



*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: May 25, 2007  
RE: Eagle Metal Abrasives / 183-24682-00038  
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.*

Mitchell E. Daniels, Jr.  
Governor

Thomas W. Easterly  
Commissioner

100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
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May 25, 2007

Kirby L. Pierce  
Eagle Metal Abrasives, Inc.  
P.O. Box 432  
Columbia City, IN 46725

Re: Notice-Only Change No. 183-24682-00038  
Registered Construction and Operation Status

Dear Pierce:

Eagle Metal Abrasives, Inc. was issued a Registration No. 183-20479-00038 on March 18, 2005, for a stationary steel shot and grit manufacturing operation. On April 26, 2007, the Office of Air Quality (OAQ) received a letter from the source requesting that the registration be updated to indicate that the Authorized Individual is now Kirby L. Pierce. Based on this request, IDEM has updated its records.

IDEM has decided to make a change to procedures related to the Authorized Individual. IDEM will no longer list the name or title of the Authorized Individual in permits. Pursuant to 326 IAC 2-5.5-6, the registration is hereby revised.

Based on the data submitted and the provisions in 326 IAC 2-5.5, IDEM has determined that the following stationary steel shot and grit manufacturing operation, located at 2499-5 South, 600 East, Columbia City, Indiana 46725, is classified as registered:

- (a) Two (2) electric induction furnaces, identified as EU-EIF1 and EU-EIF2, constructed in 2005 with a maximum capacity of four (4) tons of metal per hour, each, controlled by a cyclone and baghouse, identified as CE-CB1, and exhausting to stack CB1.
- (b) One (1) natural gas-fired heat and quench furnace, identified as EU-Heat, constructed in 2005 with a maximum rated heat capacity of 1.58 million British thermal units per hour, controlled by a cyclone and baghouse, identified as CE-CB1, and exhausting to stack CB1.
- (c) One (1) electric screening machine, identified as EU-Screen1, constructed in 2005 with a maximum capacity of four (4) tons per hour, controlled by a cyclone and baghouse, identified as CE-CB1, and exhausting to stack CB1.
- (d) Three (3) electric rotary drum crushers, identified collectively as EU-Crush, constructed in 2005 with a maximum capacity of two (2) tons per hours, controlled by a baghouse, identified as CE-B2, and exhausting to stack B2.
- (e) Three (3) electric screening machines, identified collectively as EU-Screen2, constructed in 2005 with a maximum capacity of two (2) tons per hour, controlled by a baghouse, identified as CE-B2, and exhausting to stack B2.
- (f) One (1) electric screening machine, identified as EU-Screen3, constructed in 2005 with a maximum capacity of two (2) tons per hour, controlled by a cyclone and baghouse, identified as CE-CB1, and exhausting to stack CB1.

- (g) One (1) natural gas-fired tempering furnace, identified as EU-Temper, constructed in 2005 with a maximum rated heat capacity of 0.558 million British thermal units per hour, controlled by a cyclone and baghouse, identified as CE-CB1, and exhausting to stack CB1.
- (h) One (1) natural gas-fired shot dryer, identified as EU-Dryer, constructed in 2005 with a maximum rated heat capacity of 0.275 million British thermal units per hour, controlled by a cyclone and baghouse, identified as CE-CB1, and exhausting to stack CB1.

The following conditions shall be applicable:

- (1) 326 IAC 5-1 (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, unless otherwise stated in the permit:

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.

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) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)  
The particulate matter from EU-EUIF1, EU-EUIF2, EU-Dryer, EU-Screen1, EU-Heat, EU-Crush, EU-Screen2, EU-Temper, EU-Screen3, and material handling, combined, shall not exceed 10.38 pounds per hour when operating at a process weight of 4 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:

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

- (3) 326 IAC 6-4 (Fugitive Dust Emissions)  
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions), if fugitive dust is visible crossing the boundary or property line of the steel shoot and grit manufacturing plant, the source is in violation of the fugitive dust rule.

The source remains a registered source. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Indiana Department of Environmental Management (IDEM) Office of Air Quality (OAQ) 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 Nathan C. Bell at IDEM, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251, at 317-234-5372 or at 1-800-451-6027 (extension 4-5372).

Original signed by,

Nisha Sizemore, Chief  
Permits Branch  
Office of Air Quality

ncb

cc: File - Whitley County  
Whitley County Health Department  
Air Compliance - Ryan Hillman  
Permit Tracking  
Compliance Data Section  
Billing, Licensing, and Training - Dan Stamatkin

<b>Registration Annual Notification</b>
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This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3).

<b>Company Name:</b>	Eagle Metal Abrasives, Inc.
<b>Source Address:</b>	2499-5 South, 600 East, Columbia City, Indiana 46725
<b>General Source Phone Number:</b>	(260) 244-6160
<b>Registration Number:</b>	183-24682-00038

<b>Certification by the Authorized Individual</b>
I hereby certify that Eagle Metal Abrasives, Inc. is still in operation and is in compliance with the requirements of Registration No. 183-24682-00038.
<b>Name (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>
<b>Phone Number:</b>