



Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

November 22, 2004

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

TO: Interested Parties / Applicant

RE: Newco Metals Processing, Inc / 093-19425-05064

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER-AM.dot 9/16/03



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Joseph E. Kernan
Governor

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Commissioner

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Indianapolis, Indiana 46206-6015
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November 22, 2004

Paul Boening
Newco Metals Processing, Inc.
4635 Peerless Road
Bedford, Indiana 47421

Re: **093-19425**
Second Administrative Amendment to
Part 70 093-7641-05064

Dear Mr. Boening:

Newco Metals Processing, Inc. was issued a Part 70 Operating Permit on September 1, 1999 for an aluminum processing source. A letter requesting a change to this operating permit was received on July 28, 2004.

Newco Metals Processing, Inc. requested to change the baghouse on the rotary furnace and also change the normal range of pressure drop for the re-ducted rotary furnace baghouse. In addition, Newco Metals Processing, Inc. requested that the rotary dryer be removed from the permit and all references to this dryer be deleted from the Part 70 Operating Permit.

Pursuant to the provisions of 326 IAC 2-7-11, the permit is hereby administratively amended and the changes are documented in the Technical Support Document. All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire revised Title V Operating Permit, with all modifications and amendments made to it, is being provided.

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 Mark L. Kramer, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Original Signed by

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

MLK/MES
Attachments

cc: File - Lawrence County
U.S. EPA, Region V
Lawrence County Health Department
Air Compliance Section Inspector - Dick Sekula
Compliance Branch
Administrative and Development Section
Technical Support and Modeling - Michele Boner

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Semi-Annual Compliance Monitoring Form

Emergency/Deviation Occurrence Report

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 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 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary aluminum processing source.

Responsible Official: Plant Manager
Source Address: 4635 Peerless Road, Bedford, Indiana 47421
Mailing Address: 4635 Peerless Road, Bedford, Indiana 47421
SIC Code: 3341
County Location: Lawrence
County Status: Attainment for all criteria pollutants
Source Status: Part 70 Permit Program
Major Source, under PSD Rules

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

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

- (a) One (1) natural gas-fired rotary furnace, identified as RF, with a maximum heat input capacity of 9.0 million British thermal units per hour, and a maximum capacity of 7,000 pounds of aluminum per hour, using a capture hood and a baghouse (DR-BH) as control, and exhausting to stack DR-BH-1.
- (b) One (1) conveyORIZED screen separator, identified as SS, with a maximum capacity of 8,000 pounds of scrap aluminum per hour, using a capture hood and a baghouse (SS-BH) as control, and exhausting to stack SS-BH.
- (c) One (1) double drum magnetic separator, identified as MS, with a maximum capacity of 3,000 pounds of scrap aluminum per hour, using a capture hood and a baghouse (MS-BH) as control, and exhausting to stack MS-BH.
- (d) One (1) hammermill, identified as HM, equipped with a baghouse (DR-BH) and exhausting to stack DR-BH-1, capacity: 7.5 tons of aluminum per hour.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source does not currently have any insignificant activities, as defined in 326 IAC 2-7-1 (21) that have applicable requirements.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [326 IAC 2-1-10] [IC 13]

- (a) 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 Part 70 permit under 326 IAC 2-7.
- (b) This prohibition shall not apply to alleged violations of applicable requirements for which the Commissioner has granted a permit shield in accordance with 326 IAC 2-1-3.2 or 326 IAC 2-7-15, as set out in this permit in the Section B condition entitled "Permit Shield."

B.2 Definitions [326 IAC 2-7-1]

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, any applicable definitions found in IC 13-11, 326 IAC 1-2 and 326 IAC 2-7 shall prevail.

B.3 Permit Term [326 IAC 2-7-5(2)]

This permit is issued for a fixed term of five (5) years from the effective date, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3.

B.4 Enforceability [326 IAC 2-7-7(a)]

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

B.5 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(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 nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.6 Severability [326 IAC 2-7-5(5)]

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.7 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

B.8 Duty to Supplement and Provide Information [326 IAC 2-7-4(b)] [326 IAC 2-7-5(6)(E)]

- (a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

- (b) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.

- (c) Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit. If the Permittee wishes to assert a claim of confidentiality over any of the furnished records, the Permittee must furnish such records to IDEM, OAQ, along with a claim of confidentiality under 326 IAC 17. If requested by IDEM, OAQ, or the U.S. EPA, to furnish copies of requested records directly to U. S. EPA, and if the Permittee is making a claim of confidentiality regarding the furnished records, then the Permittee must furnish such confidential records directly to the U.S. EPA along with a claim of confidentiality under 40 CFR 2, Subpart B.

B.9 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]

- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit constitutes a violation of the Clean Air Act and is grounds for:
- (1) Enforcement action;
 - (2) Permit termination, revocation and reissuance, or modification; or
 - (3) Denial of a permit renewal application.
- (b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

B.10 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)]

- (a) Any application form, report, or compliance certification submitted under this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification, and any other certification required under this permit, 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, on the attached Certification Form, with each submittal.
- (c) A responsible official is defined at 326 IAC 2-7-1(34).

B.11 Annual Compliance Certification [326 IAC 2-7-6(5)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The certification shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining compliance of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3);
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.12 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)]
[326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) within ninety (90) days after issuance of this permit, 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;
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond its control, the PMP cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

- (b) The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that lack of proper maintenance does not cause or contribute to a violation of any limitation on emissions or potential to emit.
- (c) PMP's shall be submitted to IDEM, OAQ, upon request and shall be subject to review and approval by IDEM, OAQ.

B.13 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-7-16.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or

Telephone Number: 317-233-5674 (ask for Compliance Section)

Facsimile Number: 317-233-5967

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted notice, either in writing or facsimile, of the emergency to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.

- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions) for sources subject to this rule after the effective date of this rule. This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(9) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in compliance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value.

Any operation shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

B.14 Permit Shield [326 IAC 2-7-15]

- (a) This condition provides a permit shield as addressed in 326 IAC 2-7-15.
- (b) This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits. Compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that:
 - (1) The applicable requirements are included and specifically identified in this permit; or
 - (2) The permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable.
- (c) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, including any term or condition from a previously issued construction or operation permit, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

- (d) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application.
- (e) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (f) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (g) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (h) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.15 Multiple Exceedances [326 IAC 2-7-5(1)(E)]

Any exceedance of a permit limitation or condition contained in this permit, which occurs contemporaneously with an exceedance of an associated surrogate or operating parameter established to detect or assure compliance with that limit or condition, both arising out of the same act or occurrence, shall constitute a single potential violation of this permit.

B.16 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within ten (10) calendar days from the date of the discovery of the deviation.

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:
 - (1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or
 - (2) An emergency as defined in 326 IAC 2-7-1(12); or
 - (3) Failure to implement elements of the Preventive Maintenance Plan unless lack of

maintenance has caused or contributed to a deviation.

- (4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred is a deviation.

- (c) Written notification shall be submitted on the attached Emergency/Deviation Occurrence Reporting Form or its substantial equivalent. The notification does not need to be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (d) Proper notice submittal under 326 IAC 2-7-16 satisfies the requirement of this subsection.

B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)]
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.18 Permit Renewal [326 IAC 2-7-4]
[326 IAC 2-7-4]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

- (b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]
- (1) A timely renewal application is one that is:
- (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
- (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due. [326 IAC 2-5-3]
- (2) If IDEM, OAQ, upon receiving a timely and complete 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, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-7-3]
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 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.
- (d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]
If IDEM, OAQ, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

B.19 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015
- Any such application should be certified by the "responsible official" as defined by 326 IAC 2-7-1(34) only if a certification is required by the terms of the applicable rule.
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-

11(c)(3)]

B.20 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]
[326 IAC 2-7-12 (b)(2)]

- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1)(D)(i) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.21 Changes Under Section 502(b)(10) of the Clean Air Act [326 IAC 2-7-20(b)]

The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a) and the following additional conditions:

- (a) For each such change, the required written notification shall include a brief description of the change within the source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.
- (b) The permit shield, described in 326 IAC 2-7-15, shall not apply to any change made under 326 IAC 2-7-20(b).

B.22 Operational Flexibility [326 IAC 2-7-20]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-1 has been obtained;
- (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-7-20(b), (c)(1), and (e)(2).

- (b) For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:
 - (1) A brief description of the change within the source;
 - (2) The date on which the change will occur;
 - (3) Any change in emissions; and
 - (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(c)]

The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]

The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.23 Construction Permit Requirement [326 IAC 2]

Except as allowed by Indiana P.L. 130-1996 Section 12, as amended by P.L. 244-1997, modification, construction, or reconstruction shall be approved as required by and in accordance with 326 IAC 2.

B.24 Inspection and Entry [326 IAC 2-7-6(2)]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

- (c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements. [326 IAC 2-7-6(6)]
 - (1) The Permittee may assert a claim that, in the opinion of the Permittee, information removed or about to be removed from the source by IDEM, OAQ, or an authorized representative, contains information that is confidential under IC 5-14-3-4(a). The claim shall be made in writing before or at the time the information is removed from the source. In the event that a claim of confidentiality is so asserted, neither IDEM, OAQ, nor an authorized representative, may disclose the information unless and until IDEM, OAQ, makes a determination under 326 IAC 17-1-7 through 326 IAC 17-1-9 that the information is not entitled to confidential treatment and that determination becomes final. [IC 5-14-3-4; IC 13-14-11-3; 326 IAC 17-1-7 through 326 IAC 17-1-9]
 - (2) The Permittee, and IDEM, OAQ, acknowledge that the federal law applies to claims of confidentiality made by the Permittee with regard to information removed or about to be removed from the source by U.S. EPA. [40 CFR Part 2, Subpart B]

B.25 Transfer of Ownership or Operation [326 IAC 2-1-6] [326 IAC 2-7-11]
Pursuant to 326 IAC 2-1-6 and 326 IAC 2-7-11:

- (a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAQ, Permits Branch, within thirty (30) days of the change. Notification shall include a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the Permittee and the new owner.
- (b) The written notification shall be sufficient to transfer the permit to the new owner by an administrative amendment pursuant to 326 IAC 2-7-11. The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) IDEM, OAQ, shall reserve the right to issue a new permit.

B.26 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. If the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-0425 (ask for OAQ, Technical Support and Modeling Section), to determine the appropriate permit fee.

B.27 Enhanced New Source Review [326 IAC 2]

The requirements of the construction permit rules in 326 IAC 2 are satisfied by this permit for any previously unpermitted facilities and facilities to be constructed within eighteen (18) months after the date of issuance of this permit, as listed in Sections A.2 and A.3.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-7-5(1)]

C.1 Major Source

Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21, this source is a major source.

C.2 Particulate Matter Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2(c), the allowable particulate matter emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 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. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

C.5 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.6 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). 326 IAC 6-4-2(4) is not federally enforceable.

C.7 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall currently be controlled according to the plan submitted on December 12, 1996. If the plan is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable plan. The current plan consists of:

- (a) furnaces being located indoors when possible.

- (b) furnaces being inclosed on three sides and the hoods being enclosed on three sides when the furnaces must be located outside.
- (c) fugitive emissions from the unpaved roads and parking areas being treated with water or a suitable and effective dust suppressant approved by the commissioner as needed.
- (d) aggregate piles being relocated indoors where possible.
- (e) areas around the aggregate piles being cleaned and swept as needed.
- (f) vehicle transfer distance between furnaces and piles being minimized.
- (g) the application of water or a suitable and effective chemical dust suppressants being used to minimize visible emissions from the aggregate piles where necessary.
- (h) the frequency, if applicable, of water or chemical spray being as needed.

C.8 Operation of Equipment [326 IAC 2-7-6(6)]

All air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]

- (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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) Procedures for Asbestos Emission Control
The Permittee shall comply with the emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 emission control requirements are mandatory 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) 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 that the inspector be accredited is federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.10 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 methods 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, P. O. Box 6015
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The Permittee shall submit a notice of the actual test date to the above address so that it is received at least two weeks prior to the test date.

- (b) All test reports must be received by IDEM, OAQ within forty-five (45) days after the completion of the testing. An extension may be granted by the Commissioner, if the source submits to IDEM, OAQ, a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

The documentation submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

C.11 Compliance Schedule [326 IAC 2-7-6(3)]

The Permittee:

- (a) Has certified that all facilities at this source are in compliance with all applicable requirements; and

- (b) Has submitted a statement that the Permittee will continue to comply with such requirements; and
- (c) Will comply with such applicable requirements that become effective during the term of this permit.

C.12 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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, no more than ninety (90) days after receipt of this permit. If due to circumstances beyond its control, this schedule cannot be met, the Permittee may extend compliance schedule an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

C.13 Maintenance of Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

- (a) In the event that a breakdown of the monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem. To the extent practicable, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less frequent than required in Section D of this permit until such time as the monitoring equipment is back in operation. In the case of continuous monitoring, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less than one (1) hour until such time as the continuous monitor is back in operation.
- (b) The Permittee shall install, calibrate, quality assure, maintain, and operate all necessary monitors and related equipment. In addition, prompt corrective action shall be initiated whenever indicated.

C.14 Monitoring Methods [326 IAC 3]

Any monitoring or testing performed to meet the applicable requirements of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, or other approved methods as specified in this permit.

C.15 Pressure Gauge and Temperature Sensor Specifications

Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device or temperature of any part of a unit or control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]

C.16 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within ninety (90) days after the date of issuance of this permit.

The ERP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.17 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]

If a regulated substance, subject to 40 CFR 68, is present in a process in more than the threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall:

- (a) Submit:
 - (1) A compliance schedule for meeting the requirements of 40 CFR 68 by the date provided in 40 CFR 68.10(a); or
 - (2) As a part of the compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP); and
 - (3) A verification to IDEM, OAQ, that a RMP or a revised plan was prepared and submitted as required by 40 CFR 68.
- (b) Provide annual certification to IDEM, OAQ, that the Risk Management Plan is being properly implemented.

All documents submitted pursuant to this condition shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

C.18 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]
[326 IAC 1-6]

- (a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. This compliance monitoring plan is comprised of:
- (1) This condition;
 - (2) The Compliance Determination Requirements in Section D of this permit;
 - (3) The Compliance Monitoring Requirements in Section D of this permit;
 - (4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and
 - (5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAQ upon request and shall be subject to review and approval by IDEM, OAQ. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of:
 - (A) Response steps that will be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and
 - (B) A time schedule for taking such response steps including a schedule for devising additional response steps for situations that may not have been predicted.
- (b) For each compliance monitoring condition of this permit, appropriate response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to perform the actions detailed in the compliance monitoring conditions or failure to take the response steps within the time prescribed in the Compliance Response Plan, shall constitute a violation of the permit unless taking the response steps set forth in the Compliance Response Plan would be unreasonable.
- (c) After investigating the reason for the excursion, the Permittee is excused from taking further response steps for any of the following reasons:
- (1) The monitoring equipment malfunctioned, giving a false reading. This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied or;
 - (3) An automatic measurement was taken when the process was not operating; or
 - (4) The process has already returned to operating within "normal" parameters and no response steps are required.

- (d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

C.19 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

- (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 corrective actions. The Permittee shall submit a description of these corrective actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. IDEM, OAQ shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM, OAQ within thirty (30) days of receipt of the notice of deficiency. IDEM, OAQ reserves the authority to use enforcement activities to resolve noncompliant stack tests.
- (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 and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected facility.

The documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.20 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

- (a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by July 1 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:
 - (1) Indicate actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);
 - (2) Indicate actual emissions of other regulated pollutants from the source, for purposes of Part 70 fee assessment.
- (b) The annual emission statement covers the twelve (12) consecutive month time period starting January 1 and ending December 31. The annual emission statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

- (c) The annual emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is

due.

C.21 Monitoring Data Availability [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)]

- (a) With the exception of performance tests conducted in accordance with Section C- Performance Testing, all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.
- (b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.
- (c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.
- (d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.
- (e) At its discretion, IDEM may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.
- (f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements stated in (a) above.

C.22 General Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-6]

- (a) Records of all required monitoring data and support information 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 kept at the source location for a minimum of three (3) years and available upon the request of an IDEM, OAQ, representative. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Records of required monitoring information shall include, where applicable:
 - (1) The date, place, and time of sampling or measurements;
 - (2) The dates analyses were performed;
 - (3) The company or entity performing the analyses;
 - (4) The analytic techniques or methods used;
 - (5) The results of such analyses; and
 - (6) The operating conditions existing at the time of sampling or measurement.
- (c) Support information shall include, where applicable:
 - (1) Copies of all reports required by this permit;

- (2) All original strip chart recordings for continuous monitoring instrumentation;
 - (3) All calibration and maintenance records;
 - (4) Records of preventive maintenance shall be sufficient to demonstrate that improper maintenance did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.
- (d) All record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.23 General Reporting Requirements [326 IAC 2-7-5(3)(C)]

- (a) To affirm that the source has met all the compliance monitoring requirements stated in this permit the source shall submit a Semi-annual Compliance Monitoring Report. Any deviation from the requirements and the date(s) of each deviation must be reported.
- (b) The report required in (a) of this condition and 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, P. O. Box 6015
Indianapolis, Indiana 46206-6015
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, any semi-annual report shall be submitted within thirty (30) days of the end of the reporting period.
- (e) All instances of deviations as described in Section B- Deviations from Permit Requirements Conditions must be clearly identified in such reports.
- (f) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.
- (g) 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.

The documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Stratospheric Ozone Protection

C.24 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1

The facility in Section D.1 and all associated conditions have been deleted.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

- (a) One (1) natural gas-fired rotary furnace, identified as RF, with a maximum heat input capacity of 9.0 million British thermal units per hour, and a maximum capacity of 7,000 pounds of aluminum per hour, using a capture hood and a baghouse (DR-BH) as control, and exhausting to stack DR-BH-1.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Particulate Matter (PM₁₀) [326 IAC 2-2] [40 CFR 52.21, PSD]

The potential to emit PM₁₀ from the rotary furnace shall be limited to less than 3.42 pounds per hour. This will limit the potential to emit PM₁₀ from the rotary furnace to less than 15 tons per year. Thus, the requirements of 326 IAC 2-2 and 40 CFR 52.21, PSD, are not applicable.

D.2.2 Particulate Matter (PM) [326 IAC 6-3-2(e)] [326 IAC 2-2] [40 CFR 52.21, PSD]

- (a) Pursuant to 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the rotary furnace shall not exceed 9.49 pounds per hour, when operating at a process weight rate of 7,000 pounds per hour.

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

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

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

- (b) The potential to emit PM from the rotary furnace shall be limited to less than 5.71 pounds per hour. This will limit the potential to emit PM from the rotary furnace to less than 25 tons per year. Thus, the requirements of 326 IAC 2-2 and 40 CFR 52.21, PSD, are not applicable.

D.2.3 General Provisions Relating to NESHAP [326 IAC 20-1] [40 CFR Part 63, Subpart A]

The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 20-1, apply to the one (1) rotary furnace, identified as RF, as of March 23, 2004, except when otherwise specified in 40 CFR Part 63, Subpart RRR.

D.2.4 Emission Standards for Secondary Aluminum Production [40 CFR Part 63.1505, Subpart RRR]

Pursuant to 40 CFR 63.1505(i) and (k), on and after the date of approval of the Operation, Maintenance and Monitoring Plan by IDEM, OAQ, the rotary furnace, which is considered a Group I furnace that does not only process clean charge, but does not have a sidewall or inline fluxer, shall comply with the following limits, based on a 3-day, 24-hour rolling average emission rate:

- (a) 0.20 kg of PM per Mg (0.40 lb of PM per ton) of feed/charge;
- (b) 15 Fg of D/F TEQ per Mg (2.1×10^{-4} gr of D/F TEQ per ton) of feed/charge; and
- (c) 0.20 kg of HCl per Mg (0.40 lb of HCl per ton) of feed/charge.

D.2.5 Operating Requirements for Secondary Aluminum Production [40 CFR Part 63.1506, Subpart RRR]
Pursuant to 40 CFR Part 63.1506, the following conditions shall apply to the one (1) rotary furnace, identified as RF, as of March 23, 2004:

- (a) Pursuant to 40 CFR 63.1506(b), the Permittee shall provide and maintain easily visible labels at the rotary furnace that identifies the applicable emission limit and means of compliance. The labels shall include:
 - (1) The type of affected emission unit (i.e., Group 1 Furnace); and
 - (2) The applicable operational standard and control method, including the type of charge to be used in the furnace, flux materials and addition practices, and the applicable operating parameter ranges and requirements as incorporated in the Operation, Maintenance, and Monitoring (OM&M) Plan.
- (b) Pursuant to 40 CFR 63.1506(c), the Permittee shall:
 - (1) Design and install a system for the capture and collection of emissions to meet the engineering standards for minimum exhaust rates as published by the American Conference of Governmental Industrial Hygienists in chapters 3 and 5 of "Industrial Ventilation: A Manual of Recommended Practice";
 - (2) Vent captured emissions through a closed system, except that dilution air may be added to emission streams for the purpose of controlling temperature at the inlet to a fabric filter; and
 - (3) Operate each capture/collection system according to the procedures and requirements in the Operation, Maintenance, and Monitoring Plan.
- (c) Pursuant to 40 CFR 63.1506(d), the Permittee shall install and operate a device that measures and records or otherwise determine the weight of feed/charge (or throughput) for each operating cycle or time period used in the performance test. The Permittee shall operate each measurement system or other weight determination procedure in accordance with the Operation, Maintenance, and Monitoring Plan.
- (d) Pursuant to 40 CFR 63.1506(p), when a process parameter deviates from the value or range established during the performance test and incorporated in the Operation, Maintenance, and Monitoring Plan, the Permittee shall initiate corrective action. The corrective action shall restore operation of the affected emission unit (including the process or control device) to its normal or usual mode of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. Corrective actions taken shall include follow-up actions necessary to return the process or control device parameter level(s) to the value or range of values established during the performance test and steps to prevent the likely recurrence of the cause of the deviation.

D.2.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.

D.2.7 Opacity [326 IAC 2-1-3(i)(B)]

Pursuant to CP 093-5345-05064, issued November 7, 1996, visible emissions escaping the capture hood shall not exceed twenty percent (20%) opacity, taken as an average of three (3) readings taken five (5) seconds apart.

Compliance Determination Requirements

D.2.8 Testing Requirements [326 IAC 2-7-6(1),(6)][40 CFR Part 63.1511, Subpart RRR]

- (a) During the period between 30 and 36 months after issuance of this permit (T 093-7641-05064, issued on September 1, 1999), the Permittee shall perform PM testing utilizing Methods 5 or 17 (40 CFR 60, Appendix A), or other methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.
- (b) Within 180 days after March 23, 2004, which is the final compliance date for Subpart RRR, in order to demonstrate compliance with Conditions D.2.4(b) and (c), the Permittee shall perform HCl and D/F testing on the baghouse, identified as DR-BH, using methods as approved by the Commissioner. When testing the baghouse, the rotary furnace shall be operated at ninety-five percent (95%) or more of its maximum design capacities. Testing shall be conducted in accordance with Section C- Performance Testing. This test shall be repeated at least once every two and half (2.5) years from the date of this valid compliance demonstration.
- (1) Pursuant to 40 CFR 63.1511(a), prior to conducting the performance test required by 40 CFR 63, Subpart RRR, the Permittee shall prepare and submit a site-specific test plan in compliance with 40 CFR 63.7(c).
- (2) Pursuant to 40 CFR 63.1511(b), following approval of the site-specific test plan, the Permittee shall demonstrate initial compliance with each applicable emission, equipment, work practice, or operational standard for each affected unit and report the results in the notification of compliance report. The Permittee shall conduct performance tests in accordance with the requirements in 40 CFR 63, Subpart A and 40 CFR 63, Subpart RRR. The Permittee shall use Method 23 in Appendix A to 40 CFR 60 or an alternative method approved by IDEM, OAQ, to measure the concentration of D/F.
- (3) Pursuant to 40 CFR 63.1511(g), the Permittee shall establish a minimum or maximum operating parameter value, or an operating parameter range for each parameter to be monitored as required by 40 CFR 63.1510 that ensures compliance with the applicable emission limit for D/F. The Permittee may use existing data in addition to the results of the performance test to establish operating parameter values for compliance monitoring provided the requirements of 40 CFR 63.1511(g) are met.
- (c) Within 180 days after issuance of AAT 093-19425-05064, in order to demonstrate compliance with Condition D.2.4(a), the Permittee shall perform PM testing on the baghouse, identified as DR-BH, using methods as approved by the Commissioner. When testing the baghouse, the rotary furnace shall be operated at ninety-five percent (95%) or more of its maximum design capacities. Testing shall be conducted in accordance with Section C- Performance Testing. This test shall be repeated at least once every two and half (2.5) years from the date of this valid compliance demonstration. This test for PM emissions shall also satisfy the requirements of Condition D.2.8(a).
- (1) Pursuant to 40 CFR 63.1511(a), prior to conducting the performance test required by 40 CFR 63, Subpart RRR, the Permittee shall prepare and submit a site-specific test plan in compliance with 40 CFR 63.7(c).

- (2) Pursuant to 40 CFR 63.1511(b), following approval of the site-specific test plan, the Permittee shall demonstrate initial compliance with each applicable emission, equipment, work practice, or operational standard for each affected unit and report the results in the notification of compliance report. The Permittee shall conduct performance tests in accordance with the requirements in 40 CFR 63, Subpart A and 40 CFR 63, Subpart RRR.
- (d) During the period between 30 and 36 months after issuance of SPM 093-15313-05064, in order to demonstrate compliance with Condition D.2.1, the Permittee shall perform PM₁₀ testing utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM₁₀ includes filterable and condensable PM₁₀. Testing shall be conducted in accordance with Section C- Performance Testing.

D.2.9 Particulate Matter (PM)

- (a) Pursuant to CP 093-5345-05064, issued November 7, 1996, the capture hood and baghouses for PM control shall be in operation at all times when the corresponding rotary furnaces are in operation.
- (b) Pursuant to CP 093-5345-05064, issued November 7, 1996, the capture hoods shall either be enclosed on three sides (if the furnace is located outdoors), or be located with the furnace inside a building to minimize drafts.
- (c) Pursuant to CP 093-5345-05064, issued November 7, 1996, the waste dross cooling area shall either be covered and piped to a baghouse, or be located inside a building to minimize emissions.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.2.10 Visible Emissions Notations

- (a) Visible emission notations of the baghouse stack (DR-BH-1) exhaust shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. 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) Pursuant to CP 093-5345-05064, issued November 7, 1996, and Condition D.2.7, notations of visible emissions escaping the capture hood shall be performed.
- (f) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.2.11 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the rotary furnace, at least once per working shift when the rotary furnace is in operation when

venting to the atmosphere. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across baghouse DR-BH shall be maintained within the range of 0.5 and 5.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The instruments used for determining the pressure shall comply with Section C - Pressure Gauge and Temperature Sensor Specifications, of this permit, shall be subject to approval by IDEM, OAM, and shall be calibrated at least once every six (6) months.

D.2.12 Broken Bag or Failed Bag Detection

In the event that bag failure has been observed:

- (a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

D.2.13 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the rotary furnace when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be replaced.

D.2.14 Monitoring Requirements for Secondary Aluminum Production [40 CFR Part 63.1510, Subpart RRR]

Pursuant to 40 CFR 63.1510(a), on and after the date the initial performance test is conducted or required to be conducted, whichever date is earlier, the Permittee shall monitor the rotary furnace and the baghouse according to the following requirements:

- (a) Pursuant to 40 CFR 63.1510(t), the Permittee shall calculate and record the 3-day, 24-hour rolling average emissions of PM, HCl, and D/F for the rotary furnace, on a daily basis. To calculate the 3-day, 24-hour rolling average, the Permittee shall:
 - (1) Calculate and record the total weight of material charged to the furnace for each 24-hour day of operation using the feed/charge weight data collected as required under Subpart RRR.
 - (2) Multiply the total feed/charge weight to the furnace for the 24-hour period by the emission rate (in lb/ton of feed/charge) for that emission unit (as determined during the emission test) to provide emissions for each emission unit for the 24-hour period, in pounds.
 - (3) Divide the total emissions for the furnace for the 24-hour period by the total material charged to the furnace.

- (4) Compute the 24-hour daily emission rate using the equation:

$$E_{day} = \frac{\sum_{i=1}^n (T_i \times ER_i)}{\sum_{i=1}^n T_i}$$

Where,

- E_{day} = The daily respective PM, HCl, or D/F emission rate for the secondary aluminum processing unit for the 24-hour period;
- T_i = The total amount of feed, or aluminum produced, for emission unit i for the 24-hour period in tons;
- ER_i = The measured emission rate for emission unit i as determined in the performance test (lb/ton or Fg/Mg or feed/charge); and
- n = The number of emission units in the secondary aluminum processing unit.

- (5) Calculate and record the 3-day, 24-hour rolling average for each pollutant each day by summing the daily emission rates for each pollutant over the 3 most recent consecutive days and dividing by 3.
- (b) Pursuant to 40 CFR 63.1510(b), the Permittee shall prepare a written Operation, Maintenance, and Monitoring (OM&M) Plan and shall submit the plan to the IDEM, OAQ, for review and approval. Any subsequent changes to the plan shall be submitted to the IDEM, OAQ, for review and approval. Pending approval of the initial or amended plan, the Permittee shall comply with the conditions of the submitted plan. The plan shall include the following information:
- (1) The process and control device parameters to be monitored to determine compliance, along with established operating levels or ranges, as applicable, for each affected unit and control device.
 - (2) A monitoring schedule for each affected unit.
 - (3) Procedures for the proper operation and maintenance of each affected unit and control device used to meet the applicable emission limit in 40 CFR 63.1505.
 - (4) Procedures for the proper operation and maintenance of monitoring devices or systems used to determine compliance, including:
 - (A) Calibration and certification of accuracy of each monitoring device, at least once every six (6) months, according to the manufacturer's instructions; and
 - (B) Procedures for the quality control and quality assurance of continuous emission or opacity monitoring systems as required by the general provisions in 40 CFR 63, Subpart A.
 - (5) Procedures for monitoring process and control parameters.

- (6) Corrective actions to be taken when process operating parameters or add-on control device parameters deviate from the value or range established in (1) above, including:
 - (A) Procedures to determine and record the cause of a deviation or excursion, and the time the deviation or excursion began and ended; and
 - (B) Procedures for recording the corrective action taken, the time corrective action was initiated, and the time and date corrective action was completed.
- (7) A maintenance schedule for each affected unit and control device that is consistent with the manufacturer's instructions and recommendations for routine and long-term maintenance.
- (c) Pursuant to 40 CFR 63.1510(c), the Permittee shall inspect the labels for the rotary furnace at least once per calendar month to confirm that posted labels as required by the operational standard in 40 CFR 63.1506(b) are intact and legible.
- (d) Pursuant to 40 CFR 63.1510(d), the Permittee shall:
 - (1) Install, operate, and maintain a capture/collection system for the furnace; and
 - (2) Inspect each capture/collection and closed vent system at least once each calendar year to ensure that each system is operating in accordance with the operating requirements in 40 CFR 63.1506(c) and record the results of each inspection.
- (e) Pursuant to 40 CFR 63.1510(e), the Permittee shall install, calibrate, operate, and maintain a device to measure and record the total weight of feed/charge to the furnace over the same operating cycle or time period used in the performance test. The accuracy of the weight measurement device or procedure shall be within one (1) percent of the weight being measured. The Permittee shall verify the calibration of the weight measurement device in accordance with the schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every six (6) months.
- (f) Pursuant to 40 CFR 63.1510(f)(1), the Permittee shall install, calibrate, maintain, and continuously operate a bag leak detection system for the baghouse controlling emissions from the rotary furnace. The following requirements shall apply:
 - (1) The Permittee shall install and operate a bag leak detection system for each exhaust stack of a fabric filter.
 - (2) Each triboelectric bag leak detection system shall be installed, calibrated, operated, and maintained according to the "Fabric Filter Bag Leak Detection Guidance," (September 1997). Other bag leak detection systems shall be installed, operated, calibrated, and maintained in a manner consistent with the manufacturer's written specifications and recommendations.
 - (3) The bag leak detection system shall be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 10 milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less.
 - (4) The bag leak detection system sensor shall provide output of relative or absolute PM loadings.

- (5) The bag leak detection system shall be equipped with a device to continuously record the output signal from the sensor.
 - (6) The bag leak detection system shall be equipped with an alarm system that will sound automatically when an increase in relative PM emissions over a preset level is detected. The alarm shall be located where it is easily heard by plant operating personnel.
 - (7) For positive pressure fabric filter systems, a bag leak detection system shall be installed in each baghouse compartment or cell. For negative pressure or induced air fabric filters, the bag leak detector shall be installed downstream of the fabric filter.
 - (8) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.
 - (9) The baseline output shall be established by adjusting the range and the averaging period of the device and establishing the alarm set points and the alarm delay time.
 - (10) Following initial adjustment of the system, the Permittee shall not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time except as detailed in the OM&M plan. In no case may the sensitivity be increased by more than 100 percent or decreased more than 50 percent over a 365-day period unless such adjustment follows a complete fabric filter inspection which demonstrates that the fabric filter is in good operating condition.
- (g) Pursuant to 63.1510(j), the Permittee shall:
- (1) Install, calibrate, operate, and maintain a device to continuously measure and record the weight of flux injected into each affected unit. The monitoring system shall record the weight for each fifteen (15) minute period, during which reactive fluxing occurs, over the same operating cycle or time period used in the performance test. The accuracy of the weight measurement shall be within one (1) percent of the weight of the reactive component of the flux being measured. The Permittee shall verify the calibration of the weight measurement device in accordance with the schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every six (6) months.
 - (2) Calculate and record the flux injection rate (kg/Mg or lb/ton) for each operating cycle or time period used in the performance test.
 - (3) Record, for each fifteen (15) minute time period during each operating cycle or time period used in the performance test during which reactive fluxing occurs, the time, weight, and type of flux for each addition of reactive flux.
 - (4) Calculate and record the total reactive flux injection rate for each operating cycle or time period used in the performance test.

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.15 Record Keeping Requirements

- (a) To document compliance with Condition D.2.10, the Permittee shall maintain records of visible emission notations of the baghouse stack (DR-BH-1) exhaust once per shift.

- (b) To document compliance with Condition D.2.11, the Permittee shall maintain the following:
 - (1) Records of the following operational parameters once per shift during normal operation when venting to the atmosphere:
 - Total static pressure drop
 - (2) Records of inlet temperature sensor alarms.
 - (3) Documentation of all response steps implemented, per event.
 - (4) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.
 - (5) Quality Assurance/Quality Control (QA/QC) procedures.
 - (6) Operator standard operating procedures (SOP).
 - (7) Manufacturer's specifications or its equivalent.
 - (8) Equipment "troubleshooting" contingency plan.
 - (9) Documentation of the dates vents are redirected.
- (c) To document compliance with Condition D.2.13, the Permittee shall maintain records of the results of the inspections required under Condition D.2.13 and the dates the vents are redirected.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.
- (e) As of March 23, 2004, as required by 40 CFR 63.10(b), the Permittee shall maintain files of all information (including all reports and notifications) required by the general provisions and Part 63, Subpart RRR.
 - (1) The Permittee shall retain each record for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The most recent two (2) years of records shall be retained at the facility. The remaining three (3) years of records may be retained off site.
 - (2) The Permittee may retain records on microfilm, computer disks, magnetic tape, or microfiche; and
 - (3) The Permittee may report required information on paper or on a labeled computer disk using commonly available and EPA-compatible computer software.
- (f) As of March 23, 2004, in addition to the general records required by 40 CFR 63.10(b), the Permittee shall maintain records of:
 - (1) The number of total operating hours for the affected source or emission unit during each six- (6-) month reporting period, records of each alarm, the time of the alarm, the time corrective action was initiated and completed, and a brief description of the cause of the alarm and the corrective action(s) taken.
 - (2) Records of 15-minute block average weights of gaseous or liquid reactive flux

injection, total reactive flux injection rate and calculations (including records of the identity, composition, and weight of each addition of gaseous, liquid or solid reactive flux), including records of any period the rate exceeds the compliant operating parameter value and corrective action taken.

- (3) Records of feed/charge (or throughput) weights for each operating cycle or time period used in the performance test.
- (4) Records of monthly inspections for proper unit labeling.
- (5) Records of annual inspections of emission capture/collection and closed vent systems.
- (6) Records for any approved alternative monitoring or test procedure.
- (7) Current copy of all required plans, including any revisions, with records documenting conformance with the applicable plan, including:
 - (A) Startup, shutdown, and malfunction plan; and
 - (B) OM&M plan.
- (8) Records of total charge weight for each twenty-four- (24-) hour period and calculations of three- (3-) day, twenty-four- (24-) hour rolling average emissions.

D.2.16 Notifications and Reports for Secondary Aluminum Production [40 CFR Part 63.1515 and 63.1516, Subpart RRR]

- (a) Pursuant to 40 CFR 63.1515(a)(6), as required by 40 CFR 63.9(e) and (f), the Permittee shall provide notification of the anticipated date for conducting performance tests. The Permittee shall notify the IDEM, OAQ, of the intent to conduct a performance test at least 60 days before the performance test is scheduled.
- (b) Pursuant to 40 CFR 63.1515(b), the Permittee shall submit a notification of compliance status reports no more than 60 days after March 23, 2004 for the rotary furnace. The notification shall be signed by the responsible official who must certify its accuracy. The report shall include:
 - (1) All information required in 40 CFR 63.9(h). The Permittee shall provide a complete performance test report for each affected unit, including data, associated measurements, and calculations.
 - (2) The approved site-specific test plan and performance evaluation test results for each continuous monitoring system.
 - (3) Unit labeling as described in 40 CFR 63.1506(b), including process type or each affected unit classification and operating requirements.
 - (4) The compliant operating parameter value or range established for each affected source or emission unit with supporting documentation and a description of the procedure used to establish the value (e.g., alkaline agent injection rate, fabric filter inlet temperature), including the operating cycle or time period used in the performance test.
 - (5) Design information and analysis, with supporting documentation, demonstrating

- conformance with the requirements for the capture/collection system required in 40 CFR 63.1506(c).
- (6) Analysis and supporting documentation demonstrating conformance with EPA guidance and specifications for bag leak detection systems required in 40 CFR 63.1510(f).
 - (7) Approved Operation, Maintenance, and Monitoring Plan.
 - (8) Startup, shutdown, and malfunction plan.
- (c) Pursuant to 40 CFR 63.1516(a), prior to March 23, 2004, the Permittee shall develop and implement a written plan that contains specific procedures to be followed for operating and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the emission limit. The Permittee shall keep records of each event as required by 40 CFR 63.10(b) and record and report if an action taken during startup, shutdown, or malfunction is not consistent with the procedures in the startup, shutdown, and malfunction plan. The plan shall include the following:
- (1) The procedures to determine and record the cause of a malfunction and the time the malfunction began and ended; and
 - (2) Corrective actions to be taken in the event of a malfunction of a process or control device, including the actions taken to correct the malfunction or minimize emissions.
- (d) Pursuant to 40 CFR 63.1516(b), beginning in 2004, the Permittee shall submit a semi-annual report within 60 days after the end of each six (6) month period detailing all deviations from the Operation, Maintenance, and Monitoring Plan. When no deviations have occurred, the Permittee shall submit a report stating that no excess emissions occurred during the reporting period. A report shall be submitted if any of these conditions occur during a six- (6-) month reporting period:
- (1) The corrective action specified in the OM&M plan for a bag leak detection system alarm was not initiated within one (1) hour.
 - (2) An excursion of a compliant process or operating parameter value or range (e.g., total reactive chlorine flux injection rate, fabric filter inlet temperature, definition of acceptable scrap, or other approved operating parameter).
 - (3) An action taken during a startup, shutdown, or malfunction was not consistent with the procedures in the plan as described in 40 CFR 63.6(e)(3).
 - (4) An affected source (including an emission unit in a secondary aluminum processing unit) was not operated according to the requirements of Subpart RRR.
 - (5) A deviation from the three- (3-) day, twenty-four (24-) hour rolling average emission limit for the furnace.
- (e) Pursuant to 40 CFR 63.1516(b)(3), the Permittee shall submit the results of any performance test conducted during the reporting period, including one complete report documenting test methods and procedures, process operation, and monitoring parameter ranges or values for each test method used for a particular type of emission point tested.

- (f) As of March 23, 2004, for the purpose of annual certifications of compliance required by 40 CFR Part 70 or 71, the owner or operator shall certify continuing compliance based upon, but not limited to, the following conditions:
- (1) Any period of excess emissions, as defined in paragraph (b)(1) of this section, that occurred during the year were reported as required by Part 63, Subpart RRR; and
 - (2) All monitoring, record keeping, and reporting requirements were met during the year.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

- (c) One (1) conveyORIZED screen separator, identified as SS, with a maximum capacity of 8,000 pounds of scrap aluminum per hour, using a capture hood and a baghouse (SS-BH) as control, and exhausting to stack SS-BH.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Particulate Matter (PM) [326 IAC 6-3-2(e)]

Pursuant to 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the conveyORIZED screen separator shall not exceed 10.4 pounds per hour when operating at a process weight rate of 8,000 pounds per hour.

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

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

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

D.3.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.

Compliance Determination Requirements

D.3.3 Testing Requirements [326 IAC 2-7-6(1),(6)]

During the period between 30 and 36 months after issuance of this permit (T 093-7641-05064, issued on September 1, 1999), the Permittee shall perform PM testing utilizing Methods 5 or 17 (40 CFR 60, Appendix A), or other methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.

D.3.4 Particulate Matter (PM)

The capture hood and baghouse (SS-BH) for PM control shall be in operation at all times when the conveyORIZED screen separator is in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.3.5 Visible Emissions Notations

- (a) Daily visible emission notations of the baghouse stack (SS-BH) exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. 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) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.3.6 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the conveyORIZED screen separator, at least once per working shift when the conveyORIZED screen separator is in operation when venting to the atmosphere. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across baghouse SS-BH shall be maintained within the range of 0.5 and 5.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Temperature Sensor Specifications, of this permit, shall be subject to approval by IDEM, OAM, and shall be calibrated at least once every six (6) months.

D.3.7 Broken Bag or Failed Bag Detection

In the event that bag failure has been observed:

- (a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

D.3.8 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the one (1) conveyORIZED screen separator when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be replaced.

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.3.9 Record Keeping Requirements

- (a) To document compliance with Condition D.3.5, the Permittee shall maintain records of daily visible emission notations of the baghouse stack (SS-BH) exhaust.
- (b) To document compliance with Condition D.3.6, the Permittee shall maintain the following:

- (1) Records of the following operational parameters once per shift during normal operation when venting to the atmosphere:

Total static pressure drop
 - (2) Documentation of all response steps implemented, per event.
 - (3) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.
 - (4) Quality Assurance/Quality Control (QA/QC) procedures.
 - (5) Operator standard operating procedures (SOP).
 - (6) Manufacturer's specifications or its equivalent.
 - (7) Equipment "troubleshooting" contingency plan.
 - (8) Documentation of the dates vents are redirected.
- (c) To document compliance with Condition D.3.8, the Permittee shall maintain records of the results of the inspections required under Condition D.3.8 and the dates the vents are redirected.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

- (d) One (1) double drum magnetic separator, identified as MS, with a maximum capacity of 3,000 pounds of scrap aluminum per hour, using a capture hood and a baghouse (MS-BH) as control, and exhausting to stack MS-BH.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.4.1 Particulate Matter (PM) [326 IAC 6-3-2(e)]

Pursuant to 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the double drum magnetic separator shall not exceed 5.38 pounds per hour when operating at a process weight rate of 3,000 pounds per hour.

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

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

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

D.4.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.

Compliance Determination Requirements

D.4.3 Testing Requirements [326 IAC 2-7-6(1),(6)]

During the period between 30 and 36 months after issuance of this permit (T 093-7641-05064, issued on September 1, 1999), the Permittee shall perform PM testing utilizing Methods 5 or 17 (40 CFR 60, Appendix A), or other methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.

D.4.4 Particulate Matter (PM)

The capture hood and baghouse (MS-BH) for PM control shall be in operation at all times when the double drum magnetic separator is in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.4.5 Visible Emissions Notations

- (a) Daily visible emission notations of the baghouse stack (MS-BH) exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. 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) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.4.6 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the double drum magnetic separator, at least once per working shift when the double drum magnetic separator is in operation when venting to the atmosphere. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across baghouse MS-BH shall be maintained within the range of 0.5 and 5.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Temperature Sensor Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.4.7 Broken Bag or Failed Bag Detection

In the event that bag failure has been observed:

- (a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

D.4.8 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the one (1) double drum magnetic separator when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be replaced.

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.4.9 Record Keeping Requirements

- (a) To document compliance with Condition D.4.5 the Permittee shall maintain records of daily visible emission notations of the baghouse stack (MS-BH) exhaust.

- (b) To document compliance with Condition D.4.6, the Permittee shall maintain the following:
- (1) Records of the following operational parameters once per shift during normal operation when venting to the atmosphere:

Total static pressure drop
 - (2) Documentation of all response steps implemented, per event.
 - (3) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.
 - (4) Quality Assurance/Quality Control (QA/QC) procedures.
 - (5) Operator standard operating procedures (SOP).
 - (6) Manufacturer's specifications or its equivalent.
 - (7) Equipment "troubleshooting" contingency plan.
 - (8) Documentation of the dates vents are redirected.
- (c) To document compliance with Condition D.4.8, the Permittee shall maintain records of the results of the inspections required under Condition D.4.8 and the dates the vents are redirected.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] - Hammermill

- (e) One (1) hammermill, identified as HM, equipped with a baghouse (DR-BH) and exhausting to stack DR-BH-1, capacity: 7.5 tons of aluminum per hour.

D.5.1 Particulate Matter (PM) [326 IAC 6-3-2(e)]

Pursuant to 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the hammermill shall each not exceed 15.8 pounds per hour when operating at a process weight rate of 15,000 pounds per hour.

The pounds per hour limitations were calculated with the following equation:

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

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

D.5.2 General Provisions Relating to NESHAP [326 IAC 20-1] [40 CFR Part 63, Subpart A]

The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 20-1, apply to the hammermill, as of March 23, 2004, except when otherwise specified in 40 CFR Part 63, Subpart RRR.

D.5.3 Emission Standards for Secondary Aluminum Production [40 CFR Part 63.1505, Subpart RRR]

Pursuant to 40 CFR 63.1505(b)(1), on and after the compliance date established by 40 CFR 63.1501, the Permittee shall not discharge or cause to be discharged to the atmosphere emissions from the hammermill, which is an aluminum scrap shredder, in excess of 0.023 grams (g) of PM per dry standard cubic meter (dscm) (0.010 grain (gr) of PM per dry standard cubic foot (dscf)).

D.5.4 Operating Requirements for Secondary Aluminum Production [40 CFR Part 63.1506, Subpart RRR]

Pursuant to 40 CFR Part 63.1506, the following conditions shall apply to the one (1) hammermill, as of March 23, 2004:

- (a) Pursuant to 40 CFR 63.1506(e)(1), the Permittee shall operate the bag leak detection system and shall:
- (1) Initiate corrective action within one (1)-hour of a bag leak detection system alarm and complete the corrective action procedures in accordance with the OM&M plan.
 - (2) Operate each fabric filter system such that the bag leak detection system alarm does not sound more than five percent (5%) of the operating time during a six (6)-month block reporting period. In calculating this operating time fraction, if inspection of the fabric filter demonstrates that no corrective action is required, no alarm time is counted. If corrective action is required, each alarm shall be counted as a minimum of one (1) hour. If the Permittee takes longer than one (1) hour to initiate corrective action, the alarm time shall be counted as the actual amount of time taken by the Permittee to initiate corrective action.
- (b) Pursuant to 40 CFR 63.1506(p), when a process parameter deviates from the value or range established during the performance test and incorporated in the Operation, Maintenance, and Monitoring Plan, the Permittee shall initiate corrective action. The

corrective action shall restore operation of the affected emission unit (including the process or control device) to its normal or usual mode of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. Corrective actions taken shall include follow-up actions necessary to return the process or control device parameter level(s) to the value or range of values established during the performance test and steps to prevent the likely recurrence of the cause of the deviation.

D.5.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.

Compliance Determination Requirements

D.5.6 Testing Requirements [326 IAC 2-7-6(1),(6)] [40 CFR Part 63, Subpart RRR]

Within 180 days of March 23, 2004, in order to demonstrate compliance with Condition D.5.2, the Permittee shall perform PM testing on the hammermill, using methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C- Performance Testing. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration.

- (a) Pursuant to 40 CFR 63.1511(a), prior to conducting the performance test required by 40 CFR 63, Subpart RRR, the Permittee shall prepare and submit a site-specific test plan in compliance with 40 CFR 63.7(c).
- (b) Pursuant to 40 CFR 63.1511(b), following approval of the site-specific test plan, the Permittee shall demonstrate initial compliance with each applicable emission, equipment, work practice, or operational standard for each affected unit and report the results in the notification of compliance report. The Permittee shall conduct performance tests in accordance with the requirements in 40 CFR 63, Subpart A and 40 CFR 63, Subpart RRR.

D.5.7 Particulate Control

In order to comply with Conditions D.5.3 and C.3, the baghouse (DR-BH) for particulate control shall be in operation and control emissions from the hammermill, identified as HM, at all times that the hammermill is in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.5.8 Monitoring Requirements for Secondary Aluminum Production [40 CFR Part 63.1510, Subpart RRR]

Pursuant to 40 CFR 63.1510(a), on and after the compliance date established by 40 CFR 63.1501, the Permittee shall monitor the hammermill according to the following requirements:

- (a) Pursuant to 40 CFR 63.1510(b), the Permittee shall prepare a written Operation, Maintenance, and Monitoring (OM&M) Plan and shall submit the plan to the IDEM, OAQ, no later than the compliance date established by 40 CFR 63.1501(a). The plan must be accompanied by a written certification by the Permittee that the plan satisfies all requirements of 40 CFR 63.1510(b). The Permittee shall comply with all of the conditions of the submitted plan unless and until the plan is revised in accordance with the following procedures. If IDEM, OAQ determines that any revisions to the plan are necessary to satisfy the requirements of 40 CFR 63, Subpart RRR, the Permittee shall promptly make all necessary revision and submit the revised plan to IDEM, OAQ. If the Permittee determines that any other revisions to the plan are necessary, such revision shall not become effective until the Permittee submits a description of the changes and a revised plan to IDEM, OAQ. The plan shall include the following information:

- (1) The process and control device parameters to be monitored to determine compli-

ance, along with established operating levels or ranges, as applicable, for each affected unit and control device.

- (2) A monitoring schedule for each affected unit.
 - (3) Procedures for the proper operation and maintenance of each affected unit and control device used to meet the applicable emission limit in 40 CFR 63.1505.
 - (4) Procedures for the proper operation and maintenance of monitoring devices or systems used to determine compliance, including:
 - (A) Calibration and certification of accuracy of each monitoring device, at least once every six (6) months, according to the manufacturer's instructions; and
 - (B) Procedures for the quality control and quality assurance of continuous emission or opacity monitoring systems as required by the general provisions in 40 CFR 63, Subpart A.
 - (5) Procedures for monitoring process and control parameters, including procedures for annual inspections of afterburners, and if applicable, the procedures to be used for determining feed (or throughput) weight if a measurement device is not used.
 - (6) Corrective actions to be taken when process operating parameters or add-on control device parameters deviate from the value or range established in (a)(1) above, including:
 - (A) Procedures to determine and record the cause of a deviation or excursion, and the time the deviation or excursion began and ended; and
 - (B) Procedures for recording the corrective action taken, the time corrective action was initiated, and the time and date corrective action was completed.
 - (7) A maintenance schedule for each affected unit and control device that is consistent with the manufacturer's instructions and recommendations for routine and long-term maintenance.
- (b) Pursuant to 40 CFR 63.1510(f), the Permittee shall install, calibrate, maintain, and continuously operate a bag leak detection system, as follows:
- (1) The Permittee shall install and operate a bag leak detection system for each exhaust stack of the fabric filter.
 - (2) Each triboelectric bag leak detection system must be installed, calibrated, operated and maintained according to the "Fabric Filter Bag Leak Detection Guidance," (September 1997). This document is available from the U.S. Environmental Protection Agency; Office of Air Quality Planning and Standards; Emissions, Monitoring and Analysis Division; Emission Measurement Center (MD-19), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Technical Information (EMTIC), Continuous Emission Monitoring. Other bag leak detection systems must be installed, operated, calibrated, and maintained in a manner consistent with the manufacturer's written specifications and recommendations.
 - (3) The bag leak detection system must be certified by the manufacturer to be capable

of detecting PM emissions at concentrations of ten (10) milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less.

- (4) The bag leak detection system sensor must provide output of relative or absolute PM loadings.
- (5) The bag leak detection system must be equipped with a device to continuously record the output signal from the sensor.
- (6) The bag leak detection system must be equipped with an alarm system that will sound automatically when an increase in relative PM emissions over a preset level is detected. The alarm must be located where it is easily heard by plant operating personnel.
- (7) For the negative pressure fabric filters, the bag leak detector must be installed downstream of the fabric filter.
- (8) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.
- (9) The baseline output must be established by adjusting the range and the averaging period of the device and establishing the alarm set points and the alarm delay time.
- (10) Following initial adjustment of the system, the Permittee must not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time except as detailed in the OM&M plan. In no case may the sensitivity be increased by more than one hundred percent (100%) or decreased more than fifty percent (50%) over a 365-day period unless such adjustment follows a complete fabric filter inspection which demonstrates that the fabric filter is in good operating condition.

D.5.9 Visible Emissions Notations

- (a) Visible emission notations of the baghouse stack (DR-BH-1) exhaust shall be performed once per shift during normal daylight operations when exhausting to the atmosphere, during shifts when the bag leak detection system is not operating for the duration of the shift. 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) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, shall be considered a deviation from this permit.

D.5.10 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse (DR-BH) used in conjunction with the hammermill, at least once per shift when the hammermill is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 0.5 and 5.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps. 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 - Compliance Monitoring Plan, shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Temperature Sensor Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.5.11 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the hammermill. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.5.12 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be 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.
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.5.13 Record Keeping Requirements [40 CFR 63.1517]

- (a) The Permittee shall maintain files of all information, including reports and notifications, required by 40 CFR 63.10 and 40 CFR 63.1517. The Permittee shall retain each record for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The most recent two (2) years of records shall be retained at the source. The remaining three (3) years of records may be retained off-site.

The Permittee may retain records on microfilm, computer disks, magnetic tape or microfiche.

- (b) In addition to the general records required by 40 CFR 60.10(b), the Permittee shall maintain a current copy of all required plans, including any revisions, with records documenting conformance with the applicable plan, including:
 - (1) Startup, shutdown, and malfunction plan; and
 - (2) Operation, Maintenance, and Monitoring Plan.
- (c) In addition to the general records required by 40 CFR 63.10(b), the Permittee shall maintain records of the number of total operating hours for the hammermill during each six (6)-month reporting period, records of each alarm, the time of the alarm, the time corrective action was initiated and completed, and a brief description of the cause of the alarm and the corrective action(s) taken.
- (d) To document compliance with Condition D.5.9, the Permittee shall maintain records of visible emission notations of the baghouse stack (DR-BH-1) exhaust once per shift, for shifts when the bag leak detection system was not operating for the duration of the shift.
- (e) To document compliance with Condition D.5.10, the Permittee shall maintain records once per shift of the total static pressure drop during normal operation.
- (f) To document compliance with Condition D.5.5, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (g) To document compliance with Condition D.5.11, the Permittee shall maintain records of the results of the inspections required under Condition D.5.11.
- (h) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.5.14 Notifications and Reports for Secondary Aluminum Production [40 CFR Part 63.1515 and 63.1516, Subpart RRR]

- (a) Pursuant to 40 CFR 63.1515(a)(6), as required by 40 CFR 63.9(e) and (f), the Permittee shall provide notification of the anticipated date for conducting performance tests. The Permittee shall notify the IDEM, OAQ, of the intent to conduct a performance test at least 60 days before the performance test is scheduled.
- (b) Pursuant to 40 CFR 63.1515(b), the Permittee shall submit a notification of compliance status reports no more than 60 days after March 23, 2004 for the hammermill. The notification shall be signed by the responsible official who must certify its accuracy. The report shall include:
 - (1) All information required in 40 CFR 63.9(h). The Permittee shall provide a complete performance test report for each affected unit, including data, associated measurements, and calculations.
 - (2) The approved site-specific test plan and performance evaluation test results for each continuous monitoring system.
 - (3) The compliant operating parameter value or range established for each affected source or emission unit with supporting documentation and a description of the procedure used to establish the value (e.g., alkaline agent injection rate, fabric filter inlet temperature), including the operating cycle or time period used in the perform-

ance test.

- (4) Approved Operation, Maintenance, and Monitoring Plan.
 - (5) Startup, shutdown, and malfunction plan.
- (c) Pursuant to 40 CFR 63.1516(a), the Permittee shall develop and implement a written plan that contains specific procedures to be followed for operating and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the emission limit. The Permittee shall keep records of each event as required by 40 CFR 63.10(b) and record and report if an action taken during startup, shutdown, or malfunction is not consistent with the procedures in the startup, shutdown, and malfunction plan. The plan shall include the following:
- (1) The procedures to determine and record the cause of a malfunction and the time the malfunction began and ended; and
 - (2) Corrective actions to be taken in the event of a malfunction of a process or control device, including the actions taken to correct the malfunction or minimize emissions.
- (d) Pursuant to 40 CFR 63.1516(b), beginning in 2004, the Permittee shall submit a semi-annual report within 60 days after the end of each six (6) month period detailing all deviations from the Operation, Maintenance, and Monitoring Plan. When no deviations have occurred, the Permittee shall submit a report stating that no excess emissions occurred during the reporting period. A report shall be submitted if any of these conditions occur during a six- (6-) month reporting period:
- (1) An excursion of a compliant process or operating parameter value or range (e.g., lime injection rate or screw feeder setting, total reactive chlorine flux injection rate, afterburner operating temperature, fabric filter inlet temperature, definition of acceptable scrap, or other approved operating parameter).
 - (2) An action taken during a startup, shutdown, or malfunction was not consistent with the procedures in the plan as described in 40 CFR 63.6(e)(3).
 - (3) An affected source (including an emission unit in a secondary aluminum processing unit) was not operated according to the requirements of Subpart RRR.
- (e) Pursuant to 40 CFR 63.1516(b)(3), the Permittee shall submit the results of any performance test conducted during the reporting period, including one complete report documenting test methods and procedures, process operation, and monitoring parameter ranges or values for each test method used for a particular type of emission point tested.
- (f) As of March 23, 2004, for the purpose of annual certifications of compliance required by 40 CFR Part 70 or 71, the owner or operator shall certify continuing compliance based upon, but not limited to, the following conditions:
- (1) Any period of excess emissions, as defined in paragraph (b)(1) of this section, that occurred during the year were reported as required by Part 63, Subpart RRR; and
 - (2) All monitoring, record keeping, and reporting requirements were met during the year.

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

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Newco Metals Processing, Inc.
Source Address: 4635 Peerless Road, Bedford, Indiana 47421
Mailing Address: 4635 Peerless Road, Bedford, Indiana 47421
Part 70 Permit No.: T 093-7641-05064

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 Compliance Certification Letter
- Test Result (specify) _____
- Report (specify) _____
- Notification (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:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT
SEMI-ANNUAL COMPLIANCE MONITORING REPORT**

Source Name: Newco Metals Processing, Inc.
Source Address: 4635 Peerless Road, Bedford, Indiana 47421
Mailing Address: 4635 Peerless Road, Bedford, Indiana 47421
Part 70 Permit No.: T 093-7641-05064

Months: _____ to _____ Year: _____

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted semi-annually. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

NO DEVIATIONS OCCURRED THIS REPORTING PERIOD

THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Compliance Monitoring Requirement (e.g. Permit Condition D.1.3)	Number of Deviations	Date of Each Deviation

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967**

**PART 70 OPERATING PERMIT
EMERGENCY/DEVIATION OCCURRENCE REPORT**

Source Name: Newco Metals Processing, Inc.
Source Address: 4635 Peerless Road, Bedford, Indiana 47421
Mailing Address: 4635 Peerless Road, Bedford, Indiana 47421
Part 70 Permit No.: T 093-7641-05064

This form consists of 2 pages

Page 1 of 2

Check either No. 1 or No.2

- ☛ 1. This is an emergency as defined in 326 IAC 2-7-1(12)
☐The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
☐The Permittee must submit notice in writing or by facsimile within two (2) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16
- ☛ 2. This is a deviation, reportable per 326 IAC 2-7-5(3)(c)
☐The Permittee must submit notice in writing within ten (10) calendar days

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:

Control Equipment:

Permit Condition or Operation Limitation in Permit:

Description of the Emergency/Deviation:

Describe the cause of the Emergency/Deviation:

If any of the following are not applicable, mark N/A

Date/Time Emergency/Deviation started:
Date/Time Emergency/Deviation was corrected:
Was the facility being properly operated at the time of the emergency/deviation? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency/deviation:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for a Part 70 Administrative Amendment

Source Background and Description

Source Name:	Newco Metals Processing, Inc.
Source Location:	4635 Peerless Road, Bedford, Indiana 47421
County:	Lawrence
SIC Code:	3341
Operation Permit No.:	T 093-7641-05064
Operation Permit Issuance Date:	September 1, 1999
Administrative Amendment No.:	AAT 093-19425-05064
Permit Reviewer:	Mark L. Kramer

The Office of Air Quality (OAQ) has reviewed a letter from August Mack Environmental, Inc., received July 28, 2004, requesting to change the baghouse on the rotary furnace and also change the normal range of pressure drop for the re-ducted rotary furnace baghouse. Newco Metals Processing, Inc. also requested that the rotary dryer be removed from the permit and delete all references to this dryer from the Part 70 Operating Permit since it has been permanently shut down. In addition, Newco Metals Processing, Inc. asked whether or not the new baghouse for the rotary furnace required stack testing to demonstrate compliance with 40 CFR 63, Subpart RRR.

Only PM stacking of the rotary furnace baghouse DR-BH will be required with 180 days of permit issuance. PM₁₀ testing was required within 30 to 36 months of the December 3, 2002 issuance of the first Significant Permit Modification (093-15313-05064) which correspondence to PM₁₀ stack testing between June 3, 2005 and December 3, 2005. D/F and HCl testing is not being required because the baghouse per se does not control these HAPs emissions.

There will be no increase in the capacity or the potential to emit PM and PM₁₀ from the rotary furnace since the process is not changing and the control efficiencies of the old and new baghouses are claimed to be the same at 99.0%.

History

Newco Metals Processing, Inc. was issued a Part 70 Operating Permit (T 093-7641-05064) on September 1, 1999. A first reopening of the Title V Operating Permit (R 093-13383-05064) was issued on January 8, 2002, and a first Administrative Amendment (093-15433-05064) was issued on January 28, 2002. A first Significant Permit Modification (093-15313-05064) was issued on December 3, 2002. A second Significant Permit Modification (093-18282-05064) was issued on April 8, 2004.

Enforcement Issue

There are no enforcement actions pending.

An Agreed Order (Case No. 2003-12728-A) was signed on November 19, 2003. The Agreed Order was issued due to a violation of 326 IAC 5-1 at the hammermill. The Order requires the use of the baghouse to control emissions from the hammermill.

Stack Summary

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (EF)
DR-BH-1	Rotary Furnace Baghouse	45.0	5.0	50,000	160

Recommendation

The staff recommends to the Commissioner that the Administrative Amendment to the Part 70 Operating Permit be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on July 28, 2004. Additional information was received on August 9 and 23, 2004.

Justification for Administrative Amendment

The Part 70 Operating Permit is being amended through an Administrative Amendment to a Part 70 Operating Permit. This amendment is being performed pursuant to 326 IAC 2-7-11(a)(7), which allows the permit to be revised for descriptive information where the revision will not trigger any new applicable requirements or violate a term of the permit.

Since parametric monitoring was already required for the existing rotary furnace baghouse in the Part 70 Operating Permit, the change to the normal pressure drop range is not a new compliance monitoring requirement. The existing rotary furnace baghouse was stack tested on March 10 and 11, 2004. Therefore, the re-test of the rotary furnace emissions with the new baghouse is not a new requirement for stack testing since stack testing was already required by the Part 70 Operating Permit.

Proposed Changes

All references to the rotary dryer (rotating drum dryer) will be removed from the permit by deleting Condition A.2(a) and all the conditions in Section D.1. The old rotary dryer baghouse (DR-BH) will be re-ducted to the rotary furnace and therefore the equipment list in the facility descriptions in Condition A.2(b) and Section D.2 will be revised. Section D.2 will also be revised to reflect the new baghouse on the rotary dryer and to change the pressure drop on the baghouse controlling the emissions from the rotary dryer.

The permit language is changed to read as follows (deleted language appears as ~~strikeouts~~, new language appears in bold):

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]
[326 IAC 2-7-5(15)]

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

- (a) ~~One (1) custom natural gas-fired rotating drum dryer (scrap dryer), identified as DR, with a maximum capacity of 20,000 pounds of aluminum per hour and a maximum heat input capacity of 4.24 million British thermal units per hour, using an 8.5 million British thermal~~

~~unit per hour afterburner and a baghouse (DR-BH) as controls, and exhausting to stacks DR-1 and DR-BH-1, respectively.~~

- ~~(a b) One (1) natural gas-fired rotary furnace, identified as RF, with a maximum heat input capacity of 9.0 million British thermal units per hour, and a maximum capacity of 7,000 pounds of aluminum per hour, using a capture hood and a baghouse (DR-BH) (RF-BH) as control, and exhausting to stack DR-BH-1 RF-BH.~~
- ~~(b e) One (1) conveyorized screen separator, identified as SS, with a maximum capacity of 8,000 pounds of scrap aluminum per hour, using a capture hood and a baghouse (SS-BH) as control, and exhausting to stack SS-BH.~~
- ~~(c d) One (1) double drum magnetic separator, identified as MS, with a maximum capacity of 3,000 pounds of scrap aluminum per hour, using a capture hood and a baghouse (MS-BH) as control, and exhausting to stack MS-BH.~~
- ~~(d e) One (1) hammermill, identified as HM, equipped with a baghouse (DR-BH) and exhausting to stack DR-BH-1, capacity: 7.5 tons of aluminum per hour.~~

SECTION D.1 FACILITY OPERATION CONDITIONS

The facility in Section D.1 and all associated conditions have been deleted.

~~Facility Description [326 IAC 2-7-5(15)]~~

- ~~(a) One (1) custom natural gas-fired rotating drum dryer (scrap dryer), identified as DR, with a maximum capacity of 20,000 pounds of aluminum per hour and a maximum heat input capacity of 4.24 million British thermal units per hour, using an 8.5 million British thermal unit per hour afterburner and a baghouse (DR-BH) as controls, and exhausting to stacks DR-1 and DR-BH-1, respectively.~~

~~Emission Limitations and Standards [326 IAC 2-7-5(1)]~~

~~D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]~~

~~Pursuant to PC (47)-1789, issued January 12, 1990, the afterburner for VOC control is the best available control technology (BACT) for this facility and shall limit VOC emissions to no more than 9.93 pounds per hour, equivalent to 43.5 tons per year.~~

~~D.1.2 Particulate Matter (PM) [326 IAC 6-3-2(e)]~~

~~Pursuant to 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the dryer and afterburner shall not exceed 19.2 pounds per hour when operating at a process weight rate of 20,000 pounds per hour.~~

~~The pounds per hour limitation was calculated with the following equation:~~

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

$$E = 4.10 P^{0.67}$$

~~where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour~~

~~D.1.3 General Provisions Relating to NESHAP [326 IAC 20-1] [40 CFR Part 63, Subpart A]~~

~~The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 20-1, apply to the one (1) rotating drum dryer (scrap dryer), identified as DR, as of March 23, 2004, except when otherwise specified in 40 CFR Part 63, Subpart RRR.~~

~~D.1.4 Emission Standards for Secondary Aluminum Production [40 CFR Part 63.1505, Subpart RRR]~~

- ~~(a) Pursuant to 40 CFR 63.1505(e), on and after the compliance date established by 40 CFR 63.1501, the Permittee, shall operate the afterburner, having a design residence time of at least one (1) second, at all times when the dryer, which is considered a scrap dryer, is in operation and shall maintain an operating temperature at the afterburner of at least 750 °C (1400 °F) at all times.~~
- ~~(b) Pursuant to 40 CFR 63.1505(e)(1), on and after the compliance date established by 40 CFR 63.1501, the Permittee shall not discharge or cause to be discharged to the atmosphere emissions from the scrap dryer in excess of:~~
- ~~(1) 0.10 kg of THC, as propane, per Mg (0.20 lb of THC, as propane, per ton) of feed/charge;~~
 - ~~(2) 0.15 kg of PM per Mg (0.30 lb per ton) of feed/charge;~~
 - ~~(3) 5.0 µg of D/F TEQ per Mg (7.0 x10⁻⁵ gr of D/F TEQ per ton) of feed/charge; and~~
 - ~~(4) 0.75 kg of HCl per Mg (1.50 lb per ton) of feed/charge.~~

~~D.1.5 Operating Requirements for Secondary Aluminum Production [40 CFR Part 63.1506, Subpart RRR]~~

~~Pursuant to 40 CFR Part 63.1506, the following conditions shall apply to the scrap dryer, identified as DR, as of March 23, 2004:~~

- ~~(a) Pursuant to 40 CFR 63.1506(b), the Permittee shall provide and maintain easily visible labels that identifies the applicable emission limit and means of compliance. The labels shall include:~~
- ~~(1) The type of affected emission unit (i.e., scrap dryer/delaquering kiln/decorating kiln);~~
 - ~~(2) The applicable operational standard and control method, including the type of charge to be used in the furnace, flux materials and addition practices, and the applicable operating parameter ranges and requirements as incorporated in the Operation, Maintenance, and Monitoring (OM&M) Plan; and~~
 - ~~(3) The afterburner operating temperature and design residence time.~~
- ~~(b) Pursuant to 40 CFR 63.1506(c), the Permittee shall:~~
- ~~(1) Design and install a system for the capture and collection of emissions to meet the engineering standards for minimum exhaust rates as published by the American Conference of Governmental Industrial Hygienists in chapters 3 and 5 of "Industrial Ventilation: A Manual of Recommended Practice";~~
 - ~~(2) Vent captured emissions through a closed system, except that dilution air may be added to emission streams for the purpose of controlling temperature at the inlet to a fabric filter; and~~

- ~~(3) Operate each capture/collection system according to the procedures and requirements in the Operation, Maintenance, and Monitoring Plan.~~
- ~~(c) Pursuant to 40 CFR 63.1506(d), the Permittee shall install and operate a device that measures and records the weight of feed/charge (or throughput) for each operating cycle or time period used in the performance test. The Permittee shall operate each measurement system in accordance with the Operation, Maintenance, and Monitoring Plan.~~
- ~~(d) Pursuant to 40 CFR 63.1506(g)(1), the Permittee shall operate the afterburner at all times the respective Scrap Dryer is in operation, in accordance with the OM&M plan. For the afterburner, the Permittee shall:
 - ~~(1) Maintain the 3-hour block average operating temperature of each afterburner at or above the average temperature established during the performance test.~~
 - ~~(2) Operate the afterburner in accordance with the OM&M plan.~~~~
- ~~(e) Pursuant to 40 CFR 63.1506(g)(2), the Permittee shall:
 - ~~(1) Initiate corrective action within one (1) hour of a bag leak detection system alarm and complete any necessary corrective action procedures in accordance with the OM&M plan.~~
 - ~~(2) Operate each fabric filter system such that the bag leak detection system alarm does not sound more than five percent (5%) of the operating time during a six (6)-month block reporting period. In calculating this operating time fraction, if inspection of the fabric filter demonstrates that no corrective action is required, no alarm time is counted. If corrective action is required, each alarm shall be counted as a minimum of one (1) hour. If the Permittee takes longer than one (1) hour to initiate corrective action, the alarm time shall be counted as the actual amount of time taken by the Permittee to initiate corrective action.~~~~
- ~~(f) Pursuant to 40 CFR 63.1506(p), when a process parameter deviates from the value or range established during the performance test and incorporated in the Operation, Maintenance, and Monitoring Plan, the Permittee shall initiate corrective action. The corrective action shall restore operation of the affected emission unit (including the process or control device) to its normal or usual mode of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. Corrective actions taken shall include follow-up actions necessary to return the process or control device parameter level(s) to the value or range of values established during the performance test and steps to prevent the likely recurrence of the cause of the deviation.~~

~~D.1.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.~~

Compliance Determination Requirements

~~D.1.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [40 CFR Part 63.1511, Subpart RRR]~~

- ~~(a) During the period between 30 and 36 months after issuance of this permit (T-093-7641-05064, issued on September 1, 1999), the Permittee shall perform VOC testing utilizing methods approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration.~~

- ~~(b) During the period between 30 and 36 months after issuance of this permit (T 093-7641-05064, issued on September 1, 1999), the Permittee shall perform PM testing utilizing Method 5 or 17 (40 CFR 60, Appendix A), or other methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration.~~
- ~~(c) In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.~~
- ~~(d) Within 180 days of March 23, 2004, which is the final compliance date for Subpart RRR, in order to demonstrate compliance with Condition D.1.4, the Permittee shall perform PM, HCl, D/F and THC testing on the outlet of the afterburner on the scrap dryer, identified as DR, using methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C Performance Testing. This test shall be repeated at least once every two and half (2.5) years from the date of this valid compliance demonstration. This test for PM emissions shall also satisfy the requirements of Condition D.1.7(b).~~
- ~~(1) Pursuant to 40 CFR 63.1511(a), prior to conducting the performance test required by 40 CFR 63, Subpart RRR, the Permittee shall prepare and submit a site-specific test plan in compliance with 40 CFR 63.7(c).~~
- ~~(2) Pursuant to 40 CFR 63.1511(b), following approval of the site-specific test plan, the Permittee shall demonstrate initial compliance with each applicable emission, equipment, work practice, or operational standard for each affected unit and report the results in the notification of compliance report. The Permittee shall conduct performance tests in accordance with the requirements in 40 CFR 63, Subpart A and 40 CFR 63, Subpart RRR. The Permittee shall use Method 23 in Appendix A to 40 CFR 60 or an alternative method approved by IDEM, OAQ, to measure the concentration of D/F.~~
- ~~(3) Pursuant to 40 CFR 63.1511(g), the Permittee shall establish a minimum or maximum operating parameter value, or an operating parameter range for each parameter to be monitored as required by 40 CFR 63.1510 that ensures compliance with the applicable emission limit for D/F. The Permittee may use existing data in addition to the results of the performance test to establish operating parameter values for compliance monitoring provided the requirements of 40 CFR 63.1511(g) are met.~~

D.1.8 Volatile Organic Compounds (VOC)

~~Compliance with the VOC emission limitation contained in Condition D.1.1 shall be demonstrated by operating the afterburner for VOC control at all times when the dryer is in operation. Pursuant to PC (47)-1789, issued January 12, 1990, when the dryer is in operation when venting to the atmosphere, the chamber temperature of the afterburner shall be maintained at no less than 1400 degrees Fahrenheit or another temperature determined by a stack test that verifies compliance with Condition D.1.1. Continuous instrumentation shall monitor and record this temperature to verify compliance with Condition D.1.1.~~

~~The instrument used for determining the temperature shall comply with Section C Pressure Gauge and Temperature Sensor Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.~~

~~D.1.9 Particulate Control~~

~~In order to comply with Condition D.1.4, the baghouse (DR-BH) for particulate control shall be in operation and control emissions from the scrap dryer, identified as DR, at all times that the scrap dryer is in operation.~~

~~Compliance Monitoring Requirements [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]~~

~~D.1.10 Visible Emissions Notations~~

- ~~(a) Visible emission notations of the dryer and afterburner baghouse stack exhaust (DR-BH-1) shall be performed once per shift during normal daylight operations when exhausting to the atmosphere, during shifts when the bag leak detection system is not operating for the duration of the shift. 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) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, shall be considered a deviation from this permit.~~

~~D.1.11 Monitoring Requirements for Secondary Aluminum Production [40 CFR Part 63.1510, Subpart RRR]~~

~~Pursuant to 40 CFR 63.1510(a), on and after the compliance date established by 40 CFR 63.1501, the Permittee shall monitor the scrap dryer and the afterburner according to the following requirements:~~

- ~~(a) Pursuant to 40 CFR 63.1510(b), the Permittee shall prepare a written Operation, Maintenance, and Monitoring (OM&M) Plan and shall submit the plan to the IDEM, OAQ, no later than the compliance date established by 40 CFR 63.1501(a). The plan must be accompanied by a written certification by the Permittee that the plan satisfies all requirements of 40 CFR 63.1510(b). The Permittee shall comply with all of the conditions of the submitted plan unless and until the plan is revised in accordance with the following procedures. If IDEM, OAQ determines that any revisions to the plan are necessary to satisfy the requirements of 40 CFR 63, Subpart RRR, the Permittee shall promptly make all necessary revision and submit the revised plan to IDEM, OAQ. If the Permittee determines that any other revisions to the plan are necessary, such revision shall not become effective until the Permittee submits a description of the changes and a revised plan to IDEM, OAQ. The plan shall include the following information:
 - ~~(1) The process and control device parameters to be monitored to determine compliance, along with established operating levels or ranges, as applicable, for each affected unit and control device.~~~~

- ~~(2) A monitoring schedule for each affected unit.~~
- ~~(3) Procedures for the proper operation and maintenance of each affected unit and control device used to meet the applicable emission limit in 40 CFR 63.1505.~~
- ~~(4) Procedures for the proper operation and maintenance of monitoring devices or systems used to determine compliance, including:
 - ~~(A) Calibration and certification of accuracy of each monitoring device, at least once every six (6) months, according to the manufacturer's instructions; and~~
 - ~~(B) Procedures for the quality control and quality assurance of continuous emission or opacity monitoring systems as required by the general provisions in 40 CFR 63, Subpart A.~~~~
- ~~(5) Procedures for monitoring process and control parameters, including procedures for annual inspections of afterburners.~~
- ~~(6) Corrective actions to be taken when process operating parameters or add-on control device parameters deviate from the value or range established in (1) above, including:
 - ~~(A) Procedures to determine and record the cause of a deviation or excursion, and the time the deviation or excursion began and ended; and~~
 - ~~(B) Procedures for recording the corrective action taken, the time corrective action was initiated, and the time and date corrective action was completed.~~~~
- ~~(7) A maintenance schedule for each affected unit and control device that is consistent with the manufacturer's instructions and recommendations for routine and long-term maintenance.~~
- ~~(b) Pursuant to 40 CFR 63.1510(c), the Permittee shall inspect the labels for the scrap dryer at least once per calendar month to confirm that posted labels as required by the operational standard in 40 CFR 63.1506(b) are intact and legible.~~
- ~~(c) Pursuant to 40 CFR 63.1510(d), the Permittee shall:
 - ~~(1) Install, operate, and maintain a capture/collection system for the scrap dryer; and~~
 - ~~(2) Inspect each capture/collection and closed vent system at least once each calendar year to ensure that each system is operating in accordance with the operating requirements in 40 CFR 63.1506(c) and record the results of each inspection.~~~~
- ~~(d) Pursuant to 40 CFR 63.1510(e), the Permittee shall install, calibrate, operate, and maintain a device to measure and record the total weight of feed/charge to the dryer over the same operating cycle or time period used in the performance test. The accuracy of the weight measurement device or procedure shall be within one (1) percent of the weight being measured. The Permittee shall verify the calibration of the weight measurement device in accordance with the schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every six (6) months.~~

- (e) Pursuant to 40 CFR 63.1510(g), the Permittee shall:
- (1) Install, calibrate, maintain, and operate a device to continuously monitor and record the operating temperature of the afterburner consistent with the requirements of continuous monitoring systems in 40 CFR Part 63 Subpart A.
 - (2) The temperature monitoring device shall:
 - (A) Be installed at the exit of each afterburner's combustion zone.
 - (B) Record the temperature in 15-minute block averages and determine and record the average temperature for each 3-hour block period.
 - (C) Have a recorder response range including zero and 1.5 times the average temperature established according to the requirements in 40 CFR 63.1512 (m).
 - (D) The reference method shall be a National Institute of Standards and Technology calibrated reference thermocouple-potentiometer system or alternate reference, subject to approval by the IDEM, OAG.
 - (3) Conduct an inspection of each afterburner at least once a year and record the results. At a minimum, an inspection shall include:
 - (A) Inspection of all burners, pilot assemblies, and pilot sensing devices for proper operation and clean pilot sensor;
 - (B) Inspection for proper adjustment of combustion air;
 - (C) Inspection of internal structures (e.g., baffles) to ensure structural integrity;
 - (D) Inspection of dampers, fans, and blowers for proper operation;
 - (E) Inspection for proper sealing;
 - (F) Inspection of motors for proper operation;
 - (G) Inspection of combustion chamber refractory lining and clean and replace lining as necessary;
 - (H) Inspection of afterburner shell for corrosion and/or hot spots;
 - (I) Documentation verifying that, for the burn cycle following the inspection, the afterburner is operating properly and all necessary adjustments have been made;
 - (J) Verification that the equipment is maintained in good operating condition.
 - (K) Following an equipment inspection, all necessary repairs shall be completed in accordance with the requirements of the OM&M plan.
- (f) Pursuant to 40 CFR 63.1510(f), the Permittee shall install, calibrate, maintain, and continuously operate a bag leak detection system, as follows:

- ~~(1) The Permittee shall install and operate a bag leak detection system for each exhaust stack of the fabric filter.~~
- ~~(2) Each triboelectric bag leak detection system must be installed, calibrated, operated and maintained according to the "Fabric Filter Bag Leak Detection Guidance," (September 1997). This document is available from the U.S. Environmental Protection Agency; Office of Air Quality Planning and Standards; Emissions, Monitoring and Analysis Division; Emission Measurement Center (MD-19), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Technical Information (EMTIC), Continuous Emission Monitoring. Other bag leak detection systems must be installed, operated, calibrated, and maintained in a manner consistent with the manufacturer's written specifications and recommendations.~~
- ~~(3) The bag leak detection system must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of ten (10) milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less.~~
- ~~(4) The bag leak detection system sensor must provide output of relative or absolute PM loadings.~~
- ~~(5) The bag leak detection system must be equipped with a device to continuously record the output signal from the sensor.~~
- ~~(6) The bag leak detection system must be equipped with an alarm system that will sound automatically when an increase in relative PM emissions over a preset level is detected. The alarm must be located where it is easily heard by plant operating personnel.~~
- ~~(7) For the negative pressure fabric filters, the bag leak detector must be installed downstream of the fabric filter.~~
- ~~(8) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.~~
- ~~(9) The baseline output must be established by adjusting the range and the averaging period of the device and establishing the alarm set points and the alarm delay time.~~
- ~~(10) Following initial adjustment of the system, the Permittee must not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time except as detailed in the OM&M plan. In no case may the sensitivity be increased by more than one hundred percent (100%) or decreased more than fifty percent (50%) over a 365-day period unless such adjustment follows a complete fabric filter inspection which demonstrates that the fabric filter is in good operating condition.~~

D.1.12 Parametric Monitoring

~~The Permittee shall record the total static pressure drop across the baghouse (DR-BH) used in conjunction with the dryer, at least once per shift when the dryer is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 0.5 and 5.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps. 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 - Compliance Monitoring Plan - Failure to take Response Steps, shall be considered a deviation from this permit.~~

~~The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Temperature Sensor Specifications, of this permit, shall be subject to approval by IDEM, OAG, and shall be calibrated at least once every six (6) months.~~

~~D.1.13 Baghouse Inspections~~

~~An inspection shall be performed each calendar quarter of all bags controlling the dryer. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.~~

~~D.1.14 Broken or Failed Bag Detection~~

~~In the event that bag failure has been observed:~~

- ~~(a) — For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be 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, OAG 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.~~
- ~~(b) — For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B- Emergency Provisions).~~

~~D.1.15 Record Keeping Requirements~~

- ~~(a) — To document compliance with Condition D.1.10, the Permittee shall maintain records of visible emission notations of the dryer and afterburner stack (DR-1) exhaust and the baghouse stack (DR-BH-1) exhaust once per shift, for shifts when the bag leak detection system was not operating for the duration of the shift.~~
- ~~(b) — To document compliance with Condition D.1.11, the Permittee shall maintain the following:
 - ~~(1) — Continuous records of the temperature inside the afterburner chamber during normal operation when venting to the atmosphere.~~
 - ~~(2) — Documentation of all response steps implemented, per event.~~~~

- ~~(3) — Operation and preventive maintenance logs, including work purchases orders, shall be maintained.~~
- ~~(4) — Quality Assurance/Quality Control (QA/QC) procedures.~~
- ~~(5) — Operator standard operating procedures (SOP).~~
- ~~(6) — Manufacturer's specifications or its equivalent.~~
- ~~(7) — Equipment "troubleshooting" contingency plan.~~
- ~~(8) — Documentation of the dates vents are redirected.~~
- ~~(c) — All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~
- ~~(d) — As of March 23, 2004, as required by 40 CFR 63.10(b), the Permittee shall maintain files of all information (including all reports and notifications) required by the general provisions and Subpart RRR.~~
 - ~~(1) — The Permittee shall retain each record for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The most recent two (2) years of records shall be retained at the facility. The remaining three (3) years of records may be retained off site.~~
 - ~~(2) — The Permittee may retain records on microfilm, computer disks, magnetic tape, or microfiche; and~~
 - ~~(3) — The Permittee may report required information on paper or on a labeled computer disk using commonly available and EPA-compatible computer software.~~
- ~~(e) — As of March 23, 2004, in addition to the general records required by 40 CFR 63.10(b), the Permittee shall maintain records of:~~
 - ~~(1) — Records of 15-minute block average afterburner operating temperature, including any period when the average temperature in any three (3)-hour block period falls below the compliant operating parameter value with a brief explanation of the cause of the excursion and the corrective action taken.~~
 - ~~(2) — Records of annual afterburner inspections.~~
 - ~~(3) — Records of the feed/charge weight rates for each operating cycle or time period used in the performance test.~~
 - ~~(4) — Records of monthly inspections for proper unit labeling for the scrap dryer.~~
 - ~~(5) — Records of annual inspections of capture/collection and closed vent systems.~~
 - ~~(6) — Current copy of all required plans, including any revisions, with records documenting conformance with the applicable plan, including:
 - ~~(A) — Startup, shutdown, and malfunction plan; and~~~~

~~(B) — Operation, Maintenance, and Monitoring Plan:~~

- ~~(f) — In addition to the general records required by 40 CFR 63.10(b), the Permittee shall maintain records of the number of total operating hours for the dryer during each six (6)-month reporting period, records of each alarm, the time of the alarm, the time corrective action was initiated and completed, and a brief description of the cause of the alarm and the corrective action(s) taken.~~
- ~~(g) — To document compliance with Condition D.1.12, the Permittee shall maintain records once per shift of the total static pressure drop during normal operation.~~
- ~~(h) — To document compliance with Condition D.1.6, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~
- ~~(i) — To document compliance with Condition D.1.13, the Permittee shall maintain records of the results of the inspections required under Condition D.1.13.~~

~~D.1.16 Notifications and Reports for Secondary Aluminum Production [40 CFR Part 63.1515 and 63.1516, Subpart RRR]~~

- ~~(a) — Pursuant to 40 CFR 63.1515(a)(6), as required by 40 CFR 63.9(e) and (f), the Permittee shall provide notification of the anticipated date for conducting performance tests. The Permittee shall notify the IDEM, OAG, of the intent to conduct a performance test at least 60 days before the performance test is scheduled.~~
- ~~(b) — Pursuant to 40 CFR 63.1515(b), the Permittee shall submit a notification of compliance status reports no more than 60 days after March 23, 2004 for the dryer. The notification shall be signed by the responsible official who must certify its accuracy. The report shall include:
 - ~~(1) — All information required in 40 CFR 63.9(h). The Permittee shall provide a complete performance test report for each affected unit, including data, associated measurements, and calculations.~~
 - ~~(2) — The approved site-specific test plan and performance evaluation test results for each continuous monitoring system.~~
 - ~~(3) — Unit labeling as described in 40 CFR 63.1506(b), including process type or each affected unit classification and operating requirements.~~
 - ~~(4) — The compliant operating parameter value or range established for the dryer with supporting documentation and a description of the procedure used to establish the value (e.g., afterburner operating temperature), including the operating cycle or time period used in the performance test.~~
 - ~~(5) — Design information and analysis, with supporting documentation, demonstrating conformance with the requirements for the capture/collection system required in 40 CFR 63.1506(c).~~
 - ~~(6) — Approved Operation, Maintenance, and Monitoring Plan.~~
 - ~~(7) — Startup, shutdown, and malfunction plan.~~~~

- (c) Pursuant to 40 CFR 63.1516(a), prior to March 23, 2004, the Permittee shall develop and implement a written plan that contains specific procedures to be followed for operating and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the emission limit. The Permittee shall keep records of each event as required by 40 CFR 63.10(b) and record and report if an action taken during startup, shutdown, or malfunction is not consistent with the procedures in the startup, shutdown, and malfunction plan. The plan shall include the following:
- (1) The procedures to determine and record the cause of a malfunction and the time the malfunction began and ended; and
 - (2) Corrective actions to be taken in the event of a malfunction of a process or control device, including the actions taken to correct the malfunction or minimize emissions.
- (d) Pursuant to 40 CFR 63.1516(b), beginning in 2004, the Permittee shall submit a semi-annual report within 60 days after the end of each six (6) month period detailing all deviations from the Operation, Maintenance, and Monitoring Plan. When no deviations have occurred, the Permittee shall submit a report stating that no excess emissions occurred during the reporting period. A report shall be submitted if any of these conditions occur during a six (6) month reporting period:
- (1) An excursion of a compliant process or operating parameter value or range (e.g., lime injection rate or screw feeder setting, total reactive chlorine flux injection rate, afterburner operating temperature, fabric filter inlet temperature, definition of acceptable scrap, or other approved operating parameter);
 - (2) An action taken during a startup, shutdown, or malfunction was not consistent with the procedures in the plan as described in 40 CFR 63.6(e)(3);
 - (3) An affected source (including an emission unit in a secondary aluminum processing unit) was not operated according to the requirements of Part 63, Subpart RRR.
- (e) Pursuant to 40 CFR 63.1516(b)(3), the Permittee shall submit the results of any performance test conducted during the reporting period, including one complete report documenting test methods and procedures, process operation, and monitoring parameter ranges or values for each test method used for a particular type of emission point tested.
- (f) As of March 23, 2004, for the purpose of annual certifications of compliance required by 40 CFR Part 70 or 71, the owner or operator shall certify continuing compliance based upon, but not limited to, the following conditions:
- (1) Any period of excess emissions, as defined in paragraph (b)(1) of this section, that occurred during the year were reported as required by Subpart RRR; and
 - (2) All monitoring, record keeping, and reporting requirements were met during the year.

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

- (ab) One (1) natural gas-fired rotary furnace, identified as RF, with a maximum heat input capacity of 9.0 million British thermal units per hour, and a maximum capacity of 7,000 pounds of aluminum per hour, using a capture hood and a baghouse (**DR-BH**) (~~RF-BH~~) as control, and exhausting to stack **DR-BH-1** ~~RF-BH~~.

Compliance Determination Requirements

D.2.8 Testing Requirements [326 IAC 2-7-6(1),(6)][40 CFR Part 63.1511, Subpart RRR]

- (a) During the period between 30 and 36 months after issuance of this permit (T 093-7641-05064, issued on September 1, 1999), the Permittee shall perform PM testing utilizing Methods 5 or 17 (40 CFR 60, Appendix A), or other methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.
- (b) Within 180 days after March 23, 2004, which is the final compliance date for Subpart RRR, in order to demonstrate compliance with Conditions D.2.4(b) and (c), the Permittee shall perform ~~PM~~, HCl and D/F testing on the baghouse, identified as **DR-BH** ~~RF-BH~~, using methods as approved by the Commissioner. When testing ~~the~~ baghouse, the rotary furnace shall be operated at ninety-five percent (95%) or more of its maximum design capacities. Testing shall be conducted in accordance with Section C- Performance Testing. This test shall be repeated at least once every two and half (2.5) years from the date of this valid compliance demonstration. ~~This test for PM emissions shall also satisfy the requirements of Condition D.2.8(a).~~
- (1) Pursuant to 40 CFR 63.1511(a), prior to conducting the performance test required by 40 CFR 63, Subpart RRR, the Permittee shall prepare and submit a site-specific test plan in compliance with 40 CFR 63.7(c).
- (2) Pursuant to 40 CFR 63.1511(b), following approval of the site-specific test plan, the Permittee shall demonstrate initial compliance with each applicable emission, equipment, work practice, or operational standard for each affected unit and report the results in the notification of compliance report. The Permittee shall conduct performance tests in accordance with the requirements in 40 CFR 63, Subpart A and 40 CFR 63, Subpart RRR. The Permittee shall use Method 23 in Appendix A to 40 CFR 60 or an alternative method approved by IDEM, OAQ, to measure the concentration of D/F.
- (3) Pursuant to 40 CFR 63.1511(g), the Permittee shall establish a minimum or maximum operating parameter value, or an operating parameter range for each parameter to be monitored as required by 40 CFR 63.1510 that ensures compliance with the applicable emission limit for D/F. The Permittee may use existing data in addition to the results of the performance test to establish operating parameter values for compliance monitoring provided the requirements of 40 CFR 63.1511(g) are met.

- (c) **Within 180 days after issuance of AAT 093-19425-05064, in order to demonstrate compliance with Condition D.2.4(a), the Permittee shall perform PM testing on the baghouse, identified as DR-BH, using methods as approved by the Commissioner. When testing the baghouse, the rotary furnace shall be operated at ninety-five percent (95%) or more of its maximum design capacities. Testing shall be conducted in accordance with Section C- Performance Testing. This test shall be repeated at least once every two and half (2.5) years from the date of this valid compliance demonstration. This test for PM emissions shall also satisfy the requirements of Condition D.2.8(a).**
- (1) **Pursuant to 40 CFR 63.1511(a), prior to conducting the performance test required by 40 CFR 63, Subpart RRR, the Permittee shall prepare and submit a site-specific test plan in compliance with 40 CFR 63.7(c).**
- (2) **Pursuant to 40 CFR 63.1511(b), following approval of the site-specific test plan, the Permittee shall demonstrate initial compliance with each applicable emission, equipment, work practice, or operational standard for each affected unit and report the results in the notification of compliance report. The Permittee shall conduct performance tests in accordance with the requirements in 40 CFR 63, Subpart A and 40 CFR 63, Subpart RRR.**
- (de) During the period between 30 and 36 months after issuance of SPM 093-15313-05064, in order to demonstrate compliance with Condition D.2.1, the Permittee shall perform PM₁₀ testing utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM₁₀ includes filterable and condensable PM₁₀. Testing shall be conducted in accordance with Section C- Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.2.10 Visible Emissions Notations

- (a) Visible emission notations of the baghouse stack (**DR-BH-1 RF-BH**) exhaust shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

D.2.11 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the rotary furnace, at least once per working shift when the rotary furnace is in operation when venting to the atmosphere. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across baghouse **DR-BH RF-BH** shall be maintained within the range of **0.5 5-θ** and **5.0 42-θ** inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The instruments used for determining the pressure shall comply with Section C - Pressure Gauge and Temperature Sensor Specifications, of this permit, shall be subject to approval by IDEM, OAM, and shall be calibrated at least once every six (6) months.

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.15 Record Keeping Requirements

- (a) To document compliance with Condition D.2.10, the Permittee shall maintain records of visible emission notations of the baghouse stack (~~DR-BH-1~~ RF-BH) exhaust once per shift.

Conclusion

The operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Administrative Amendment No. 093-19425-05064.