



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

TO: Interested Parties / Applicant

DATE: December 3, 2008

RE: Joe W. Morgan, Inc / 163-27002-00071

FROM: Matthew Stuckey, Branch 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, Suite N 501E, 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.dot12/3/07



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Mr. John MacLeod
Joe W. Morgan, Inc.
P.O. Box 928
Evansville, IN 47706-2268

December 3, 2008

Re: Registration Notice-Only Change
No. 163-27002-00071

Dear Mr. MacLeod:

Intrametco Processing Inc. was issued a Registration No. R163-26173-00071 on April 25, 2008 for a stationary secondary aluminum processing plant located at 1901 West Louisiana, Evansville, Indiana 47710. On September 18, 2008, the Office of Air Quality (OAQ) received an application from the source requesting that the registration be updated to indicate a change in ownership, mailing address, source location and company name change to Joe W. Morgan, Inc. The application also requested that the permit be updated to indicate an addition of a dust collector to the primary scrap shredder and the SIC code change to indicate that the source is a wholesale distribution of scrap and waste materials. These changes to the registration are considered a notice-only change pursuant to 326 IAC 2-5.5-6(d). Pursuant to 326 IAC 2-5.5-6, the registration is hereby revised as follows, with deleted language as ~~strikeouts~~ and new language **bolded**:

- (1) The mailing address, phone number including the source address have been changed for source administrative purposes only, but the physical location of the processing facilities have not changed. The SIC code and source description also have been changed to better reflect source operation. Therefore, the Section A.1 - general information has been updated as follows:

A.1 General Information

The Registrant owns and operates a stationary ~~secondary~~ aluminum **scrap** processing plant.

Source Address: 1901 West Louisiana, Evansville, Indiana 47710-**2268**
Mailing Address: P.O. Box ~~364~~ **928**, Evansville, Indiana 47703 ~~3~~ **6-2268**
General Source Phone Number: (812) 423 - ~~5944~~ **6219**
SIC Code: ~~3344~~ **5093**

- (2) The company name, mailing address, phone number, in the annual notification have been changed as follows:

Company Name:	Intrametco Processing, Inc. Joe W. Morgan, Inc.
Address:	1901 West Louisiana
City:	Evansville, Indiana 47710
Phone Number:	(812) 423 - 5944 6219

I hereby certify that Intrametco Processing, Inc. Joe W. Morgan, Inc. is :	<input type="checkbox"/> still in operation. <input type="checkbox"/> no longer in operation.
I hereby certify that Intrametco Processing, Inc. Joe W. Morgan, Inc. is :	<input type="checkbox"/> in compliance with the requirements of Registration No. 163-26173-00071. <input type="checkbox"/> not in compliance with the requirements of Registration No. 163-26173-00071.

- (3) The process weight rate has been corrected for typographical error in Section A.2 and a dust collector has been added to the primary scrap shredder in Sections A.2 and D.1 as follows:

A.2 Emission Units and Pollution Control Equipment Summary

-
- (a) One (1) primary scrap shredder (identified as EU04), with a maximum capacity of ~~350~~ **3.50** tons of aluminum scrap per hour, **using a dust collector for particulate control and exhausting inside the building.** This unit was constructed in 1981 **and approved for modification in 2008.** ~~There is no process control equipment associated with this primary scrap aluminum shredder.~~

SECTION D.1

Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

- (a) One (1) primary scrap shredder (identified as EU04), with a maximum capacity of 3.50 tons of aluminum scrap per hour **using a dust collector for particulate control and exhausting inside the building.** This unit was constructed in 1981 **and approved for modification in 2008.** ~~There is no process control equipment associated with this primary scrap aluminum shredder.~~

The source shall continue to operate according to 326 IAC 2-5.5. Please find enclosed the revised registration. A copy of the registration is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

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 Ms. Renee Traivaranon at (800) 451-6027, press 0 and ask for Renee Traivaranon or extension 4-5615, or dial (317) 234-5615.

Sincerely,

Original Signed by:

Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

IC/rt

Attachments

cc: File - Vanderburgh County
Vanderburgh County Health Department
Air Compliance Section
IDEM Southwest Regional Office
Evansville Environmental Protection Agency
Compliance Data Section
Permits Administrative and Development
Billing, Licensing and Training Section



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REGISTRATION OFFICE OF AIR QUALITY and EVANSVILLE ENVIRONMENTAL PROTECTION AGENCY

Joe W. Morgan, Inc.
1901 West Louisiana St.
Evansville, Indiana 47710-2268

Pursuant to 326 IAC 2-5.1 (Construction of New Sources: Registrations) and 326 IAC 2-5.5 (Registrations), (herein known as the Registrant) is hereby authorized to construct and operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this registration.

Registration No. R163-26173-00071	
Original signed by: Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: April 25, 2008

First Registration Notice-Only Change No. 163-27002-00071	
Issued by: <i>Original Signed by:</i> Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: December 3, 2008

SECTION A

SOURCE SUMMARY

This registration is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) and Evansville Environmental Protection Agency. The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Registrant should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Registrant to obtain additional permits pursuant to 326 IAC 2.

A.1 General Information

The Registrant owns and operates a stationary aluminum scrap processing plant.

Source Address:	1901 West Louisiana, Evansville, Indiana 47710-2268
Mailing Address:	P.O. Box 928, Evansville, Indiana 47706-2268
General Source Phone Number:	(812) 423 - 6219
SIC Code:	5093
County Location:	Vanderburgh County
Source Location Status:	Attainment for 8-hour ozone standard Nonattainment for PM 2.5 standard Attainment for all other criteria pollutants
Source Status:	Registration

A.2 Emission Units and Pollution Control Equipment Summary

This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) primary scrap shredder (identified as EU04), with a maximum capacity of 3.50 tons of aluminum scrap per hour, using a dust collector for particulate control and exhausting inside the building. This unit was constructed in 1981 and approved for modification in 2008.
- (b) One (1) auxiliary scrap shredder (identified as EU05), with a maximum capacity of 1.75 tons of aluminum scrap per hour. This unit was installed in 1997. There is no process control equipment associated with this auxiliary scrap aluminum shredder.

SECTION B

GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

Terms in this registration shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

B.2 Effective Date of Registration [IC 13-15-5-3]

Pursuant to IC 13-15-5-3, this registration is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

B.3 Registration Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation), this registration to operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this registration.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this registration.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this registration shall not require revocation of this registration.
- (d) For any cause which establishes in the judgment of IDEM and Evansville Environmental Protection Agency, the fact that continuance of this registration is not consistent with purposes of this article.

B.4 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to Registration No. 163-26173-00071 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this registration.

B.5 Annual Notification [326 IAC 2-5.1-2(f)(3)] [326 IAC 2-5.5-4(a)(3)]

Pursuant to 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3):

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this registration.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 46204-2251

And

Evansville EPA
C.K. Newsome Community Center
100 East Walnut Street, Suite 100
Evansville, IN 47713
Telephone Number: 812-435-6145
Facsimile Number: 812-435-6155

- (c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ and Evansville Environmental Protection Agency on or before the date it is due.

B.6 Source Modification Requirement [326 IAC 2-5.5-6(a)]

Pursuant to 326 IAC 2-5.5-6(a), 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.

B.7 Registrations [326 IAC 2-5.1-2(i)]

Pursuant to 326 IAC 2-5.1-2(i), this registration does not limit the source's potential to emit.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-5.1-2(g)] [326 IAC 2-5.5-4(b)]

C.1 Opacity [326 IAC 5-1]

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, unless otherwise stated in this registration:

- (a) Opacity shall not exceed an average of thirty percent (30%) 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.

C.2 Fugitive Dust Emissions [326 IAC 6-4]

The Registrant 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).

SECTION D.1

OPERATION CONDITIONS

Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

(a) One (1) primary scrap shredder (identified as EU04), with a maximum capacity of 3.50 tons of aluminum scrap per hour, using a dust collector for particulate control and exhausting inside the building. This unit was constructed in 1981 and approved for modification in 2008.

(b) One (1) auxiliary scrap shredder (identified as EU05), with a maximum capacity of 1.75 tons of aluminum scrap per hour. This unit was installed in 1997. There is no process control equipment associated with this auxiliary scrap aluminum shredder.

(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 [326 IAC 2-5.1-2(f)(1)] [326 IAC 2-5.5-4(a)(1)]

D.1.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from the aluminum scrap shredders shall not exceed the pound per hour allowable emission rate as shown in the following table:

Emission Units	Process Weight Rate		Allowable Particulate Emission Rate (lbs/hour)
	(tons/hour)	(lbs/hour)	
One (1) Primary Aluminum Scrap Shredder	3.50	7,000	9.49
One (1) Auxiliary Scrap Shredder	1.75	3,500	5.97

The pound per hour allowable emission rate 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:

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

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
and
Evansville Environmental Protection Agency**

**REGISTRATION
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3).

Company Name:	Joe W. Morgan, Inc.
Address:	1901 West Louisiana
City:	Evansville, Indiana 47710
Phone Number:	(812) 423 - 6219
Registration No.:	163-26173-00071

I hereby certify that Joe W. Morgan, Inc. is :	<input type="checkbox"/> still in operation. <input type="checkbox"/> no longer in operation.
I hereby certify that Joe W. Morgan, Inc. is :	<input type="checkbox"/> in compliance with the requirements of Registration No. 163-26173-00071. <input type="checkbox"/> not in compliance with the requirements of Registration No. 163-26173-00071.

Authorized Individual (typed):
Title:
Signature:
Phone Number:
Date:

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

Noncompliance:

Appendix A: Emission Calculations

Company Name: Joe W. Morgan, Inc
Address City IN Zip: 1901 West Louisiana, Evansville, Indiana 47710
Permit Number: 163-27002-00071
Reviewer: Renee Traivaranon
Date: December 2, 2008

Emission Unit	Maximum Throughput (tons/hour)	* Emission Factor PM/PM10 (lb/ton)	PTE of PM/PM10		Particulate Emission Limit (lbs/hour)
			(lbs/hour)	(tons/year)	
Shredder, EU04	3.50	0.57	2.00	8.74	9.49

* There are no PM/PM10 emission factors for a scrap shredder. Therefore, PM/PM10 emission factor is taken from a past certificate issued to the source by the Office of Evansville Environmental Protection Agency .

METHODOLOGY

PTE of PM/PM10 (lbs/hour) = Maximum Throughput (tons/hour) * Emission Factor (lb/ton)

PTE of PM/PM10 (tons/year) = Maximum Throughput (tons/hour) * Emission Factor (lb/ton) * 8760 hours/year * 1 ton/2000 lbs

OR

Unit ID	Control Efficiency (%)	Grain Loading per Actual Cubic foot of Outlet Air (grains/cub. ft.)	Gas or Air Flow Rate (acfm.)	Emission Rate before Controls (lb/hr)	Emission Rate before Controls (tons/yr)	Emission Rate after Controls (lb/hr)	Emission Rate after Controls (tons/yr)
EU-04	98.0%	0.001	7000	3	13	0.06	0.26

Methodology

Emission Rate in lbs/hr (after controls) = (grains/cub. ft.) (sq. ft.) ((cub. ft./min.)/sq. ft.) (60 min/hr) (lb/7000 grains)

Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)

Emission Rate in lbs/hr (before controls) = Emission Rate (after controls): (lbs/hr)/(1-control efficiency)

Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)