



Thomas M. McDermott, Jr.
Mayor

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

CITY OF HAMMOND

RONALD L. NOVAK
Director

March 17, 2008

Mr. Alex Gross
Executive Vice President
Northern Indiana Metals, LLC dba Saxon Metals, Inc.
P.O. Box 9
2230 Indianapolis Boulevard
Whiting, Indiana 46394

Re: 089-25769-00262
First Notice-Only Change to
M089-21474-00262

Dear Mr. Alex Gross:

Northern Indiana Metals, LLC dba Saxon Metals, Inc. was issued a Minor Source Operating Permit (MSOP) Renewal No. M089-21474-00262 on August 10, 2007 for a stationary nonferrous metals operation located at 2230 Indianapolis Boulevard, Whiting, Indiana 46394. On December 21, 2007, the Office of Air Quality (OAQ) received an application from the source requesting that the MSOP Renewal permit term be extended to ten (10) years. On December 16, 2007, rule revisions to 326 IAC 2-1.1-9 and 326 IAC 2-6.1-7 were finalized allowing for ten (10) year permit terms on MSOP renewals. This change to the permit is considered a notice-only change pursuant to 326 IAC 2-6.1-6(d)(6), since it incorporates newly applicable requirements as a result of a change in applicability.

On January 15, 2008, the source asked that the maximum design rates associated with the lead alloy kettles be redistributed. This involves a reduction in the maximum design rates of three (3) units and an increase in the maximum design rate of one (1) unit. These changes do not result in any change in the overall maximum design rate or the potential to emit of the source. The source also asked that the descriptive information for the Holding Kettles, K19 and K20, associated with the zinc die cast alloying process be corrected. These changes to the permit are considered notice-only changes pursuant to 326 IAC 2-6.1-6(d)(2), since they are changes in descriptive information concerning emissions units.

Finally, HDEM has decided to incorporate the National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources that became effective on December 26, 2007. This change to the permit is also considered a notice-only change pursuant to 326 IAC 2-6.1-6(d)(6), since it incorporates newly applicable requirements as a result of a change in applicability and pursuant to 326 IAC 2-6.1-6(d)(8), for incorporation of newly applicable monitoring or testing requirements specified in 40 CFR 63 that apply as the result of a change in applicability of those requirements to the source.

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**.

- (a) The expiration date on the cover page has been extended by five (5) years as follows.

Issuance Date: August 10, 2007

Expiration Date: ~~August 10, 2012~~ **August 10, 2017**

(b) Condition B.2 Permit Term has been revised to reflect the ten (10) year permit term.

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 ~~five (5)~~ **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 and HDEM, 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.

(c) Production rates associated with the lead alloy kettles have been redistributed and the NESHAP has been added to the description as follows:

A.2 Emissions Units and Pollution Control Equipment Summary

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

1. The Zinc Die Cast Allying 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 Furnaces F-1 and F-2, respectively, 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 Furnaces F-1 and F-2, respectively, 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 ~~0.2~~ **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 ~~0.87~~ **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 ~~0.94~~ **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 ~~0.82~~ **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 change in redistributing production rates associated with the lead alloy kettles has resulted in a decrease in the Lead (Pb) emissions limit that is based on emissions after controls. The change to the Lead (Pb) emission limit is as follows:

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

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended), the Pb emissions limit for this facility shall not exceed ~~0.004~~ **0.00045** lbs/hr and ~~0.003~~ **0.002** tons per year. This is local agency enforceable only.

- (d) This source is subject to the National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing for Area Sources (40 CFR 63, Subpart TTTTTT). The Zinc Die Cast Alloying Process: Reverberatory Sweat Furnaces, F1 and F2, and the Melting and/or Refining Kettles K2, K3, and K4 are subject to the National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing for Area Sources, (40 CFR 63, Subpart TTTTTT) because the source is an area source of hazardous air pollutant (HAP) emissions that is operated as a secondary nonferrous metals processing facility (as defined in §63.11472).

Pursuant to 40 CFR 63.11463, the existing (constructed before September 20, 2007), affected source that is subject to the requirements of 40 CFR 63, Subpart TTTTTT consists of all crushing and screening operations at a secondary zinc processing facility and all furnace melting operations located at any secondary nonferrous metals processing facilities. The specific facilities include the following:

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.

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

Pursuant to 40 CFR 63.11464, the Permittee shall comply with the requirements of 40 CFR 63, Subpart TTTTTT by December 26, 2007.

The existing, affected source associated with processing of secondary nonferrous metals is subject to the following portions of 40 CFR 63, Subpart TTTTTT:

- (1) 40 CFR 63.11462(a) (Applicability and Compliance Dates)
- (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) (Standards, Compliance, and Monitoring Requirements)
- (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 (Other Requirements and Information)
- (37) 40 CFR 63.11472

The provisions of 40 CFR 63 Subpart A – General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facilities described in this section except when otherwise specified in 40 CFR 63 Subpart TTTTTT.

All other conditions of the permit shall remain unchanged and in effect. Attached please find the entire revised permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact this Department at (219)853-6306.

Sincerely,

Original signed by:

Debra Malone, Chief Engineer
Hammond Department of Environmental Management
Air Pollution Control Division

Attachments: Updated Permit

DM

cc: Mindy Hahn, Contract Management, IDEM, OAQ



Thomas M. McDermott, Jr.
Mayor

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

CITY OF HAMMOND

RONALD L. NOVAK
Director

MINOR SOURCE OPERATING PERMIT RENEWAL

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

and

**HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
AIR POLLUTION CONTROL DIVISION**

**Northern Indiana Metals, LLC dba Saxon Metals, Inc.
2230 Indianapolis Boulevard
Whiting, 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	
Issued by: Hammond Department of Environmental Management	Original signed by: Ronald L. Novak, Director
Expiration Date: <u>August 10, 2017</u>	

First Notice-Only Change: 089-25769-00262	Pages Affected: 1, 3 - 6, 18 - 20, and 22 - 28.
Issued by: Hammond Department of Environmental Management	Original signed by: Ronald L. Novak, Director
Expiration Date: <u>August 10, 2017</u>	

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**Attachment A: 40 CFR Part 63, Subpart TTTTTT – National Emission Standards for Hazardous
Air Pollutants for Secondary Nonferrous Metals Processing Area Sources**

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) and the Hammond Department of Environmental Management (HDEM). 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)]

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

Source Address: 2230 Indianapolis Boulevard, Whiting, Indiana 46394
Mailing Address: P.O. Box 9
2230 Indianapolis Boulevard, Hammond, Indiana 46325
General Source Phone: (219) 659-2600
SIC Code: 3341 – Secondary Nonferrous Metals
County Location: Lake
Source Location Status: Attainment/Unclassifiable for PM10, SO₂, CO, NO₂ and Lead,
Nonattainment for PM2.5 and 8-hour 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

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]
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 - (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:
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 - (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.

SECTION B GENERAL CONDITIONS

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

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 and HDEM, 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]

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

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 and HDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability

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

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

B.7 Duty to Provide Information

- (a) The Permittee shall furnish to IDEM, OAQ and HDEM, within a reasonable time, any information that IDEM, OAQ and HDEM 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 and HDEM 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

- (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)]

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality and HDEM 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 Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 46204-2251

and

Hammond Department of Environmental Management
Air Pollution Control Division
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320
- (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 HDEM on or before the date it is due.

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

- (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 and HDEM upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ and HDEM. IDEM, OAQ and HDEM 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]

- (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)]

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]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and HDEM 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

- (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 and HDEM 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 and HDEM 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 and HDEM, 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]

- (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
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

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 and HDEM within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.15 Source Modification Requirement

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]

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, and HDEM 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

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 HDEM within thirty (30) calendar days of receipt of a billing.
- (b) The Permittee may call the following telephone number: 219-853-6306 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 and HDEM, 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]

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]

- (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
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

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]

- (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 Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

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 and HDEM 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 and HDEM not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ and HDEM if the Permittee submits to IDEM, OAQ and HDEM, 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]

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]

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]

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]

-
- (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

- (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

- (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 and HDEM 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]

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 and HDEM, 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 Annual Emission Inventory [Hammond Ordinance No. 7102]

- (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 15th 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.

C.18 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 or HDEM makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or HDEM 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.19 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 Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

- (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 and HDEM 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 Lead (Pb) [Hammond Air Quality Control Ordinance No. 3522 (as amended)]

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.1.3 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.1.4 Particulate Control

- (a) Pursuant to OP# 01601, issued on February 11, 2000, 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.1.5 Visible Emissions Notations

- (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.1.6 Parametric Monitoring

- (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 HDEM and shall be calibrated at least once every six (6) months.

D.1.7 Baghouse Inspections

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.1.8 Broken or Failed Bag Detection

- (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.1.9 Record Keeping Requirements

- (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.

- (b) To document compliance with Condition D.1.5, 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).
- (c) To document compliance with Condition D.1.6, 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).
- (d) 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.

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 DATA SECTION**

and

**HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
-AIR POLLUTION CONTROL DIVISION-**

**MINOR SOURCE OPERATING PERMIT
CERTIFICATION**

Source Name: **Northern Indiana Metals, LLC dba Saxon Metals, Inc.**
Source Address: 2230 Indianapolis Blvd., Whiting, IN 46394
Mailing Address: 2230 Indianapolis Blvd., 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:

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

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: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
and
HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

**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).

Company Name:	Northern Indiana Metals, LLC dba Saxon Metals, Inc.
Address:	2230 Indianapolis Boulevard
City:	Whiting, Indiana 46394
Phone #:	(219) 659-2600
MSOP #:	089-21474-00262

I hereby certify that **Northern Indiana Metals, LLC dba Saxon Metals, Inc.** is still in operation.
 no longer in operation.

I hereby certify that **Northern Indiana Metals, LLC dba Saxon Metals, Inc.** is
 in compliance with the requirements of MSOP **089-21474-00262**.
 not in compliance with the requirements of MSOP **089-21474-00262**.

Authorized Individual (typed):
Title:
Signature:
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:

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:

Attachment A

40 CFR Part 63, Subpart TTTTTT – National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources

(e-CFR Data is current as of January 4, 2008)

Title 40: Protection of Environment

[PART 63—NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES](#)

Subpart TTTTTT—National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources

Source: 72 FR 73207, Dec. 26, 2007, unless otherwise noted.

Effective Date: December 26, 2007

Applicability and Compliance Dates

§ 63.11462 Am I subject to this subpart?

- (a) You are subject to this subpart if you own or operate a secondary nonferrous metals processing facility (as defined in §63.11472) that is an area source of hazardous air pollutant (HAP) emissions.
- (b) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart applicable to area sources.

§ 63.11463 What parts of my plant does this subpart cover?

- (a) This subpart applies to any existing or new affected source located at a secondary nonferrous metals processing facility.
- (b) The affected source includes all crushing and screening operations at a secondary zinc processing facility and all furnace melting operations located at any secondary nonferrous metals processing facilities.
- (c) An affected source is existing if you commenced construction or reconstruction of the affected source on or before September 20, 2007.
- (d) An affected source is new if you commenced construction or reconstruction of the affected source after September 20, 2007.

§ 63.11464 What are my compliance dates?

- (a) If you have an existing affected source, you must comply with the standards no later than December 26, 2007.
- (b) If you have a new affected source, you must comply with this subpart according to paragraphs (b)(1) and (b)(2) of this section.
 - (1) If you start up your affected source on or before December 26, 2007, you must comply with this subpart no later than December 26, 2007.
 - (2) If you start up your affected source after December 26, 2007, you must comply with this subpart upon initial startup of your affected source.

Standards, Compliance, and Monitoring Requirements

§ 63.11465 What are the standards for new and existing sources?

- (a) You must route the emissions from each existing affected source through a fabric filter or

baghouse that achieves a particulate matter (PM) control efficiency of at least 99.0 percent or an outlet PM concentration limit of 0.034 grams per dry standard cubic meter (g/dscm)(0.015 grains per dry standard cubic feet (gr/dscf)).

- (b) You must route the emissions from each new affected source through a fabric filter or baghouse that achieves a PM control efficiency of at least 99.5 percent or an outlet PM concentration limit of 0.023 g/dscm (0.010 gr/dscf).

§ 63.11466 What are the performance test requirements for new and existing sources?

- (a) Except as specified in paragraph (b) of this section, if you own or operate an existing or new affected source, you must conduct a performance test for each affected source within 180 days of your compliance date and report the results in your notification of compliance status.
- (b) If you own or operate an existing affected source, you are not required to conduct a performance test if a prior performance test was conducted within the past 5 years of the compliance date using the same methods specified in paragraph (c) of this section and you meet either of the following two conditions:
 - (1) No process changes have been made since the test; or
 - (2) You demonstrate that the results of the performance test, with or without adjustments, reliably demonstrate compliance despite process changes.
- (c) You must conduct each performance test according to the requirements in §63.7 and paragraphs (c)(1) and (2) of this section.
 - (1) Determine the concentration of PM according to the following test methods in 40 CFR part 60, appendices:
 - (i) Method 1 or 1A (Appendix A–1) to select sampling port locations and the number of traverse points in each stack or duct. Sampling sites must be located at the outlet of the control device and prior to any releases to the atmosphere.
 - (ii) Method 2, 2A, 2C, 2F, or 2G (Appendices A–1 and A–2) to determine the volumetric flow rate of the stack gas.
 - (iii) Method 3, 3A, or 3B (Appendix A–2) to determine the dry molecular weight of the stack gas. You may use ANSI/ASME PTC 19.10–1981, “Flue and Exhaust Gas Analyses” (incorporated by reference-see §63.14) as an alternative to EPA Method 3B.
 - (iv) Method 4 (Appendix A–3) to determine the moisture content of the stack gas.
 - (v) Method 5 or 17 (Appendix A–3) to determine the concentration of particulate matter (front half filterable catch only). Three valid test runs are needed to comprise a performance test.
 - (2) During the test, you must operate each emissions source within ± 10 percent of its normal process rate. You must monitor and record the process rate during the test.

§ 63.11467 What are the initial compliance demonstration requirements for new and existing sources?

- (a) You must demonstrate initial compliance with the applicable standards in §63.11465 by submitting a Notification of Compliance Status in accordance with §63.11469(b).
- (b) You must conduct the inspection specified in paragraph (c) of this section and include the results of the inspection in the Notification of Compliance Status.
- (c) For each existing and new affected source, you must conduct an initial inspection of each baghouse. You must visually inspect the system ductwork and baghouse unit for leaks. Except as specified in paragraph (e) of this section, you must also inspect the inside of each baghouse for structural integrity and fabric filter condition. You must record the results of the inspection and any maintenance action as required in §63.11470.
- (d) For each installed baghouse that is in operation during the 60 days after the applicable compliance date, you must conduct the inspection specified in paragraph (c) of this section no later than 60 days after your applicable compliance date. For an installed baghouse that is not in operation during the 60 days after the applicable compliance date, you must conduct an initial inspection prior to startup of the baghouse.

- (e) An initial inspection of the internal components of a baghouse is not required if an inspection has been performed within the past 12 months.
- (f) If you own or operate an existing affected source and are not required to conduct a performance test under §63.11466, you must submit the Notification of Compliance Status within 120 days after the applicable compliance date specified in §63.11464.
- (g) If you own or operate an existing affected source and are required to conduct a performance test under §63.11466, you must submit the Notification of Compliance Status within 60 days after completing the performance test.

§ 63.11468 What are the monitoring requirements for new and existing sources?

- (a) For an existing affected source, you must demonstrate compliance by conducting the monitoring activities in paragraph (a)(1) or (a)(2) of this section:
 - (1) You must perform periodic inspections and maintenance of each baghouse according to the requirements in paragraphs (a)(1)(i) and (ii) of this section.
 - (i) You must conduct weekly visual inspections of the system ductwork for leaks.
 - (ii) You must conduct inspections of the interior of the baghouse for structural integrity and to determine the condition of the fabric filter every 12 months.
 - (2) As an alternative to the monitoring requirements in paragraph (a)(1) of this section, you may demonstrate compliance by conducting a daily 30-minute visible emissions (VE) test (i.e., no visible emissions) using EPA Method 22 (40 CFR part 60, appendix A-7).
- (b) If the results of the visual inspection or VE test conducted under paragraph (a) of this section indicate a problem with the operation of the baghouse, including but not limited to air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in PM emissions, you must take immediate corrective action to return the baghouse to normal operation according to the equipment manufacturer's specifications or instructions and record the corrective action taken.
- (c) For each new affected source, you must install, operate, and maintain a bag leak detection system according to paragraphs (c)(1) through (3) of this section.
 - (1) Each bag leak detection system must meet the specifications and requirements in paragraphs (c)(1)(i) through (viii) of this section.
 - (i) The bag leak detection system must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 1 milligram per dry standard cubic meter (0.00044 grains per actual cubic foot) or less.
 - (ii) The bag leak detection system sensor must provide output of relative PM loadings. The owner or operator shall continuously record the output from the bag leak detection system using electronic or other means (e.g., using a strip chart recorder or a data logger).
 - (iii) The bag leak detection system must be equipped with an alarm system that will sound when the system detects an increase in relative particulate loading over the alarm set point established according to paragraph (c)(1)(iv) of this section, and the alarm must be located such that it can be heard by the appropriate plant personnel.
 - (iv) In the initial adjustment of the bag leak detection system, you must establish, at a minimum, the baseline output by adjusting the sensitivity (range) and the averaging period of the device, the alarm set points, and the alarm delay time.
 - (v) Following initial adjustment, you shall not adjust the averaging period, alarm set point, or alarm delay time without approval from the Administrator or delegated authority except as provided in paragraph (c)(1)(vi) of this section.
 - (vi) Once per quarter, you may adjust the sensitivity of the bag leak detection system to account for seasonal effects, including temperature and humidity, according to the procedures identified in the site-specific monitoring plan required by paragraph (c)(2) of this section.
 - (vii) You must install the bag leak detection sensor downstream of the fabric filter.
 - (viii) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.

- (2) You must develop and submit to the Administrator or delegated authority for approval a site-specific monitoring plan for each bag leak detection system. You must operate and maintain the bag leak detection system according to the site-specific monitoring plan at all times. Each monitoring plan must describe the items in paragraphs (c)(2)(i) through (vi) of this section.
 - (i) Installation of the bag leak detection system;
 - (ii) Initial and periodic adjustment of the bag leak detection system, including how the alarm set-point will be established;
 - (iii) Operation of the bag leak detection system, including quality assurance procedures;
 - (iv) How the bag leak detection system will be maintained, including a routine maintenance schedule and spare parts inventory list;
 - (v) How the bag leak detection system output will be recorded and stored; and
 - (vi) Corrective action procedures as specified in paragraph (c)(3) of this section. In approving the site-specific monitoring plan, the Administrator or delegated authority may allow owners and operators more than 3 hours to alleviate a specific condition that causes an alarm if the owner or operator identifies in the monitoring plan this specific condition as one that could lead to an alarm, adequately explains why it is not feasible to alleviate this condition within 3 hours of the time the alarm occurs, and demonstrates that the requested time will ensure alleviation of this condition as expeditiously as practicable.
- (3) For each bag leak detection system, you must initiate procedures to determine the cause of every alarm within 1 hour of the alarm. Except as provided in paragraph (c)(2)(vi) of this section, you must alleviate the cause of the alarm within 3 hours of the alarm by taking whatever corrective action(s) are necessary. Corrective actions may include, but are not limited to the following:
 - (i) Inspecting the fabric filter for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in PM emissions;
 - (ii) Sealing off defective bags or filter media;
 - (iii) Replacing defective bags or filter media or otherwise repairing the control device;
 - (iv) Sealing off a defective fabric filter compartment;
 - (v) Cleaning the bag leak detection system probe or otherwise repairing the bag leak detection system; or
 - (vi) Shutting down the process producing the PM emissions.

§ 63.11469 What are the notification requirements?

- (a) You must submit the Initial Notification required by §63.9(b)(2) no later than 120 days after the applicable compliance date specified in §63.11464. The Initial Notification must include the information specified in §63.9(b)(2)(i) through (iv) and may be combined with the Notification of Compliance Status required in §63.11467 and paragraph (b) of this section if you choose to submit both notifications within 120 days.
- (b) You must submit a Notification of Compliance Status in accordance with §63.9(h) and the requirements in paragraphs (c) and (d) of this section. In addition to the information required in §63.9(h)(2), §63.11466, and §63.11467, your notification must include the following certification(s) of compliance, as applicable, and signature of a responsible official:
 - (1) This certification of compliance by the owner or operator of an existing affected source who is relying on a previous performance test: “This facility complies with the control efficiency requirement [or the outlet concentration limit] in §63.11465 based on a previous performance test in accordance with §63.11466.”
 - (2) This certification of compliance by the owner or operator of any new or existing affected source: “This facility has conducted an initial inspection of each control device according to the requirements in §63.11467, will conduct periodic inspections and maintenance of control devices in accordance with §63.11468, and will maintain records of each inspection and maintenance action required by §63.11470.”
 - (3) This certification of compliance by the owner or operator of a new affected source: “This

facility has an approved bag leak detection system monitoring plan in accordance with §63.11468(c)(2).”

- (c) If you own or operate an affected source and are required to conduct a performance test under §63.11466, you must submit a Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test.
- (d) If you own or operate an affected source and are not required to conduct a performance test under §63.11466, you must submit a Notification of Compliance Status, including the results of the previous performance test, no later than 120 days after the applicable compliance date specified in §63.11464.

§ 63.11470 What are the recordkeeping requirements?

- (a) You must keep the records specified in paragraphs (a)(1) and (2) of this section.
 - (1) As required in §63.10(b)(2)(xiv), you must keep a copy of each notification that you submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted.
 - (2) You must keep the records of all inspection and monitoring data required by §§63.11467 and 63.11468, and the information identified in paragraphs (a)(2)(i) through (a)(2)(v) for each required inspection or monitoring.
 - (i) The date, place, and time;
 - (ii) Person conducting the activity;
 - (iii) Technique or method used;
 - (iv) Operating conditions during the activity; and
 - (v) Results.
- (b) Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1).
- (c) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each recorded action.
- (d) You must keep each record onsite for at least 2 years after the date of each recorded action according to §63.10(b)(1). You may keep the records offsite for the remaining three years.

Other Requirements and Information

§ 63.11471 What General Provisions apply to this subpart?

Table 1 to this subpart shows which parts of the General Provisions in §§63.1 through 63.16 apply to you.

§ 63.11472 What definitions apply to this subpart?

Terms used in this subpart are defined in the Clean Air Act, in §63.2, and in this section as follows:

Bag leak detection system means a system that is capable of continuously monitoring relative particulate matter (dust loadings) in the exhaust of a baghouse to detect bag leaks and other upset conditions. A bag leak detection system includes, but is not limited to, an instrument that operates on triboelectric, light scattering, light transmittance, or other effect to continuously monitor relative particulate matter loadings.

Furnace melting operation means the collection of processes used to charge post-consumer nonferrous scrap material to a furnace, melt the material, and transfer the molten material to a forming medium.

Secondary nonferrous metals processing facility means a brass and bronze ingot making, secondary magnesium processing, or secondary zinc processing plant that uses furnace melting operations to melt post-consumer nonferrous metal scrap to make products including bars, ingots, blocks, or metal powders.

§ 63.11473 Who implements and enforces this subpart?

- (a) This subpart can be implemented and enforced by the U.S. EPA or a delegated authority such as your State, local, or tribal agency. If the U.S. EPA Administrator has delegated authority to your State, local, or tribal agency, then that agency has the authority to implement and enforce this subpart. You should contact your U.S. EPA Regional Office to find out if this subpart is delegated to your State, local, or tribal agency.
- (b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the Administrator of the U.S. EPA and are not transferred to the State, local, or tribal agency.
- (c) The authorities that will not be delegated to State, local, or tribal agencies are listed in paragraphs (c)(1) through (4) of this section.
 - (1) Approval of alternatives to the applicability requirements in §63.11462 and 63.11463, the compliance date requirements in §63.11464, and the applicable standards in §63.11465.
 - (2) Approval of a major change to a test method under §63.7(e)(2)(ii) and (f). A “major change to test method” is defined in §63.90.
 - (3) Approval of a major change to monitoring under §63.8(f). A “major change to monitoring” is defined in §63.90.
 - (4) Approval of a major change to recordkeeping/reporting under §63.10(f). A “major change to recordkeeping/reporting” is defined in §63.90.

§ 63.11474 [Reserved]

Table 1 to Subpart TTTTTT of Part 63—Applicability of General Provisions to Subpart TTTTTT

As stated in §63.11471, you must comply with the requirements of the NESHAP General Provisions (40 CFR part 63, subpart A) shown in the following table:

Citation	Subject
63.1(a)(1)–(a)(4), (a)(6), (a)(10)–(a)(12), (b)(1), (b)(3), (c)(1), (c)(2), (c)(5), (e)	Applicability.
63.2	Definitions.
63.3	Units and Abbreviations.
63.4	Prohibited Activities and Circumvention.
63.6(a), (b)(1)–(b)(5), (b)(7), (c)(1), (c)(2), (c)(5), (e)(1), (f), (g), (i), (j)	Compliance With Standards and Maintenance Requirements.
63.7	Performance Testing Requirements
63.8(a)(1), (a)(2), (b), (c)(1)(i)–(c)(1)(ii), (c)(2), (c)(3), (f)	Monitoring Requirements.
63.9(a), (b)(1), (b)(2), (b)(5), (c), (d), (h)(1)–(h)(3), (h)(5), (h)(6), (i), (j)	Notification Requirements.
63.10(a), (b)(1), (b)(2)(vii), (b)(2)(xiv), (b)(3), (c), (f)	Recordkeeping and Reporting Requirements.
63.12	State Authority and Delegations.
63.13	Addresses.
63.14	Incorporations by Reference.
63.15	Availability of Information and Confidentiality.
63.16	Performance Track Provisions.

¹Section 63.11462(b) of this subpart exempts area sources from the obligation to obtain title V operating permits.

EFs from US EPA's FIRE Version 5.0 Source Classification Codes and Emission Factor Listing for Criteria Air Pollutants

Zinc Die Cast Alloy Casting

MDR (T/hr): 4.75
YEARLY PROD (T/yr): 1942

STACK ID (DIAM:HEIGHT): (2.4': 10')
FLOWRATE (ACFM): 25000
Ts(°F): 150

CNTRL DEV: American Air Bag Filter Dust Collector System

PERMITTED OPERATING HRS: 8760 hr/yr

SCC NO. 3-04-008-73			POTENTIAL EMISSIONS					
POLLUTANT	EF(LB/T produced)	CE (%)	BEFORE CONTROLS			AFTER CONTROLS		
			(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)
PM	0.015	0.99	0.0713	1.7100	0.3121	0.0007	0.0031	0.0000
PM10	0.015	0.99	0.0713	1.7100	0.3121	0.0007	0.0031	0.0000
SOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
NOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
VOC	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
CO	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
LEAD	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A

EFs from US EPA's FIRE Version 5.0 Source Classification Codes and Emission Factor Listing for Criteria Air Pollutants

LEAD ALLOY PRODUCTION PROCESS

Kettle K6, K10, K11, K15-K17
(kettle sweating)

(MDR from MSOP application 9/29/99)

MDR (T/hr): 2.05
YEARLY PROD (T/yr): 199

STACK ID (DIAM:HEIGHT): (2.4': 10')
FLOWRATE (ACFM): 25000
Ts(°F): 150

CNTRL DEV: American Air Bag Filter Dust Collector System (99% CE)

PERMITTED OPERATING HRS: 8760 hr/yr

SCC NO. 3-04-004-014			POTENTIAL EMISSIONS					
POLLUTANT	EF(LB/T charged)	CE (%)	BEFORE CONTROLS			AFTER CONTROLS		
			(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)
PM	0.002	0.99	0.0041	0.0984	0.0180	0.0000	0.0002	0.0000
PM10	0.002	0.99	0.0041	0.0984	0.0180	0.0000	0.0002	0.0000
SOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
NOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
VOC	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
CO	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
LEAD	0.0006	0.99	0.0012	0.0295	0.0054	0.0000	0.0001	N/A

EFs from US EPA's FIRE Version 5.0 Source Classification Codes and Emission Factor Listing for Criteria Air Pollutants

*Per N. Berg (9/15/03), K6 throughput approximately 70% of total lead processed. Furnace F3 is used to process the other 30%.

**Reverberatory Furnace F3
(Sweating Furnace)**

(MDR from MSOP application 9/29/99)

MDR (T/hr): 0.2

YEARLY PROD (T/yr): 244

STACK ID (DIAM:HEIGHT): (2.4': 10')

FLOWRATE (ACFM): 25000

Ts(°F): 150

CNTRL DEV: American Air Bag Filter Dust Collector System (99% CE)

PERMITTED OPERATING HRS: **8760** hr/yr

SCC NO. 3-04-004-05			POTENTIAL EMISSIONS					
			BEFORE CONTROLS			AFTER CONTROLS		
POLLUTANT	EF(LB/T charged)	CE (%)	(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)
PM	51	0.99	10.2000	244.8000	44.6760	0.1020	0.4468	0.0005
PM10	31	0.99	6.2000	148.8000	27.1560	0.0620	0.2716	0.0003
SOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
NOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
VOC	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
CO	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
LEAD	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A

EFs from US EPA's FIRE Version 5.0 Source Classification Codes and Emission Factor Listing for Criteria Air Pollutants

**Solder Kettle Refining (K12, K13, K14)
(melting of lead sows)**

(MDRs from MSOP application 9/29/99)

MDR (T/hr): 1.00

YEARLY PROD (T/yr): 271

STACK ID (DIAM:HEIGHT): (2.4': 10')

FLOWRATE (ACFM): 25000

Ts(°F): 150

CNTRL DEV: American Air Bag Filter Dust Collector System (99% CE)

PERMITTED OPERATING HRS: **8760** hr/yr

SCC NO. 3-04-004-26			POTENTIAL EMISSIONS					
			BEFORE CONTROLS			AFTER CONTROLS		
POLLUTANT	EF(LB/T produced)	CE (%)	(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)
PM	0.03	0.99	0.0300	0.7200	0.1314	0.0003	0.0013	0.0000
PM10	0	0.99	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
NOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
VOC	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
CO	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
LEAD	0.01	0.99	0.0100	0.2400	0.0438	0.0001	0.0004	N/A

*Per N. Berg (9/15/03), K14 is the only kettle used for lead processing, K12 & K13 are used for tin melting.

EFs from US EPA's FIRE Version 5.0 Source Classification Codes and Emission Factor Listing for Criteria Air Pollutants

Solder & Lead Alloy Casting

MDR (T/hr): 3.25
 YEARLY PROD (T/yr): 271

STACK ID (DIAM:HEIGHT): (2.4': 10')
 FLOWRATE (ACFM): 25000
 Ts(°F): 150

CNTRL DEV: American Air Bag Filter Dust Collector System (99% CE)

PERMITTED OPERATING HRS: **8760** hr/yr

SCC NO. 3-04-004-09			POTENTIAL EMISSIONS					
POLLUTANT	EF(LB/T cast)	CE (%)	BEFORE CONTROLS			AFTER CONTROL		
			(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)
PM	0.04	0.99	0.1300	3.1200	0.5694	0.0013	0.0057	0.0000
PM10	0.87	0.99	2.8275	67.8600	12.3845	0.0283	0.1238	0.0002
SOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
NOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
VOC	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
CO	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A
LEAD	0.01	0.99	0.0325	0.7800	0.1424	0.0003	0.0014	N/A

EFs from US EPA's FIRE Version 5.0 Source Classification Codes and Emission Factor Listing for Criteria Air Pollutants

**All Process Fuel Use (Natural Gas Only)
 Including Holding Kettles (K-19, K-20, and K-21)**

(MDCs from MSOP application 9/29/99)

MDC (MMBtu/hr): 18.6
 MDR (MMcft/hr): 0.019

HEAT CONTENT (Btu/cft): 1000
 QTY BURNED (MMcft/yr): 25.08

STACK ID (DIAM:HEIGHT): (2.4': 10')
 FLOWRATE (ACFM): 25000
 Ts(°F): 150

CNTRL DEV: American Air Bag Filter Dust Collector System (99% CE)

PERMITTED OPERATING HRS: **8760** hr/yr

EFs from AP 42 section 1.4 SCC NO. 1-02-006-03			POTENTIAL EMISSIONS					
POLLUTANT	EF(lbs/mmft)	CE (%)	BEFORE CONTROLS			AFTER CONTROLS		
			(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)
PM	12	0.99	0.2232	5.3568	0.9776	0.0022	0.0098	N/A
PM10	12	0.99	0.2232	5.3568	0.9776	0.0022	0.0098	N/A
SOx	0.6	0	0.0112	0.2678	0.0489	0.0112	0.0489	N/A
NOx	100	0	1.8600	44.6400	8.1468	1.8600	8.1468	N/A
VOC	5.5	0	0.1023	2.4552	0.4481	0.1023	0.4481	N/A
CO	21	0	0.3906	9.3744	1.7108	0.3906	1.7108	N/A
LEAD	0.0005	0	0.0000	0.0002	0.0000	0.0000	0.0000	N/A

Saxon Metals, Inc. - Totals

POLLUTANT	BEFORE CONTROLS			AFTER CONTROLS			ALLOWABLE	
	(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)	(lbs/hr)	(TPY)
PM	15.217	365.216	66.652	0.152	0.667	N/A	5.585	24.464
PM10	13.885	333.236	60.816	0.139	0.608	N/A	5.585	24.464
SOx	0.011	0.268	0.049	0.011	0.049	N/A	0.011	0.049
NOx	1.860	44.640	8.147	1.860	8.147	N/A	0.000	8.147
VOC	0.942	22.615	4.127	0.942	4.127	N/A	0.942	4.127
CO	0.391	9.374	1.711	0.391	1.711	N/A	0.391	1.711
LEAD	0.044	1.050	0.192	0.00045	0.002	N/A	0.00045	0.002

326 IAC 6.8-1-2(a)
 0.03 gr/dscf
 Combined total source limit