



# 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](http://www.idem.IN.gov)

TO: Interested Parties / Applicant

DATE: July 16, 2009

RE: Whiting Metals, LLC / 089-28091-00262

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



## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Mr. Alex Gross  
Whiting Metals, LLC  
P.O. Box 482  
Whiting, Indiana 46394

July 16, 2009

Re: 089-28091-00262  
Second Notice-Only Change to  
M089-21474-00262 and  
Incorporated R089-16715-00445

Dear Mr. Gross:

Northern Indiana Metals, LLC dba Saxon Metals, Inc. was issued a Minor Source Operating Permit (MSOP) Renewal No. 089-21474-00262 on August 10, 2007 for a stationary secondary nonferrous metals plant located at 2230 Indianapolis Boulevard, Hammond, Indiana 46394. On June 10, 2009, and June 15, 2009, the Office of Air Quality (OAQ) received an application and additional information from the source requesting that the permit be updated to indicate a change in company name to Whiting Metals, LLC and to remove local agency requirements.

On June 19, 2009, the Office of Air Quality (OAQ) received another application from Whiting Metals, LLC, requesting that a registration 089-16715-00445, issued on January 24, 2003 for metal detinning process, be updated to indicate a change of the company name from Northern Indiana Metals dba Accurate Metals Detinning to Whiting Metals, LLC and to remove five (5) units of mixers and burners from the source.

Upon further evaluation, IDEM determined that the existing units permitted under the Registration No. 089-16715-00445 needed to be incorporated into the MSOP No. 089-21474-00262 since all the operation is owned and operated by the same owner, Whiting Metals, LLC. The MSOP issued to this source supersedes the registration.

Also, the local agencies no longer have effective authority to implement state and federal requirements for IDEM. Therefore, IDEM has removed all references to local agencies from the permit. The revised MSOP specifies that all reports, notices, applications, and any other required submittals shall be submitted to IDEM. The Permittee should note that the local agency could have its own requirements beyond the state and federal requirements contained in the permit. Please contact the local agency for further information.

These changes to the permit are considered a notice-only change pursuant to 326 IAC 2-6.1-6(d). Pursuant to the provisions of 326 IAC 2-6.1-6, the permit is hereby revised as follows with the deleted language as ~~strikeouts~~ and new language **bolded**.

- (1) The source name, source addresses, and general phone number, in the permit including all report forms have been revised as follows:

Source Name: ~~Northern Indiana Metals, LLC dba Saxon Metals, Inc.~~  
**Whiting Metals, LLC**

Source Address: 2230 Indianapolis Boulevard, ~~Whiting~~ **Hammond**, Indiana 46394  
Mailing Address: P.O. Box 9 482  
~~2230 Indianapolis Boulevard, Whiting, Indiana 4632594~~  
General Source Phone: ~~(219) 659-2600~~ **(219) 659-6955**

- (2) Currently Lake Country is designed as nonattainment for both the eight-hour National Ambient Air Quality Standard for ozone and one-hour National Ambient Air quality Standard for ozone, therefore, the General Information for the source location status has been revised as follows:

A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

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County Location: Lake  
Source Location Status: Attainment/Unclassifiable for PM10, SO<sub>2</sub>, CO, NO<sub>2</sub> and Lead,  
Nonattainment for PM2.5; and ~~8-hour~~ ozone,

- (3) All references to local agencies have been removed from the permit.
- (4) Several of IDEM's branches and sections have been renamed. Therefore, IDEM has updated the addresses listed in the permit. References to "Permit Administration and Development Section" and the "Permits Branch" have been changed to "Permit Administration and Support Section". References to "Asbestos Section", "Compliance Data Section", "Air Compliance Section", and "Compliance Branch" have been changed to "Compliance and Enforcement Branch". The permit has been revised as follows:

Indiana Department of Environmental Management  
**Permit Administration and Support Section**, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

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

- (5) The conditions B.18 and D.1.3 have been revised to clarify the requirements and information as follows:

B.18 Annual Fee Payment [326 IAC 2-1.1-7]

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- (a) The Permittee shall pay annual fees to ~~IDEM~~ **IDEM, OAQ** within thirty (30) calendar days of receipt of a billing.
- (b) The Permittee may call the following telephone number: ~~219-853-6306~~ **1-800-451-6207 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section)**, to determine the appropriate permit fee.

### D.1.3 Particulate Control

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- (a) Pursuant to OP# 01601, issued on February 11, 2000, **To comply with the conditions D.1.1**, the American Air Bag Filter Dust Collector System for PM control shall be in operation at all times when the furnaces and melt kettles are in operation. All pot and furnace hoods and ductwork to the baghouse shall be considered part of the American Air Bag Filter Dust Collector emission control system and shall be inspected daily to assure that all hoods are situated properly and maintaining sufficient draft to the baghouse.
- (6) The following local agency requirements have been removed from the permit and all following conditions have been re-numbered:

### ~~C.17 Annual Emission Inventory [Hammond Ordinance No. 7102]~~

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- ~~(a) The Permittee shall submit an annual emission inventory containing production information and/or fuel usage for each permitted unit. The emission inventory must be received by April 15<sup>th</sup> of each year. The submittal should cover the twelve (12) consecutive month time period starting January 1 and ending December 31. This is a local requirement only. The emission inventory must be submitted to:~~

~~Hammond Department of Environmental Management  
Air Pollution Control Division  
5925 Calumet Avenue - Room 304  
Hammond, Indiana 46320~~

~~This inventory does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

- ~~(b) The emission inventory required by this permit 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 HDEM on or before the date it is due.~~

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~~D.1.2 Lead (Pb) [Hammond Air Quality Control Ordinance No. 3522 (as amended)]~~

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~~Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended), the Pb emissions limit for this facility shall not exceed 0.00045 lbs/hr and 0.002 tons per year. This is local agency enforceable only.~~

### ~~D.1.7 Baghouse Inspections~~

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~~An inspection shall be performed each week of all bags controlling the Zinc Die Cast and Solder Lead Alloying Processes. All defective bags shall be replaced. This is a local requirement only.~~

### D.1.97 Record Keeping Requirements

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- (a) To document compliance with Conditions D.1.1 and D.1.2, the Permittee shall record and maintain the following information:
- (1) Daily production data of material processed (in tons) for the Sweat Furnaces (F-1, F-2, and F-3) and the Melt Kettles.
  - (2) Monthly fuel usage data for Sweat Furnaces (F-1, F-2, and F-3), the Holding Kettles, and Melt Kettles.

~~(3) Weekly inspection and maintenance activities performed on the American Air Bag Filter Dust Collector System.~~

~~These are local requirements only.~~

- (ba) To document compliance with Condition D.1.54, the Permittee shall maintain records of daily visible emission notations of the stack exhaust S-BH. ....
- (eb) To document compliance with Condition D.1.65, the Permittee shall maintain a daily record of the pressure drop across the American Air Bag Filter Dust Collector System .....
- (dc) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.10 Reporting Requirements

~~A summary of the information to document compliance with Conditions D.1.1 and D.1.2 shall be submitted to the HDEM listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, upon request. This is a local requirement only.~~

(7) The following report forms have also been removed from the MSOP No. 089-21474-00262:

Hammond Department of Environmental Management  
**Air Pollution Control Division**  
**Daily Production Data**

Company Name: Northern Indiana Metals, LLC dba Saxon Metals, Inc.  
 Location: 2230 Indianapolis Blvd., Whiting, IN 46394  
 Permit No.: MSOP 089-21474-00262

Month: \_\_\_\_\_ Year: \_\_\_\_\_

	Solder and Lead Alloys			Zinc Die Cast Alloys		
	Sweat Furnace F-3	Kettle Refining K6, K10, K11 & K15-K17	Casting	Sweat Furnaces F-1 & F-2	Kettle Refining K2, K3, & K4	Casting
Date						
Production (Tons)						
Hours of Operation						
Date						
Production (Tons)						
Hours of Operation						
Date						
Production (Tons)						
Hours of Operation						

Date						
Production (Tons)						
Hours of Operation						
Date						
Production (Tons)						
Hours of Operation						

Submitted by: \_\_\_\_\_  
 Title/Position: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

Hammond Department of Environmental Management  
**Air Pollution Control Division**

**Fuel Usage Report**

Company Name: Northern Indiana Metals, LLC dba Saxon Metals, Inc.  
 Location: 2230 Indianapolis Blvd., Whiting, IN 46394  
 Permit No.: MSOP 089-21474-00262  
 Parameter: Natural gas usage for entire plant.

Month: \_\_\_\_\_ Year: \_\_\_\_\_

Month/Year	Quantity of Natural Gas used (cuft)

Submitted by: \_\_\_\_\_  
 Title/Position: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

Hammond Department of Environmental Management  
**Air Pollution Control Division**  
**Baghouse Inspection and Maintenance Records**

\_\_\_\_\_  
 Company Name: Northern Indiana Metals, LLC dba Saxon Metals, Inc.  
 Location: 2230 Indianapolis Blvd., Whiting, IN 46394  
 Permit No.: MSOP 089-21474-00262

Month: \_\_\_\_\_ Year: \_\_\_\_\_

Date	Employee Name	Summary of Inspection

Submitted by: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

- (8) The emissions description from the registration have been revised and added to Sections A.2 and D.2 of MSOP 089-21474-00262 as follows:

A.2 Emissions Units and Pollution Control Equipment Summary

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3. ~~This batch-type process involves~~ the reclamation of tin-coated brass punchings through agitation in one (1) of ~~ten (10)~~ **five (5)** rotary mixers containing heated caustic solution. Each mixer is equipped with a 0.4 MMBtu/hr natural gas burner to heat the caustic solution. Particulate emissions generated while unloading detinned brass punchings from the mixers into shipping containers shall be controlled by one (1) of three (3) portable Dust Collectors with manufacturer's rated control efficiency of 99.9% each. The maximum design rate of the process is 12 tons per year hour.

**SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

**The reclamation of tin-coated brass punchings through agitation in one (1) of five (5) rotary mixers containing heated caustic solution. Each mixer is equipped with a 0.4 MMBtu/hr natural gas burner to heat the caustic solution. Particulate emissions generated while unloading detinned brass punchings from the mixers into shipping containers shall be controlled by one (1) of three (3) portable Dust Collectors with manufacturer's rated control efficiency of 99.9% each. The maximum design rate of the process is 12 tons per hour.**

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

- (9) The particulate matter (PM) requirements have been revised and added to the Conditions D. 2.1, D.2.2 and D.2.3 of the MSOP as follows:

**Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]**

**D.2.1 Particulate Matter (PM) [326 IAC 6.8-1-2(a)]**

Pursuant to 326 IAC 6.8-1-2(a) (Nonattainment Area Particulate Limitations), particulate matter (PM) emissions shall be limited to 0.03 grain per dry standard cubic foot of exhaust air for the unloading process.

**D.2.2 Preventive Maintenance Plan [326 IAC 1-6-3]**

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and their emission control device.

**Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]**

**D.2.3 Particulate Control**

In order to comply with condition D.2.1, the portable Dust Collector for particulate control shall be in operation and control emissions from the unloading process at all times while the process is in operation.

All other conditions of the MSOP No. 089-21474-00262 shall remain unchanged and in effect. Attached please find the entire revised permit. A copy of the permit 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](http://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 of my staff at 317-234-5615 or 1-800-451-6027, and ask for extension 4-5615.

Sincerely,



Iryn Calilung, Section Chief  
Permits Branch  
Office of Air Quality

**Attachments**

IC/rt

cc: File - Lake County  
Lake County Health Department  
U.S. EPA, Region V  
Compliance and Enforcement Branch  
Billing, Licensing and Training Section



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## MINOR SOURCE OPERATING PERMIT RENEWAL

### INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

**Whiting Metals, LLC**  
**2230 Indianapolis Boulevard**  
**Hammond, Indiana 46394**

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

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a MSOP under 326 IAC 2-6.1.

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 089-21474-00262

Original signed by:

Ronald L. Novak, Director  
Hammond Department of Environmental Management

Issuance Date: August 10, 2007

Expiration Date: August 10, 2017

First Notice-Only Change No. 089-25769-00262, issued on March 17, 2008

Second Notice-Only Change No. 089-28091-00262

Page Affected: Entire Permit

Issued by:

Iryn Calilung, Section Chief  
Permits Branch  
Office of Air Quality

Issuance Date: July 16, 2009

Expiration Date: August 10, 2017

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	<b>Air Pollutants for Secondary Nonferrous Metals Processing Area Sources</b>	

## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Permittee 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 Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

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The Permittee owns and operates a stationary secondary nonferrous metals plant.

Source Address: 2230 Indianapolis Boulevard, Hammond, Indiana 46394  
Mailing Address: P.O. Box 482, Whiting, Indiana 46394  
General Source Phone: (219) 659-6955  
SIC Code: 3341 – Secondary Nonferrous Metals  
County Location: Lake  
Source Location Status: Attainment/Unclassifiable for PM10, SO<sub>2</sub>, CO, NO<sub>2</sub> and Lead,  
Nonattainment for PM2.5 and ozone,  
Source Status: Minor Source Operating Permit Program  
Minor Source, under PSD, Nonattainment NSR, and Emission Offset Rules;  
Minor Source, Section 112 of the Clean Air Act; and  
Not 1 of 28 Source Categories

### A.2 Emissions Units and Pollution Control Equipment Summary

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The stationary source consists of the following emissions units and pollution control device:

1. The Zinc Die Cast Alloying Process, with a maximum design rate of 4.75 T/hr, is used to reclaim zinc from scrap. Natural gas-fired furnaces and kettles are used to reclaim zinc. After melting they are cast into bars. The process is a batch-type operation consisting of the following:
  - (a) Reverberatory Sweat Furnace, identified as F-1, with a maximum design rate of 0.15 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH. Under 40 CFR 63, Subpart TTTTTT, this is considered an existing, secondary nonferrous metals processing facility. [40 CFR 63, Subpart TTTTTT]
  - (b) Reverberatory Sweat Furnace, identified as F-2, with a maximum design rate of 0.2 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH. Under 40 CFR 63, Subpart TTTTTT, this is considered an existing, secondary nonferrous metals processing facility. [40 CFR 63, Subpart TTTTTT]
  - (c) Melting and/or Refining Kettle, identified as K2, with a maximum design rate of 1.5 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH. Under 40 CFR 63, Subpart TTTTTT, this is considered an existing, secondary nonferrous metals processing facility. [40 CFR 63, Subpart TTTTTT]
  - (d) Melting and/or Refining Kettle, identified as K3, with a maximum design rate of 1.45 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH. Under 40 CFR 63, Subpart TTTTTT, this is considered an existing, secondary nonferrous metals processing facility. [40 CFR 63, Subpart TTTTTT]
  - (e) Melting and/or Refining Kettle, identified as K4, with a maximum design rate of 1.45 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH. Under 40 CFR 63, Subpart TTTTTT, this is considered an existing, secondary nonferrous metals processing facility. [40 CFR 63, Subpart TTTTTT]

- (f) Holding Kettle, identified as K19, used with Furnace F-1, with a maximum design capacity of 0.2 MMBtu/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1996, and exhausting to stack S-BH.
  - (g) Holding Kettle, identified as K20, used with Furnace F-2, with a maximum design capacity of 0.2 MMBtu/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1996, and exhausting to stack S-BH.
2. The Solder Lead Alloying Process, with a maximum design rate of 3.25 T/hr, is used to reclaim lead from scrap. Natural gas-fired furnaces and kettles are used to reclaim lead. After melting they are cast into bars. The process is a batch-type operation consisting of the following:
- (a) Reverberatory Sweat Furnace, identified as F-3, with a maximum design rate of 0.2 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1998, and exhausting to stack S-BH.
  - (b) Sweat Kettle, identified as K6, with a maximum design rate of 1.8 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1990, and exhausting to stack S-BH.
  - (c) Sweat Kettle, identified as K10, with a maximum design rate of 0.05 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1990, and exhausting to stack S-BH.
  - (d) Sweat Kettle, identified as K11, with a maximum design rate of 0.05 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1990, and exhausting to stack S-BH.
  - (e) Sweat Kettle, identified as K15, with a maximum design rate of 0.05 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1990, and exhausting to stack S-BH.
  - (f) Sweat Kettle, identified as K16, with a maximum design rate of 0.05 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1990, and exhausting to stack S-BH.
  - (g) Sweat Kettle, identified as K17, with a maximum design rate of 0.05 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1990, and exhausting to stack S-BH.
  - (h) Melting and/or Refining Kettle, identified as K12, with a maximum design rate of 0.3 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH.
  - (i) Melting and/or Refining Kettle, identified as K13, with a maximum design rate of 0.3 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH.
  - (j) Melting and/or Refining Kettle, identified as K14, with a maximum design rate of 0.4 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH.
  - (k) Holding Kettle, identified as K21, with a maximum design capacity of 0.2 MMBtu/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1998, and exhausting to stack S-BH.

The furnaces and kettles use natural gas only and have a combined maximum design capacity of 18.6 MMBTU/hr. Particulate emissions from the furnaces and melt kettles are drafted to an American Air Bag Filter Dust Collector System.

3. The reclamation of tin-coated brass punchings through agitation in one (1) of five (5) rotary mixers containing heated caustic solution. Each mixer is equipped with a 0.4 MMBtu/hr natural gas burner to heat the caustic solution. Particulate emissions generated while unloading detinned brass punchings from the mixers into shipping containers shall be controlled by one (1) of three (3) portable Dust Collectors with manufacturer's rated control efficiency of 99.9% each. The maximum design rate of the process is 12 tons per hour.

## **SECTION B GENERAL CONDITIONS**

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

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Terms in this permit 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 Permit Term [326 IAC 2-6.1-7(a)] [326 IAC 2-1.1-9.5] [IC 13-15-3-6(a)]**

- 
- (a) This permit, MSOP 089-21474-00262, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

### **B.3 Term of Conditions [326 IAC 2-1.1-9.5]**

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Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

### **B.4 Enforceability**

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Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

### **B.5 Severability**

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The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

### **B.6 Property Rights or Exclusive Privilege**

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This permit does not convey any property rights of any sort or any exclusive privilege.

### **B.7 Duty to Provide Information**

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- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

### **B.8 Certification**

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- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

**B.9 Annual Notification [326 IAC 2-6.1-5(a)(5)]**

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- (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 permit.
- (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 and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, IN 46204-2251
- (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, on or before the date it is due.

**B.10 Preventive Maintenance Plan [326 IAC 1-6-3]**

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- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:
  - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

**B.11 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

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- (a) All terms and conditions of permits established prior to MSOP 089-21474-00262 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 permit.

**B.12 Termination of Right to Operate [326 IAC 2-6.1-7(a)]**

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The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least ninety (90) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

**B.13 Permit Renewal [326 IAC 2-6.1-7]**

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- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
- (1) Submitted at least ninety (90) days prior to the date of the expiration of this permit; and
  - (2) 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 is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

**B.14 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]**

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- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.

- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

**B.15 Source Modification Requirement**

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A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

**B.16 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)] [IC 13-14-2-2] [IC13-17-3-2] [IC 13-30-3-1]**

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Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the

information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.17 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

B.18 Annual Fee Payment [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing.
- (b) The Permittee may call the following telephone number: 1-800-451-6207 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.19 Credible Evidence [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source

### Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

#### C.1 Permit Revocation [326 IAC 2-1.1-9]

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

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (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 permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

#### C.2 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 permit:

- (a) Opacity shall not exceed an average of twenty percent (20%) 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 non-overlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

#### C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

#### C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

#### C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee 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).

#### C.6 Fugitive Dust Emissions [326 IAC 6.8-10-3]

Pursuant to 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:

- (a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).
- (b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).
- (c) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).
- (d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.
- (e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.
- (f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.
- (g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).
- (h) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.
- (i) The PM10 emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
- (j) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).
- (k) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

#### C.7 Stack Height [326 IAC 1-7]

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The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted by using good engineering practices (GEP) pursuant to 326 IAC 1-7-3.

#### C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
  - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
  - (2) If there is a change in the following:
    - (A) Asbestos removal or demolition start date;

- (B) Removal or demolition contractor; or
- (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

## Testing Requirements

### C.9 Performance Testing [326 IAC 3-6]

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- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ, of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ, not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

### **Compliance Requirements [326 IAC 2-1.1-11]**

#### **C.10 Compliance Requirements [326 IAC 2-1.1-11]**

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The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U.S. EPA.

### **Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]**

#### **C.11 Compliance Monitoring [326 IAC 2-1.1-11]**

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Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

#### **C.12 Monitoring Methods [326 IAC 3][40 CFR 60][40 CFR 63]**

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Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60, Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

#### **C.13 Instrument Specifications [326 IAC 2-1.1-11]**

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- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ, approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

### **Corrective Actions and Response Steps**

#### **C.14 Response to Excursions or Exceedances**

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- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
  - (1) initial inspection and evaluation;
  - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

- (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
  - (1) monitoring results;
  - (2) review of operation and maintenance procedures and records;
  - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
  - (1) monitoring data;
  - (2) monitor performance data, if applicable; and
  - (3) corrective actions taken.

**C.15 Actions Related to Noncompliance Demonstrated by a Stack Test**

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to non-compliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]**

**C.16 Malfunctions Report [326 IAC 1-6-2]**

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Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.

- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.17 General Record Keeping Requirements [326 IAC 2-6.1-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.18 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

- (a) Reports required by conditions in Section D of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit 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, on or before the date it is due.
- (c) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

## SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

1. The Zinc Die Cast Alloying Process, with a maximum design rate of 4.75 T/hr, is used to reclaim zinc from scrap. Natural gas-fired furnaces and kettles are used to reclaim zinc. After melting they are cast into bars. The process is a batch-type operation consisting of the following:
  - (a) Reverberatory Sweat Furnace, identified as F-1, with a maximum design rate of 0.15 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH.
  - (b) Reverberatory Sweat Furnace, identified as F-2, with a maximum design rate of 0.2 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH.
  - (c) Melting and/or Refining Kettle, identified as K2, with a maximum design rate of 1.5 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH.
  - (d) Melting and/or Refining Kettle, identified as K3, with a maximum design rate of 1.45 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH.
  - (e) Melting and/or Refining Kettle, identified as K4, with a maximum design rate of 1.45 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH.
  - (f) Holding Kettle, identified as K19, used with Furnace F-1, with a maximum design capacity of 0.2 MMBtu/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1996, and exhausting to stack S-BH.
  - (g) Holding Kettle, identified as K20, used with Furnace F-2, with a maximum design capacity of 0.2 MMBtu/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1996, and exhausting to stack S-BH.
  
2. The Solder Lead Alloying Process, with a maximum design rate of 3.25 T/hr, is used to reclaim lead from scrap. Natural gas-fired furnaces and kettles are used to reclaim lead. After melting they are cast into bars. The process is a batch-type operation consisting of the following:
  - (a) Reverberatory Sweat Furnace, identified as F-3, with a maximum design rate of 0.2 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1998, and exhausting to stack S-BH.
  - (b) Sweat Kettle, identified as K6, with a maximum design rate of 1.8 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1990, and exhausting to stack S-BH.
  - (c) Sweat Kettle, identified as K10, with a maximum design rate of 0.05 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1990, and exhausting to stack S-BH.
  - (d) Sweat Kettle, identified as K11, with a maximum design rate of 0.05 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1990, and exhausting to stack S-BH.
  - (e) Sweat Kettle, identified as K15, with a maximum design rate of 0.05 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1990, and exhausting to stack S-BH.
  - (f) Sweat Kettle, identified as K16, with a maximum design rate of 0.05 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1990, and exhausting to stack S-BH.
  - (g) Sweat Kettle, identified as K17, with a maximum design rate of 0.05 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1990, and exhausting to stack S-BH.

- (h) Melting and/or Refining Kettle, identified as K12, with a maximum design rate of 0.3 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH.
- (i) Melting and/or Refining Kettle, identified as K13, with a maximum design rate of 0.3 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH.
- (j) Melting and/or Refining Kettle, identified as K14, with a maximum design rate of 0.4 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH.
- (k) Holding Kettle, identified as K21, with a maximum design capacity of 0.2 MMBtu/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1998, and exhausting to stack S-BH.

The furnaces and kettles use natural gas only and have a combined maximum design capacity of 18.6 MMBTU/hr. Particulate emissions from the furnaces and melt kettles are drafted to an American Air Bag Filter Dust Collector System.

(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 2-6.1-5(a)(1)]**

### **D.1.1 Particulate Matter (PM) [326 IAC 6.8-1-2(a)]**

Pursuant to 326 IAC 6.8-1-2(a) (formerly 326 IAC 6-1-2(a)) (Nonattainment Area Particulate Limitations), particulate matter (PM) emissions shall be limited to 0.03 grain per dry standard cubic foot of exhaust air for the following emissions units:

The Zinc Die Cast Alloying Process:

- (a) Reverberatory Sweat Furnace F-1
- (b) Reverberatory Sweat Furnace F-2
- (c) Melting and/or Refining Kettle K2
- (d) Melting and/or Refining Kettle K3
- (e) Melting and/or Refining Kettle K4
- (f) Holding Kettle K19
- (g) Holding Kettle K20

The Solder Lead Alloying Process:

- (a) Reverberatory Sweat Furnace F-3
- (b) Sweat Kettle K6
- (c) Sweat Kettle K10
- (d) Sweat Kettle K11
- (e) Sweat Kettle K15
- (f) Sweat Kettle K16
- (g) Sweat Kettle K17
- (h) Melting and/or Refining Kettle K12
- (i) Melting and/or Refining Kettle K13
- (j) Melting and/or Refining Kettle K14
- (k) Holding Kettle K21

### **D.1.2 Preventive Maintenance Plan [326 IAC 1-6-3]**

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and their emission control device.

## Compliance Determination Requirements

### D.1.3 Particulate Control

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- (a) To comply with the conditions D.1.1, the American Air Bag Filter Dust Collector System for PM control shall be in operation at all times when the furnaces and melt kettles are in operation. All pot and furnace hoods and ductwork to the baghouse shall be considered part of the American Air Bag Filter Dust Collector emission control system and shall be inspected daily to assure that all hoods are situated properly and maintaining sufficient draft to the baghouse.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

## Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

### D.1.4 Visible Emissions Notations

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- (a) Visible emission notations of the stack exhaust S-BH shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances shall be considered a deviation from this permit.

### D.1.5 Parametric Monitoring

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- (a) The Permittee shall record the pressure drop across the American Air Bag Filter Dust Collector System used in conjunction with the Zinc Die Cast and Solder Lead Alloying Processes, at least once per day when the Zinc Die Cast and Solder Lead Alloying Processes are in operation. When for any one reading, the pressure drop across the collector is outside the normal range of 1 to 2.5 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances. A pressure reading that is outside the above-mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances shall be considered a deviation from this permit.
- (b) The instrument used for determining the pressure shall comply with Section C – Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

### D.1.6 Broken or Failed Bag Detection

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- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as a malfunction.
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the

process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as a malfunction.

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

## **Record Keeping and Reporting Requirement [326 IAC 2-6.1-5(a)(2)]**

### **D.1.7 Record Keeping Requirements**

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- (a) To document compliance with Condition D.1.4, the Permittee shall maintain records of daily visible emission notations of the stack exhaust S-BH. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).
- (b) To document compliance with Condition D.1.5, the Permittee shall maintain a daily record of the pressure drop across the American Air Bag Filter Dust Collector System controlling the Zinc Die Cast and Solder Lead Alloying Processes. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g. the process did not operate that day).
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

## SECTION D.2

## EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

The reclamation of tin-coated brass punchings through agitation in one (1) of five (5) rotary mixers containing heated caustic solution. Each mixer is equipped with a 0.4 MMBtu/hr natural gas burner to heat the caustic solution. Particulate emissions generated while unloading detinned brass punchings from the mixers into shipping containers shall be controlled by one (1) of three (3) portable Dust Collectors with manufacturer's rated control efficiency of 99.9% each. The maximum design rate of the process is 12 tons per hour.

(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 2-6.1-5(a)(1)]

#### D.2.1 Particulate Matter (PM) [326 IAC 6.8-1-2(a)]

---

Pursuant to 326 IAC 6.8-1-2(a) (Nonattainment Area Particulate Limitations), particulate matter (PM) emissions shall be limited to 0.03 grain per dry standard cubic foot of exhaust air for the unloading process.

#### D.2.2 Preventive Maintenance Plan [326 IAC 1-6-3]

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A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and their emission control device.

### Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

#### D.2.3 Particulate Control

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In order to comply with condition D.2.1, the portable Dust Collector for particulate control shall be in operation and control emissions from the unloading process at all times while the process is in operation.

## SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

1. The Zinc Die Cast Alloying Process, with a maximum design rate of 4.75 T/hr, is used to reclaim zinc from scrap. Natural gas-fired furnaces and kettles are used to reclaim zinc. After melting they are cast into bars. The process is a batch-type operation consisting of the following:
  - (a) Reverberatory Sweat Furnace, identified as F-1, with a maximum design rate of 0.15 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH. Under 40 CFR 63, Subpart TTTTTT, this is considered an existing, secondary nonferrous metals processing facility. [40 CFR 63, Subpart TTTTTT]
  - (b) Reverberatory Sweat Furnace, identified as F-2, with a maximum design rate of 0.2 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH. Under 40 CFR 63, Subpart TTTTTT, this is considered an existing, secondary nonferrous metals processing facility. [40 CFR 63, Subpart TTTTTT]
  - (c) Melting and/or Refining Kettle, identified as K2, with a maximum design rate of 1.5 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH. Under 40 CFR 63, Subpart TTTTTT, this is considered an existing, secondary nonferrous metals processing facility. [40 CFR 63, Subpart TTTTTT]
  - (d) Melting and/or Refining Kettle, identified as K3, with a maximum design rate of 1.45 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH. Under 40 CFR 63, Subpart TTTTTT, this considered an existing, secondary nonferrous metals processing facility. [40 CFR 63, Subpart TTTTTT]
  - (e) Melting and/or Refining Kettle, identified as K4, with a maximum design rate of 1.45 T/hr, using an American Air Bag Filter Dust Collector System as control, constructed in 1985, and exhausting to stack S-BH. Under 40 CFR 63, Subpart TTTTTT, this is considered an existing, secondary nonferrous metals processing facility. [40 CFR 63, Subpart TTTTTT]

Particulate emissions from the furnaces and melt kettles are drafted to an American Air Bag Filter Dust Collector System.

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

### E.1.1 General Provisions Relating to NESHAP Subpart TTTTTT [326 IAC 20-1] [40 CFR Part 63, Subpart A]

Pursuant to 40 CFR 63.11471, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1, as specified in Table 1 of 40 CFR Part 63, Subpart TTTTTT in accordance with schedule in 40 CFR Part 63 Subpart TTTTTT.

### E.1.2 NESHAP Subpart TTTTTT Requirements [40 CFR Part 63, Subpart TTTTTT]

The Permittee which engages in secondary nonferrous metals production shall comply with the following provisions of 40 CFR Part 63, Subpart TTTTTT (included as Attachment A of this permit), with a compliance date of December 26, 2007:

- (1) 40 CFR 63.11462(a)
- (2) 40 CFR 63.11462(b)
- (3) 40 CFR 63.11463(a)

- (4) 40 CFR 63.11463(b)
- (5) 40 CFR 63.11463(c)
- (6) 40 CFR 63.11464(a)
- (7) 40 CFR 63.11465(a)
- (8) 40 CFR 63.11466(a)
- (9) 40 CFR 63.11466(b)
- (10) 40 CFR 63.11466(c)(1)(i)
- (11) 40 CFR 63.11466(c)(1)(ii)
- (12) 40 CFR 63.11466(c)(1)(iii)
- (13) 40 CFR 63.11466(c)(1)(iv)
- (14) 40 CFR 63.11466(c)(1)(v)
- (15) 40 CFR 63.11466(c)(2)
- (16) 40 CFR 63.11467(a)
- (17) 40 CFR 63.11467(b)
- (18) 40 CFR 63.11467(c)
- (19) 40 CFR 63.11467(d)
- (20) 40 CFR 63.11467(e)
- (21) 40 CFR 63.11467(f)
- (22) 40 CFR 63.11467(g)
- (23) 40 CFR 63.11468(a)(1)(i)
- (24) 40 CFR 63.11468(a)(1)(ii)
- (25) 40 CFR 63.11468(a)(2)
- (26) 40 CFR 63.11468(b)
- (27) 40 CFR 63.11469(a)
- (28) 40 CFR 63.11469(b)(1)
- (29) 40 CFR 63.11469(b)(2)
- (30) 40 CFR 63.11469(c)
- (31) 40 CFR 63.11470(a)(1)
- (32) 40 CFR 63.11470(a)(2)
- (33) 40 CFR 63.11470(b)
- (34) 40 CFR 63.11470(c)
- (35) 40 CFR 63.11470(d)
- (36) 40 CFR 63.11471
- (37) 40 CFR 63.11472

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
Compliance and Enforcement Branch**

**MINOR SOURCE OPERATING PERMIT  
CERTIFICATION**

Source Name: Whiting Metals, LLC  
Source Address: 2230 Indianapolis Blvd., Hammond, IN 46394  
Mailing Address: P.O. Box 482, Whiting, IN 46394  
Permit No.: M089-21474-00262

**This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.**

Please check what document is being certified:

- Annual Notification
- Test Result (specify)
- Report (specify)
- Notification (specify)
- Affidavit (specify)
- Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
Compliance and Enforcement Branch**

**MINOR SOURCE OPERATING PERMIT  
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

<b>Company Name:</b>	<b>Whiting Metals, LLC</b>
<b>Address:</b>	<b>2230 Indianapolis Boulevard</b>
<b>City:</b>	<b>Hammond, Indiana 46394</b>
<b>Phone #:</b>	<b>(219) 659-2655</b>
<b>MSOP #:</b>	<b>089-21474-00262</b>

I hereby certify that Whiting Metals, LLC is  still in operation.  
 no longer in operation.

I hereby certify that Whiting Metals, LLC is  in compliance with the requirements of MSOP **089-21474-00262**.  
 not in compliance with the requirements of MSOP **089-21474-00262**.

<b>Authorized Individual (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>

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.

<b>Noncompliance:</b>

**MALFUNCTION REPORT**

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
FAX NUMBER - 317 233-6865**

**This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6  
and to qualify for the exemption under 326 IAC 1-6-4.**

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?\_\_\_\_\_, 25 TONS/YEAR SULFUR DIOXIDE ?\_\_\_\_\_, 25 TONS/YEAR NITROGEN OXIDES?\_\_\_\_\_, 25 TONS/YEAR VOC ?\_\_\_\_\_, 25 TONS/YEAR HYDROGEN SULFIDE ?\_\_\_\_\_, 25 TONS/YEAR TOTAL REDUCED SULFUR ?\_\_\_\_\_, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?\_\_\_\_\_, 25 TONS/YEAR FLUORIDES ?\_\_\_\_\_, 100TONS/YEAR CARBON MONOXIDE ?\_\_\_\_\_, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?\_\_\_\_\_, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?\_\_\_\_\_, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?\_\_\_\_\_, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?\_\_\_\_\_. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION \_\_\_\_\_.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC \_\_\_\_\_ OR, PERMIT CONDITION # \_\_\_\_\_ AND/OR PERMIT LIMIT OF \_\_\_\_\_

THIS INCIDENT MEETS THE DEFINITION OF 'MALFUNCTION' AS LISTED ON REVERSE SIDE ?    Y    N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ?    Y    N

COMPANY: \_\_\_\_\_ PHONE NO. (    ) \_\_\_\_\_  
LOCATION: (CITY AND COUNTY) \_\_\_\_\_  
PERMIT NO. \_\_\_\_\_ AFS PLANT ID: \_\_\_\_\_ AFS POINT ID: \_\_\_\_\_ INSP: \_\_\_\_\_  
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: \_\_\_\_\_

DATE/TIME MALFUNCTION STARTED: \_\_\_\_/\_\_\_\_/20\_\_\_\_    \_\_\_\_\_ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: \_\_\_\_\_

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE \_\_\_\_/\_\_\_\_/20\_\_\_\_    \_\_\_\_\_ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER: \_\_\_\_\_

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: \_\_\_\_\_

MEASURES TAKEN TO MINIMIZE EMISSIONS: \_\_\_\_\_

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL\* SERVICES: \_\_\_\_\_  
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: \_\_\_\_\_  
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: \_\_\_\_\_  
INTERIM CONTROL MEASURES: (IF APPLICABLE) \_\_\_\_\_

MALFUNCTION REPORTED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

\*SEE PAGE 2

**Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.**

**326 IAC 1-6-1 Applicability of rule**

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

**326 IAC 1-2-39 "Malfunction" definition**

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

\***Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

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# 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](http://www.idem.IN.gov)

## **SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED**

**TO:** Alex Gross  
Whiting Metals, LLC  
POB 482  
Whiting, Indiana 46394

**DATE:** July 16, 2009

**FROM:** Matt Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

**SUBJECT:** Final Decision  
MSOP  
089-28091-00262

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:  
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at [jbrush@idem.IN.gov](mailto:jbrush@idem.IN.gov).

Final Applicant Cover letter.dot 11/30/07

# Mail Code 61-53

IDEM Staff	CDENNY 7/16/2009 Whiting Metals, LLC 089-28091-00262 (final)		Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Alex Gross Whiting Metals, LLC PO Box 482 Whiting IN 46394 (Source CAATS) <b>VIA CONFIRMED DELIVERY</b>										
2		Gary - Hobart Water Corp 650 Madison St, P.O. Box M486 Gary IN 46401-0486 (Affected Party)										
3		Lake County Health Department-Gary 1145 W. 5th Ave Gary IN 46402-1795 (Health Department)										
4		WJOB / WZVN Radio 6405 Olcott Ave Hammond IN 46320 (Affected Party)										
5		Laurence A. McHugh Barnes & Thornburg 100 North Michigan South Bend IN 46601-1632 (Affected Party)										
6		Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 (Affected Party)										
7		Ms. Carolyn Marsh Lake Michigan Calumet Advisory Council 1804 Oliver St Whiting IN 46394-1725 (Affected Party)										
8		Whiting City Council and Mayors Office 1143 119th St Whiting IN 46394 (Local Official)										
9		Mark Coleman 9 Locust Place Ogden Dunes IN 46368 (Affected Party)										
10		Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 (Affected Party)										
11		Craig Hogarth 7901 West Morris Street Indianapolis IN 46231 (Affected Party)										
12		Lake County Commissioners 2293 N. Main St, Building A 3rd Floor Crown Point IN 46307 (Local Official)										
13		Anthony Copeland 2006 E. 140th Street East Chicago IN 46312 (Affected Party)										
14		Barbara G. Perez 506 Lilac Street East Chicago IN 46312 (Affected Party)										
15		Mr. Robert Garcia 3733 Parrish Avenue East Chicago IN 46312 (Affected Party)										

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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1		Karen 8212 Madison Ave Munster IN 46321-1627 (Affected Party)									
2		Calumet Township Trustee 35 E 5th Avenue Gary IN 46402 (Affected Party)									
3		Joseph Hero 11723 S Oakridge Drive St. John IN 46373 (Affected Party)									
4		Gary City Council 401 Broadway # 209 Gary IN 46402 (Local Official)									
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15											

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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