heat input rate of 1.255 million (MM) British thermal units (Btu) per hour, and each exhausting through stacks B03 and B04.
- (c) Six (6) natural gas fired unit heaters located at RT department, identified as GUH 1-6, and each with a maximum heat input rate of 0.2 MMBtu per hour.
- (d) Five (5) natural gas fired unit heaters located at RO Department, identified as GUH 7-11, and each with a maximum heat input rate of 0.165 MMBtu per hour.
- (e) One (1) natural gas fired unit heater located at small mechanical room, identified as GUH 12, and with a maximum heat input rate of 0.05 MMBtu per hour.
- (f) Four (4) natural gas fired unit heaters used for plating line tanks, identified as GUH 13-16, and each with a maximum heat input rate of 0.130 MMBtu per hour.
- (g) Two (2) natural gas fired unit heaters located at RO department, identified as GUH 17 and 18, and each with a maximum heat input rate of 0.165 MMBtu per hour.
- (h) Six (6) natural gas fired unit heaters located at RC department, identified as GUH 19-24, and each with a maximum heat input rate of 0.3 MMBtu per hour.

- (i) Two (2) natural gas fired unit heaters located at wet lube room, identified as GUH 25 and 26, and each with a maximum heat input rate of 0.1 MMBtu per hour.
- (j) One (1) natural gas fired unit heater located at main mechanical room, identified as GUH 29, with a maximum heat input rate of 0.130 MMBtu per hour.
- (k) Six (6) natural gas fired unit heaters located at RD department, identified as GUH 30-35, each with a maximum heat input rate of 0.4 MMBtu per hour.
- (l) Two (2) natural gas fired unit heaters located at shipping department, identified as GUH 36 and 37, each with a maximum heat input rate of 0.2 and 0.1 MMBtu per hour, respectively.
- (m) Two (2) natural gas fired unit heaters, identified as GUH 38 and 39, each with a maximum heat input rate of 0.1 and 0.2 MMBtu per hour, respectively.
- (n) Eight (8) natural gas fired roof top units, identified as RTU 1-8, each with a maximum heat input rate of 0.12, 0.16, 0.16, 0.12, 0.16, 0.16, 0.079, and 0.16 MMBtu per hour, respectively.
- (o) Seven (7) natural gas fired make up air units, identified as MAU 1-7, each with a maximum heat input rate of 1.10 MMBtu per hour.
- (p) One (1) hydrochloric acid (HCl) pickling line consisting of two (2) HCl baths, with combined maximum capacity of 5,454.49 pounds per hour, identified as EU 1 and 2, equipped with a packed tower for control, and exhausting through one (1) stack identified as CE 01.
- (q) One (1) natural gas fired oven for the pickling and zinc-phosphate line, identified as DF-1, with a maximum heat input rate of 0.80 MMBtu per hour.
- (r) One (1) zinc-phosphate bath part of the HCl pickling line, identified as EU 3; four (4) sulfuric acid baths, identified as EU12 – 14, and equipped with packed tower brassing scrubber for control; four (4) Copper plating baths, identified as EU 20 – 23; four (4) zinc plating baths, identified as EU 24 – 27; and four (4) sodium hydroxide bath, identified as EU 16 – EU19.
- (s) Eight (8) dry draw lines, identified as EU 4 – 11, with combined processing capacity of 2.73 tons of wire per hour.
- (t) Two (2) natural gas fired plating lines, identified as PF-1 and PF-2, each with a maximum heat input rate of 2.56 MMBtu per hour.
- (u) Eighty (80) wet drawing machines, identified as EU 30 – 109.
- (v) Two (2) natural gas fired pressurized fluidized beds, identified as FBP-1 an FBP-2, each with a maximum heat input rating of 2.78 MMBtu per hour, and equipped with an inertial separator for control.
- (w) Two (2) natural gas fired diffusion fluidized beds, identified as FBD-1 an FBD-2, each with a maximum heat input rating of 2.78 MMBtu per hour, and equipped with an inertial separator for control.
- (x) Three (3) storage tanks identified as EU 111, 112 and 113 (storing new hydrochloric acid, spent hydrochloric acid, and zinc-phosphate solution, respectively), each with maximum storage capacity of 6,000 gallons.
- (y) Two (2) storage tanks identified as EU 114 and 124 (storing sodium hydroxide), each with a maximum storage capacity of 5,640 and 1,450 gallons, respectively.

- (z) Two (2) storage tanks identified as EU 115 and 116 (storing sulfuric acid), each with a maximum storage capacity of 4,885 and 1,000 gallons, respectively.
- (aa) Three (3) storage tanks identified as EU 118, 119 and 126 (storing Copper), each with a maximum storage capacity of 3,700, 1,050, and 1,000 gallons, respectively.
- (bb) Two (2) storage tanks identified as EU120 and 121 (storing Zinc), each with a maximum storage capacity of 725 and 1,500 gallons, respectively.
- (cc) Two (2) storage tanks identified as EU 122 and EU 126 (storing spent acid and copper, respectively), with a maximum storage capacity of 4,500 and 1,000 gallons, respectively.
- (dd) Two (2) phosphoric acid baths, identified as EU28 and 29.
- (ee) Two (2) storage tanks identified as EU 123 and 125 (storing spent acid and spent sodium hydroxide, respectively), each with a maximum storage capacity of 6,000 and 7,000 gallons, respectively.
- (ff) Two (2) natural gas fired roof top units, identified as RTU 9 and 10, each with a maximum heat input rate of 0.825 and 0.25 MMBtu per hour, respectively.
- (gg) One (1) scrap metal torching operation identified as EU 110, with a maximum process weight rate of 0.35 tons per hour.

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 the 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 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 6-3-2 (Process Emissions Limitations from Manufacturing Processes):
  - (1) The allowable particulate emission rate from the dry draw lines (EU 4 through EU 11) shall not exceed 8.035 pounds per hour when operating at a process weight rate of 2.73 tons per hour.
  - (2) The allowable particulate emission rate from the scrap metal torching (EU 110) shall not exceed 2.03 pounds per hour when operating at a process weight rate of 0.35 tons per hour.

The pounds per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

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

This registration supersedes any previous air approvals 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  
Indianapolis, IN 46204

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.

Sincerely,

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

NJ/clb

cc: File - Scott County  
Scott County Health Department  
Air Compliance Inspector – Jennifer Schick  
Permit Tracking  
Technical Support and Modeling

## Registration Annual Notification

This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3)

<b>Company Name:</b>	<b>American Steel Cord, A Division of Hyosung (America), Inc.</b>
<b>Address:</b>	<b>1010 West Weir Road</b>
<b>City:</b>	<b>Scottsburg, IN 47170</b>
<b>Authorized individual:</b>	<b>Terry Swanner</b>
<b>Phone #:</b>	<b>803-909-5855</b>
<b>Registration #:</b>	<b>143-21617-00008</b>

I hereby certify that **American Steel Cord, A Division of Hyosung (America), Inc.** is still in operation and is in compliance with the requirements of Registration **143-21617-00008**

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



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Mr. Gustavo Diaz  
American Steel Cord, Division of  
Hyosung (American), Inc.  
P. O. Box 357  
Scottsburg, Indiana 47170

February 14, 2006

Re: 143-21701-00008  
Notice Only Change to  
Registration 143-21617-00008

Dear Mr. Diaz:

American Steel Cord, Division of Michelin North America, was issued a Registered Construction and Operation Status on August 26, 2005 for a wire drawing operation facility located at 1010 West Weir Road, Scottsburg, Indiana. A letter notifying the Office of Air Quality of a name change and owner change was received on August 26, 2005. The name changed from American Steel Cord, Division of Michelin North America to American Steel Cord, Division of Hyosung (American), Inc.

Based on the data submitted and the provisions in 326 IAS 2-5.5, it has been determined that the following wire drawing operation located at 1010 West Weir Road, Scottsburg, Indiana is classified as registered.

- (a) Two (2) natural gas fired steam boilers, identified as B01 and B02, each installed in 1990 with a maximum heat input rate of 2.93 million (MM) British thermal units (Btu) per hour, and each exhausting through stacks B01 and B02.
- (b) Two (2) natural gas fired steam boilers, identified as B03 and B04, each installed in 1990 with a maximum heat input rate of 1.255 million (MM) British thermal units (Btu) per hour, and each exhausting through stacks B03 and B04.
- (c) Six (6) natural gas fired unit heaters located at RT department, identified as GUH 1-6, and each with a maximum heat input rate of 0.2 MMBtu per hour.
- (d) Five (5) natural gas fired unit heaters located at RO Department, identified as GUH 7-11, and each with a maximum heat input rate of 0.165 MMBtu per hour.
- (e) One (1) natural gas fired unit heater located at small mechanical room, identified as GUH 12, and with a maximum heat input rate of 0.05 MMBtu per hour.
- (f) Four (4) natural gas fired unit heaters used for plating line tanks, identified as GUH 13-16, and each with a maximum heat input rate of 0.130 MMBtu per hour.
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- (h) Six (6) natural gas fired unit heaters located at RC department, identified as GUH 19-24, and each with a maximum heat input rate of 0.3 MMBtu per hour.
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- (j) One (1) natural gas fired unit heater located at main mechanical room, identified as GUH 29, with a maximum heat input rate of 0.130 MMBtu per hour.
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- (z) Two (2) storage tanks identified as EU 115 and 116 (storing sulfuric acid), each with a maximum storage capacity of 4,885 and 1,000 gallons, respectively.
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capacity of 725 and 1,500 gallons, respectively.

- (cc) Two (2) storage tanks identified as EU 122 and EU 126 (storing spent acid and copper, respectively), with a maximum storage capacity of 4,500 and 1,000 gallons, respectively.
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- (gg) One (1) scrap metal torching operation identified as EU 110, with a maximum process weight rate of 0.35 tons per hour.

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 the permit:
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  - (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.
- (b) Pursuant to 326 IAC 6-3-2 (Process Emissions Limitations from Manufacturing Processes):
  - (1) The allowable particulate emission rate from the dry draw lines (EU 4 through EU 11) shall not exceed 8.035 pounds per hour when operating at a process weight rate of 2.73 tons per hour.
  - (2) The allowable particulate emission rate from the scrap metal torching (EU 110) shall not exceed 2.03 pounds per hour when operating at a process weight rate of 0.35 tons per hour.
  - (1) The pounds per hour limitation was calculated using the following equation:  
  
Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:  
  
$$E = 4.10 P^{0.67}$$
 where E = rate of emission in pounds per hour and  
P = process weight rate in tons per hour

This registration supersedes any previous air approvals 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  
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.

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 Cynthia Bymaster, at (800) 451-6027, press 0 and ask for Cynthia Bymaster or extension ( 3-2641), or dial (317) 233-2641.

Sincerely,

Original Signed By:  
Nysa L. James, Section Chief  
Permits Branch  
Office of Air Quality

NLJ/clb

cc: File - Scott County  
Scott County Health Department  
Air Compliance Inspector – Jennifer Schick  
Permit Tracking  
Technical Support and Modeling