INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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*Mitchell E. Daniels, Jr.*
*Governor*

*Thomas W. Easterly*
*Commissioner*

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

TO: Interested Parties / Applicant

DATE: July 30, 2007

RE: Aluminum Recovery Technologies / 113-24966-00071

FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

# Notice of Decision – Approval

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

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

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

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

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

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

Enclosures
FNPER-AM.dot 03/23/06

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Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
www.in.gov/idem

July 30, 2007

Mr. Farrell Norman
Aluminum Recovery Technologies, Inc.
2170 Production Road
Kendallville, Indiana 46755

Re: 113-24966-00071
Administrative Amendment to
T113-12126-00071

Dear Mr. Norman:

Aluminum Recovery Technologies, Inc. was issued a Part 70 permit on April 7, 2004 for the operation of a secondary aluminum production facility. An application from Aluminum Recovery Technologies, Inc. received on June 27, 2007, has been reviewed. In this application Aluminum Recovery Technologies, Inc. requests a change in the title of the responsible official and a change in the company SIC code. The company wants to change their SIC code from 3365 aluminum foundries to 3341 secondary smelting and refining of nonferrous metals which more accurately reflects the operations of their facility.

Based on the request by Aluminum Recovery Technologies, Inc , located at 2170 Production Road, Kendallville, Indiana and the provisions in 326 IAC 2-7-11, it has been determined that the SIC code will be changed from 3365 aluminum foundries to 3341 secondary smelting and refining of nonferrous metals.

The changes listed below have been made to Part 70 Operating Permit No. 113-12126-00071. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

1) Section A.1 has been changed as follows:

IDEM, OAQ has determined that it is not necessary to list the Responsible Official name or title in Section A.1, General Information, of the permit. However, OAQ will still be evaluating if a change in RO meets the criteria specified in 326 IAC 2-7-1(34). The revised Section A.1 is as follows:

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates stationary secondary aluminum production source.

| | |
|---|---|
| ~~Responsible Official:~~ | ~~General Manager~~ |
| Source Address: | 2170 Production Road, Kendallville, IN 46755 |
| Mailing Address: | 2170 Production Road, Kendallville, IN 46755 |
| General Source Phone Number: | (219) 349-1590 |
| SIC Code: | ~~3365~~ **3341** |
| County Location: | Noble |

2) All references to IDEM, OAQ's mailing address have been revised as follows:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue~~, P.O. Box 6015~~
**MC61-50 IGCN 1003**
Indianapolis, Indiana 4620~~6~~ **4**- ~~6015~~ **2251**

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue~~, P.O. Box 6015~~
**MC61-53 IGCN 1003**
Indianapolis, Indiana 4620~~6~~ **4**- ~~6015~~ **2251**

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue~~, P.O. Box 6015~~
**MC61-52 IGCN 1003**
Indianapolis, Indiana 4620~~6~~ **4**- ~~6015~~ **2251**

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue~~, P.O. Box 6015~~
**MC61-53 IGCN 1003**
Indianapolis, Indiana 4620~~6~~ **4**- ~~6015~~ **2251**

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue~~, P.O. Box 6015~~
**MC61-53 IGCN 1003**
Indianapolis, Indiana 4620~~6~~ **4**- ~~6015~~ **2251**

3) Wherever they appear in this permit, IDEM's Compliance Section phone and fax numbers have been changed to read as follows:

Telephone Number: 317-233-~~5674~~ **0178**
Facsimile Number: 317-233-~~5967~~ **6865**

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

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3.5. If you have any questions on this matter, please contact Walter Habeeb, OAQ, 100 North Senate Avenue, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Walter Habeeb or extension 2-8422, or dial (317) 232-8422.

Original signed by,

Matthew W. Stuckey, Deputy Branch Chief
Permits Branch
Office of Air Quality

WH

cc: File - Noble County
Noble County Health Department
Air Compliance – Northern Regional Office

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(800) 451-6027
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# PART 70 OPERATING PERMIT
# OFFICE OF AIR QUALITY

## Aluminum Recovery Technologies, Inc.
## 2170 Production Road
## Kendallville, Indiana 46755

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

**The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. 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. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.**

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions.

| Operation Permit No.: T113-12126-00071 | |
|---|---|
| Issued by: Original Signed by Janet G. McCabe<br>Janet G. McCabe, Assistant Commissioner<br>Office of Air Quality | Issuance Date: April 7, 2004<br><br>Expiration Date: April 7, 2009 |

First Administrative Amendment No.: 113-13807-00071, issued February 12, 2001
Significant Source Modification No.: 113-18712-00071, issued July 20, 2004
Significant Permit Modification No.: 113-18722-00071, issued September 3, 2004

| Second Administrative Amendment No.:<br>113-24966- 00071 | |
|---|---|
| Original signed by:<br><br>Matthew W. Stuckey, Deputy Branch Chief<br>Office of Air Quality | Issuance Date:July 30, 2007<br><br>Expiration Date: April 7, 2009 |

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## 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)] [326 IAC 2-7-1(22)]

The Permittee owns and operates stationary secondary aluminum production source.

| | |
|---|---|
| Source Address: | 2170 Production Road, Kendallville, IN 46755 |
| Mailing Address: | 2170 Production Road, Kendallville, IN 46755 |
| General Source Phone Number: | (219) 349-1590 |
| SIC Code: | 3341 |
| County Location: | Noble |
| Source Location Status: | Attainment for all criteria pollutants |
| Source Status: | Part 70 Permit Program<br>Minor Source, under PSD<br>Major Source, Section 112 of the Clean Air Act<br>1 of 28 Source Categories |

### 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 #1, which commenced construction prior to February 11, 1999, with a maximum heat input capacity of 12.0 million British thermal units (MMBtu) per hour, with a maximum capacity of 13,362 pounds of dross and aluminum scrap per hour and 2,168 pounds of solid reactive flux per hour, with emissions controlled by one (1) lime injected baghouse, identified as Baghouse A, exhausting through one (1) stack, identified as Vent #1;

(b) One (1) natural gas-fired rotary furnace, identified as RF #2, constructed in September 2001, with a maximum heat input capacity of 12.0 MMBtu/hr, with a maximum capacity of 10,340 pounds of dross and aluminum scrap per hour and 1,660 pounds of solid reactive flux per hour, with emissions controlled by one (1) lime injected baghouse, identified as Baghouse C, exhausting through one (1) stack, identified as Vent #3;

(c) One (1) natural gas-fired thermal chip dryer, identified as Dryer #1, which commenced construction prior to February 11, 1999, with a maximum heat input capacity of 4.0 MMBtu/hr, with a maximum capacity of processing 7,035 pounds of aluminum per hour, with emissions controlled by one (1) baghouse, identified as Baghouse B, and one (1) natural gas-fired afterburner with a maximum heat input capacity of 6.0 MMBtu/hr, identified as Afterburner, exhausting through one (1) stack, identified as Vent #2; and

(d) One (1) dross cooling operation, cooling up to 27,530 pounds of furnace dross per hour, with emissions exhausting into the building.

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

(a) This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

(1) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment [326 IAC 6-3-2]; and

(2) Conveyors as follows:

Covered conveyors for limestone conveying of less than or equal to 7,200 tons per day for sources other than mineral processing plants constructed after August 31, 1983. This includes Baghouse A, Baghouse B, and Baghouse C lime injection screw conveyors, each conveying up to 100 pounds per hour of lime to the respective baghouse. [326 IAC 6-3-2]

(b) At the request of the Permittee, the following insignificant activities which are also located at this source, but are not specifically regulated, are listed herein for informational purposes only:

(1) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour;

(2) Combustion source flame safety purging on startup;

(3) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month;

(4) The following VOC and HAP storage containers:

(A) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons;

(B) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids;

(5) Refractory storage not requiring air pollution control equipment;

(6) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings;

(7) Machining where an aqueous cutting coolant continuously floods the machining interface;

(8) Cleaners and solvents characterized as follows:

(A) Having a vapor pressure equal to or less than 2 kPa; 15mm Hg; or 0.3 psi measured at 38 degrees C (100F) or;

(B) Having a vapor pressure equal to or less than 0.7 kPa; 5mm Hg; or 0.1 psi measured at 20C (68F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months;

(9) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment;

(10) Process vessel degassing and cleaning to prepare for internal repairs;

(11) Paved and unpaved roads and parking lots with public access;

(12) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from these activities would not be associated with any production process;

(13) Flue gas conditioning systems and associated chemicals such as the following: sodium sulfate, ammonia; and sulfur trioxide;

(14) Purge double block and bleed valves; and

(15) Filter or coalescer media changeout.

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); and

(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 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, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5]

This permit is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

B.3 Enforceability [326 IAC 2-7-7]

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

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

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

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

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.

(c) A responsible official is defined at 326 IAC 2-7-1(34).

B.9 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 initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications 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 Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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 appropriate 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 the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(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.10 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 (PMPs) 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; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs 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
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 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.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a 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 and the IDEM Northern Regional Office 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: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

IDEM Northern Regional Office:
Telephone Number: 574-245-4870
Facsimile Number: 574-245-4877

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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). 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 accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) 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.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.12 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that 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 either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced 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 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) In addition to the nonapplicability determinations set forth in Sections D of this permit, the IDEM, OAQ has made the following determinations regarding this source:

(1) This source is not subject to the requirements of the New Source Performance Standard (NSPS), 326 IAC 12, 40 CFR 60.191, Subpart S (Primary Aluminum Reduction), because the source does not perform primary aluminum reduction as defined in 40 CFR 60.191. This source is a secondary aluminum production plant, therefore the requirements under 326 IAC 12, (40 CFR 60.191, Subpart S) do not apply.

(2) The non-specifically regulated insignificant activities identified as “a petroleum fuel, other than gasoline, dispensing facility with storage capacity less than or equal to 10,500 gallons”, and VOC and HAP storage containers with capacities less than or equal to 1,000 gallons, are not subject to the New Source Performance Standards, 326 IAC 12, (40 CFR Parts 60.110, 110a - 115a or 110b - 117b, as Subparts K, Ka, and Kb, respectively). The storage capacities associated with these activities are below the minimum applicable threshold to the three rules (i.e., 40 cubic meters (10,568 gallons)).

(3) The requirements of Section 112(j) of the Clean Air Act (40 CFR Part 63.50 through 63.56) are not applicable to this source because the source does not include one or more units that belong to one or more source categories affected by the Section 112(j) MACT Hammer date of May 15, 2002.

(4) The requirements of 40 CFR Part 64, Compliance Assurance Monitoring, are not applicable to this source. Such requirements apply to a pollutant-specific emissions unit (PSEU), as defined in 40 CFR 64.1, at a major source that is required to obtain a Part 70 or 71 permit if the PSEU meets the following criteria:

(A) the unit is subject to an emission limitation or standard for an applicable regulated air pollutant,

(B) the unit uses a control device as defined in 40 CFR 64.1 to comply with that emission limitation or standard, and

(C) the unit has a potential to emit (PTE) before controls equal to or greater than 100 percent of the amount (tons per year) of the pollutant required for a source to classified as a Part 70 major source.

This source is required to obtain a Part 70 permit pursuant to 40 CFR 63.1500(e). The PSEUs as RF#1 or RF#2 (only one furnace operates at a time) have an uncontrolled PTE at greater than 100 percent of the applicable major Part 70 thresholds for PM10 and HAPs (for HCl). However, pursuant to 40 CFR 64.2(b)(i), *Exemptions*, the requirements of Part 64 do not apply to sources subject to Section 112 emission limits or standards published after November 15, 1990. Since these PSEUs are subject to Subpart RRR (i.e., a Section 112 emission limit), the requirements of 40 CFR 64, Compliance Assurance Monitoring, are not applicable.

(5) Pursuant to 326 IAC 8-4-1 (Applicability) and 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities), all petroleum liquid storage vessels with capacities greater than one hundred fifty thousand (150,000) liters (39,000 gallons) containing VOC whose true vapor pressure is greater than 10.5 kPa (1.52 psi) shall comply with the requirements for external fixed and floating roof tanks and the specified record keeping and reporting requirements. The non-specifically regulated insignificant activities identified as “a petroleum fuel, other than gasoline, dispensing facility with storage capacity less than or equal to 10,500 gallons” and VOC and HAP storage containers with capacities less than or equal to 1,000 gallons, are not subject to the requirements of 326 IAC 8-4-3 since the storage tanks are below the 39,000 gallon threshold for rule applicability.

(6) Pursuant to 326 IAC 8-9-1, on and after October 1, 1995 stationary vessels used to store volatile organic liquids (VOL) must comply with the requirement of the rule if located in Clark, Floyd, Lake or Porter Counties. This rule is not applicable to this source since it is located in Noble County.

(7) Pursuant to 326 IAC 11-1-1, particulate matter emission limitations for foundries established in 326 IAC 11-1-2 are not applicable to this source because the source does not operate a cupola.

(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, 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. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(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.13 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised, or

(3) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

B.14 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 Data Section, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.15 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)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(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.16 Permit Renewal [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). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(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.

(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.17 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by 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
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

(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)]

(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

B.18 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) 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.19 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

(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 preconstruction approval required by 326 IAC 2-7-10.5 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
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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)(1), (c)(1), and (e)(2).

(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). 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 is not considered an application form, report or compliance certification. Therefore, the notification 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.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

B.21 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The application 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) 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.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), 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 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314]

Notwithstanding the conditions of this permit that state specific methods that may be used to demonstrate compliance with, or a violation of, applicable requirements, any person (including the Permittee) may also use other credible evidence to demonstrate compliance with, or a violation of, any term or condition of this permit.

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [40 CFR 52 Subpart P][326 IAC 6-3-2]

(a) Pursuant to 40 CFR 52 Subpart P, particulate emissions 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.

(b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. This condition is not federally enforceable.

C.2 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of 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.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

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

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

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

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

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

Except as otherwise provided by statute or rule, or in this permit, 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.7 Stack Height [326 IAC 1-7]

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

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

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

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

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

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

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

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

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

C.11 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

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

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

C.13 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its 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 (±2%) of full scale reading.

(b) Whenever a condition in this permit requires the measurement of a temperature or flow rate, the instrument 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 (±2%) of full scale reading.

(c) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

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

C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.15 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. If a Permittee is required to have an Operation, Maintenance and Monitoring (OM&M) Plan or a Start-up, Shutdown, and Malfunction (SSM) Plan under 40 CFR Parts 60/63, such plans shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:

(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.

(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan, or Operation, Maintenance and Monitoring (OM&M) Plan or Start-up, Shutdown, and Malfunction (SSM) Plan, and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan, or OM&M Plan or SSM Plan, to include such response steps taken.

The OM&M Plan and SSM Plan shall be submitted within the time frames specified by 40 CFR Part 63, Subpart RRR.

(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:

(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan, or Operation, Maintenance and Monitoring (OM&M) Plan or Start-up, Shutdown, and Malfunction (SSM) Plan; or

(2) If none of the reasonable response steps listed in the Compliance Response Plan, or Operation, Maintenance and Monitoring (OM&M) Plan or Start-up, Shutdown, and Malfunction (SSM) Plan, is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.

(4) Failure to take reasonable response steps shall be considered a deviation from the permit.

(c) The Permittee is not required to take any further response steps for any of the following reasons:

(1) A false reading occurs due to the malfunction of the monitoring equipment and 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 a minor permit modification to the permit, and such request has not been denied.

(3) An automatic measurement was taken when the process was not operating.

(4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.

(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.

(e) The Permittee shall record all instances when, in accordance with Section D, response steps are 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.

(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.16 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 response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do 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.17 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 emission statement certified pursuant to the requirements of 326 IAC 2-6. This statement must be received in accordance with the compliance schedule specified in 326 IAC 2-6-3 and must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal should cover the period identified in 326 IAC 2-6. The emission statement shall meet the following requirements:

(1) Indicate estimated actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);

(2) Indicate estimated actual emissions of other regulated pollutants (as defined by 326 IAC 2-7-1(32) ("Regulated pollutant which is used only for purposes of Section 19 of this rule") from the source, for purposes of Part 70 fee assessment.

(b) The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

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

(c) The 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.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(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
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(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, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.

**Stratospheric Ozone Protection**

C.20 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 FACILITY OPERATION CONDITIONS

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

(a) One (1) natural gas-fired rotary furnace, identified as RF #1, which commenced construction prior to February 11, 1999, with a maximum heat input capacity of 12.0 million British thermal units (MMBtu) per hour, with a maximum capacity of 13,362 pounds of dross and aluminum scrap per hour and 2,168 pounds of solid reactive flux per hour, with emissions controlled by one (1) lime injected baghouse, identified as Baghouse A, exhausting through one (1) stack, identified as Vent #1;

(b) One (1) natural gas-fired rotary furnace, identified as RF #2, constructed in September 2001, with a maximum heat input capacity of 12.0 MMBtu/hr, with a maximum capacity of 10,340 pounds of dross and aluminum scrap per hour and 1,660 pounds of solid reactive flux per hour, with emissions controlled by one (1) lime injected baghouse, identified as Baghouse C, exhausting through one (1) stack, identified as Vent #3;

(c) One (1) natural gas-fired thermal chip dryer, identified as Dryer #1, which commenced construction prior to February 11, 1999, with a maximum heat input capacity of 4.0 MMBtu/hr, with a maximum capacity of processing 7,035 pounds of aluminum per hour, with emissions controlled by one (1) baghouse, identified as Baghouse B, and one (1) natural gas-fired afterburner with a maximum heat input capacity of 6.0 MMBtu/hr, identified as Afterburner, exhausting through one (1) stack, identified as Vent #2; and

(d) One (1) dross cooling operation, cooling up to 27,530 pounds of furnace dross per hour, with emissions exhausting into the building.

The following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

(a)(2) Conveyors as follows:

Covered conveyors for limestone conveying of less than or equal to 7,200 tons per day for sources other than mineral processing plants constructed after August 31, 1983. This includes Baghouse A, Baghouse B, and Baghouse C lime injection screw conveyors, each conveying up to 100 pounds per hour of lime to the respective baghouse. [326 IAC 6-3-2]

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

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

D.1.1 PSD Minor Limit [326 IAC 2-2]

Pursuant to Significant Source Modification 113-11409-00071, issued on March 29, 2000, and revised by this Title V permit, the Permittee shall comply as follows:

(a) Rotary Furnace RF#1:

(1) PM emissions shall be limited to 4.00 pounds per hour from Baghouse A controlling the furnace.

(2) PM10 emissions shall be limited to 4.00 pounds per hour from Baghouse A controlling the furnace.

(b) Rotary Furnace RF#2:

(1) PM emissions shall be limited to 8.00 pounds per hour from Baghouse C controlling the furnace.

(2) PM10 emissions shall be limited to 8.00 pounds per hour from Baghouse C controlling the furnace.

(c) Thermal Chip Dryer #1:

(1) PM emissions shall be limited to 4.00 pounds per hour.

(2) PM10 emissions shall be limited to 4.00 pounds per hour.

(d) Dross Cooling Operation:

(1) PM emissions shall be limited to 4.43 pounds per hour.

(2) PM10 emissions shall be limited to 4.43 pounds per hour.

(e) There shall be no visible emissions from any ductwork related to the two (2) natural gas-fired rotary furnaces, RF #1 and RF #2, the one (1) natural gas-fired thermal chip dryer, Dryer #1, Baghouse A (which controls emissions from RF #1), Baghouse C (which controls emissions from RF #2), and Baghouse B (which controls emissions from Dryer #1).

Compliance with this condition shall limit the potential to emit of PM and PM10 of the source to less than 100 tons per twelve (12) consecutive month period. Therefore, compliance with this condition shall make the requirements of 326 IAC 2-2 (PSD) not applicable to the source.

D.1.2 Particulate [326 IAC 6-3-2]

(a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the facilities listed below shall be limited as stated:

(1) The rotary furnace RF #1 system shall not exceed 16.25 pounds per hour when RF#1 is operating at a process weight rate of 15,530 pounds of feed (i.e., metal, dross and solid reactive flux) per hour and the Baghouse A lime injection conveyor is conveying up to 100 pounds of lime per hour to inject at Baghouse A.

(2) The rotary furnace RF #2 system shall not exceed 13.69 pounds per hour when RF#2 is operating at a process weight rate of 12,000 pounds of feed (i.e., metal, dross and solid reactive flux) per hour and the Baghouse C lime injection conveyor is conveying up to 100 pounds of lime per hour to inject at Baghouse C.

(3) The thermal chip dryer, Dryer #1, system shall not exceed 9.61 pounds per hour when Dryer#1 is operating at a process weight rate of 7,035 pounds of metal per hour and the Baghouse B lime injection conveyor is conveying up to 100 pounds of lime per hour to inject at Baghouse B.

(4) The dross cooling operation shall not exceed 23.75 pounds per hour when operating at a process weight rate of 27,530 pounds of furnace dross cooled per hour.

(b) These limits are based on the following equation:

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

$E = 4.10\ P^{0.67}$ 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 two (2) natural gas-fired rotary furnaces (identified as RF #1 and RF #2), and the one (1) natural gas-fired thermal chip dryer (identified as Dryer #1) except when otherwise specified in 40CFR Part 63, Subpart RRR.

D.1.4 Secondary Aluminum Production Facility Limits [40 CFR Part 63, Subpart RRR][326 IAC 8-1-6]

(a) Pursuant to 40 CFR Part 63.1505, the following conditions shall apply to the two (2) natural gas-fired rotary furnaces, RF #1 and RF #2. Furnace RF #1 is an existing secondary aluminum processing unit (SAPU), and furnace RF #2 is a new SAPU, pursuant to 40 CFR Part 63.1503.

(1) The Permittee shall not discharge or allow to be discharged to the atmosphere any 3-day, 24-hour rolling average emissions of PM in excess of:

$$L_{cPM} = \frac{\sum_{i=l}^{n} \left( L_{tiPM} x T_{ti} \right)}{\sum_{i=l}^{n} T_{ti}}$$

where $L_{tiPM}$ = the PM emission limit for an individual Group 1 furnace in the SAPU. This limit shall be 0.40 pounds of PM per ton of feed/charge or per ton of aluminum produced for each Group 1 furnace, RF#1 and RF#2 [40 CFR 63.1505(i)][40 CFR 63.1505(k)];

$T_{ti}$ = the feed/charge rate for the individual emission unit; and

$L_{cPM}$ = The PM emission limit for a SAPU.

[40 CFR 63.1505(k)(1)]

(2) The Permittee shall not discharge or allow to be discharged to the atmosphere any 3-day, 24-hour rolling average emissions of HCl in excess of:

$$L_{cHCl} = \frac{\sum_{i=l}^{n} \left( L_{tiHCl} x T_{ti} \right)}{\sum_{i=l}^{n} T_{ti}}$$

where $L_{tiHCl}$ = the HCl emission limit for an individual Group 1 furnace in the SAPU. This limit shall be 0.40 pounds of HCl per ton of feed/charge or per ton of aluminum produced, or 10 percent of the uncontrolled HCl emissions, by weight, for each Group 1 furnace, RF#1 and RF#2 [40 CFR 63.1505(i)][40 CFR 63.1505(k)];

$T_{ti}$ = the feed/charge rate for the individual emission unit; and

$L_{cHCl}$ = The HCl emission limit for a SAPU.

[40 CFR 63.1505(k)(2)]

(3) The Permittee shall not discharge or allow to be discharged to the atmosphere any 3-day, 24-hour rolling average emissions of total tetra-, penta-, hexa-, and octachlorinated dibenzo dioxins and furans (D/F) in excess of:

$$L_{cDF} = \frac{\sum_{i=l}^{n} \left( L_{tiDF} x T_{ti} \right)}{\sum_{i=l}^{n} T_{ti}}$$

where $L_{tiDF}$ = The D/F emission limit for an individual Group 1 furnace in the SAPU. This limit shall be 15 micrograms (Φg) of D/F TEQ per Mg ($2.1 \times 10^{-4}$ gr of D/F TEQ per ton) of feed/charge or per ton of aluminum produced for each Group 1 furnace, RF#1 and RF#2, where TEQ is the toxicity equivalents for dioxins and furans as defined in "Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and -Dibenzofurans (CDDs and CDFs) and 1989 Update" [40 CFR 63.1503][40 CFR 63.1505(i)][40 CFR 63.1505(k)];

$T_{ti}$ = the feed/charge rate for the individual emission unit; and

$L_{cDF}$ = The D/F emission limit for a SAPU.

[40 CFR 63.1505(k)(3)]

(4) The Permittee may demonstrate compliance with the emission limits of paragraphs (a)(1) through (a)(3) by demonstrating that each of RF#1 and RF#2 is in compliance with the applicable emission limit for an individual Group 1 furnace respectively specified as $L_{tiPM}$, $L_{tiHCl}$, and $L_{tiDF}$ in paragraphs (a)(1) through (a)(3).

(5) The Permittee may determine the emission standards for a SAPU by applying the group 1 furnace limits on the basis of the aluminum production weight in each group 1 furnace, rather than on the basis of feed/charge.

(6) With the prior approval of the responsible permitting authority, Permittee may redesignate any existing group 1 furnace at a secondary aluminum production facility as a new emission unit. Any emission unit so redesignated may thereafter be included in a new SAPU at that facility. Any such redesignation will be solely for the purpose of 40 CFR Part 63, Subpart RRR and will be irreversible.

(b) Pursuant to 40 CFR Part 63.1505, the following conditions shall apply to the one (1) natural gas-fired thermal chip dryer, Dryer #1:

(1) The total hydrocarbon (THC), as propane, emissions from the one (1) natural gas-fired thermal chip dryer, Dryer #1, shall not exceed 0.80 pounds per ton of feed/charge.

(2) Dryer #1, shall not exceed 2.50 micrograms (Φg) of D/F TEQ per Mg ($3.5 \times 10^{-5}$ grain per ton) of feed/charge.

Compliance with (b)(1) shall also render the requirements of 326 IAC 8-1-6 (New Facilities; General Reduction Requirements) not applicable to Dryer #1.

D.1.5 Labeling [40 CFR Part 63.1506(b)]

The Permittee shall provide and maintain easily visible labels that shall be posted at the furnaces. Said labels shall identify the applicable emission limits and means of compliance, including:

(a) the type of affected source or emission unit (e.g., scrap dryer/delacquering kiln/decoating kiln, group 1 furnace, group 2 furnace, in-line fluxer); and

(b) the applicable operational standard(s) and control method(s) (work practice or control device). This includes, but is not limited to, the type of charge to be used for a furnace (e.g., clean scrap only, all scrap, etc.), flux materials and addition practices, and the applicable operating parameter ranges and requirements as incorporated in the OM&M plan.

D.1.6 Capture and Control Systems [40 CFR Part 63.1506(c)][40 CFR Part 63.1510(d)(1)]

Pursuant to 40 CFR Part 63.1506(c) and 40 CFR Part 63.1510(d)(1), for RF#1, RF#2 and Dryer #1, each as an affected emission unit equipped with an add-on air pollution control device, the Permittee must:

(a) 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” (incorporated by reference: 40 CFR Part 63.1502).

(b) 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

(c) Operate and maintain each capture/collection system according to the procedures and requirements in the OM&M plan.

D.1.7 Thermal Chip Dryer Afterburner Compliance Requirements [40 CFR Part 63.1506(f)]

For Dryer #1, as a thermal chip dryer with emissions controlled by an afterburner, the Permittee must:

(a) Maintain the 3-hour block average operating temperature of the afterburner at or above the average temperature established during the performance test.

(b) Operate the afterburner in accordance with the OM&M plan.

(c) Operate the thermal chip dryer using only unpainted aluminum chips as feedstock.

D.1.8 Operation, Maintenance, and Monitoring (OM&M) Plan [40 CFR Part 63.1510(b)]

The Permittee must prepare and implement for each of the two (2) natural gas-fired rotary furnaces (identified as RF #1 and RF #2) and the one (1) natural gas-fired thermal chip dryer (identified as Dryer #1), a written operation, maintenance, and monitoring (OM&M) plan. The plan must be accompanied by a written certification by the Permittee that the OM&M plan satisfies all requirements of 40 CFR Part 63.1510 and is otherwise consistent with the requirements of 40 CFR Part 63, Subpart RRR. The Permittee must comply with all of the provisions of the OM&M plan as submitted to IDEM, unless and until the plan is revised in accordance with the following procedures. If IDEM determines at any time after receipt of the OM&M plan that any revisions of the plan are necessary to satisfy the requirements of 40 CFR Part 63.1510 or Subpart RRR, the Permittee must promptly make all necessary revisions and resubmit the revised plan. If the Permittee determines that any other revisions of the OM&M plan are necessary, such revisions will not become effective until the Permittee submits a description of the changes and a revised plan incorporating them to IDEM. Each plan must contain the following information:

(a) Process and control device parameters to be monitored to determine compliance, along with established operating levels or ranges, as applicable, for each process and control device.

(b) A monitoring schedule for each affected source and emission unit.

(c) Procedures for the proper operation and maintenance of each of the two (2) natural gas-fired rotary furnaces (identified as RF #1 and RF #2), the one (1) natural gas-fired thermal chip dryer (identified as Dryer #1); and Baghouse A, Baghouse C, and the Dryer #1 afterburner, each as an add-on control device used to meet the applicable emission limits or standards in 40 CFR Part 63.1505.

(d) Procedures for the proper operation and maintenance of monitoring devices or systems used to determine compliance, including:

(1) Calibration and certification of accuracy of each monitoring device, at least once every 6 months, according to the manufacturer's instructions; and

(2) Procedures for the quality control and quality assurance of continuous emission systems (bag leak detection) as required by the general provisions in subpart A of this part.

(e) Procedures for monitoring process and control device parameters, including procedures for annual inspections of afterburners, and the procedures to be used for determining charge/feed (or throughput) weight if a measurement device is not used.

(f) Corrective actions to be taken when process or operating parameters or add-on control device parameters deviate from the value or range established, including:

(1) Procedures to determine and record the cause of a deviation or excursion, and the time the deviation or excursion began and ended; and

(2) Procedures for recording the corrective action taken, the time corrective action was initiated, and the time/date corrective action was completed.

(g) A maintenance schedule for the two (2) natural gas-fired rotary furnaces (identified as RF #1 and RF #2) and the one (1) natural gas-fired thermal chip dryer (identified as Dryer #1) that is consistent with the manufacturer's instructions and recommendations for routine and long-term maintenance.

D.1.9 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:

(a) the two (2) natural gas-fired rotary furnaces, identified as RF #1 and RF #2;

(b) the one (1) natural gas-fired thermal chip dryer, identified as Dryer #1;

(c) Baghouse A and Baghouse C and their respective continuous lime injection systems which control emissions from RF #1 and RF #2, respectively;

(d) Baghouse B (which controls emissions from Dryer #1); and

(e) all associated ductwork related to RF #1 and RF #2, Dryer #1, and Baghouses A, B and C.

**Compliance Determination Requirements**

D.1.10 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11][40 CFR 63, Subpart RRR]

(a) Upon startup of rotary furnace RF#2 exhausting to Baghouse C, the following shall apply:

(1) Pursuant 40 CFR 63.1511(b), within one-hundred eighty (180) days after the startup of Baghouse C the Permittee shall conduct a PM and a HCl performance test in accordance with the requirements of 40 CFR 63, Subpart A and 40 CFR, Subpart RRR, to demonstrate compliance with Condition D.1.4 and Subpart RRR.

Pursuant to 40 CFR 63.1511(a), prior to conducting the performance test, the Permittee shall prepare a site-specific test plan which satisfies all of the requirements of Subpart RRR, and shall obtain approval of the plan pursuant to the procedures set forth in 40 CFR 63.7(c) (General Provisions).

(2) Pursuant to 326 IAC 2-7-6(1) and (6) and 326 IAC 2-1.1-11, within one-hundred eighty (180) days after the startup of Baghouse C the Permittee shall conduct a PM10 performance test using methods as approved by the Commissioner, to demonstrate compliance with Condition D.1.1(b).

PM10 includes filterable and condensible PM10. Testing shall be conducted in accordance with Section C - Performance Testing.

(3) The Permittee shall comply with the applicable requirements of paragraphs (c)(3), (c)(4), and (c)(5) of this condition for rotary furnace RF#2 exhausting to lime-injected Baghouse C. This shall include a determination of the maximum furnace operating cycle charge weight, whereby the Permittee shall submit a request to the OAQ to amend this permit if necessary to revise the charge weight specified in Condition D.1.12(b)(1)(D)(ii) consistent with this determination.

(b) During the period from August 2005 to January 2006, the Permittee shall perform a PM and a PM10 performance test on rotary furnace RF #1 and the thermal chip dryer, Dryer #1, using methods as approved by the Commissioner. Thereafter, pursuant to 326 IAC 2-7-6(1) and (6) and 326 IAC 2-1.1-11, these tests shall be repeated at least once every two and one-half (2.5) years from the date of this valid compliance demonstration and shall also include rotary furnace RF #2.

PM10 includes filterable and condensible PM10. Testing shall be conducted in accordance with Section C - Performance Testing.

(c) In order to demonstrate compliance with Condition D.1.4 and Subpart RRR, the Permittee shall comply as follows:

(1) During the period from August 2005 to January 2006, the Permittee shall perform a PM, a HCl, and a D/F performance test on rotary furnace RF #1, in accordance with the requirements in 40 CFR 63, Subpart A and 40 CFR 63, Subpart RRR, and using methods as approved by the Commissioner. Thereafter, these tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration and shall also include rotary furnace RF #2. Compliance with D.1.10(b) shall satisfy this requirement for PM testing.

(2) During the period from August 2005 to January 2006, the Permittee shall perform a total hydrocarbon (THC, measured as propane), and a D/F performance test on the thermal chip dryer, Dryer #1, while processing only unpainted aluminum chips, in accordance with the requirements in 40 CFR 63, Subpart A and 40 CFR 63, Subpart RRR, and using methods as approved by the Commissioner. Thereafter, these tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration.

(3) Pursuant to 40 CFR Part 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 40 CFR, Subpart RRR pollutant emission limit. To establish the minimum or maximum value or range, the Permittee shall use the appropriate procedures in 40 CFR Part 63.1511(g) and submit the information required by 40 CFR Part 63.1515(b)(4) in the notification of compliance status report. 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.

(4) Pursuant to paragraphs (k), (m), (n), (o), and (p) of 40 CFR Part 63.1512, and to demonstrate compliance with paragraph (c)(3) of this condition, during the performance tests the Permittee shall comply with the requirements and use the procedures in these sections respectively for:

(A) Measuring or otherwise determining feed/charge weight to the rotary furnaces RF #1 and RF #2 and the thermal chip dryer, Dryer #1;

(B) Establishing an operating parameter value or range for the afterburner operating temperature at the end of the combustion zone for the afterburner controlling thermal chip dryer, Dryer #1;

(C) Establishing an operating parameter value or range for the inlet gas temperature at the inlet to Baghouses A and C respectively controlling rotary furnaces RF #1 and RF #2;

(D) Establishing an operating parameter value or range for the total reactive chlorine flux injection rate to each of rotary furnaces RF #1 and RF #2; and

(E) Establishing an operating parameter value for the Baghouse A and C lime injection systems' feeder settings for each operating cycle or time period used in the performance test.

(5) Pursuant to paragraphs (a), (b), (d), and (e) of 40 CFR Part 63.1513, the Permittee shall comply with the requirements and use the applicable equations, references, and/or procedures in these sections respectively for:

(A) Determining compliance with an emission limit for THC;

(B) Determining compliance with an emission limit for PM, HCl, and D/F;

(C) Determining compliance with an HCl percent reduction standard;

(D) Conversion of D/F measurements to TEQ units; and

(E) Determining compliance with emission limits for a secondary aluminum processing unit.

D.1.11 Particulate Matter (PM and PM10), Hydrogen Chloride (HCl), Total Hydrocarbons (THC), and Dioxins and Furans (D/F)

(a) In order to comply with D.1.1, D.1.2, D.1.4, and D.1.6, Baghouses A and C, each with lime injection for PM, PM10 and HCl control shall be in operation at all times that respective furnaces RF #1 and RF #2 are in operation according to the procedures and requirements of the OM&M plan.

(b) In order to comply with D.1.1 and D.1.2, Baghouse B for PM and PM10 control shall be in operation and control emissions from the thermal chip dryer, Dryer #1, at all times that Dryer #1 is in operation.

(c) In order to comply with D.1.4 and D.1.6, the afterburner for THC and D/F emissions control shall be in operation at all times that the thermal chip dryer, Dryer #1, is in operation according to the procedures and requirements of the OM&M plan.

D.1.12 Feed/Charge Determination [40 CFR Part 63.1506(d)][40 CFR Part 63.1510(e)]

Pursuant to 40 CFR Part 63.1506(d) and 40 CFR Part 63.1510(e), for each affected emission unit subject to an emission limit in kg/Mg (lb/ton) or Φg/Mg (gr/ton) of feed/charge (RF#1, RF#2, and Dryer #1), the Permittee shall:

(a) Install, calibrate, operate and maintain 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.

(b) Pursuant to 40 CFR 63.1510(e), in lieu of paragraph (a) of this condition, IDEM hereby approves the use of an alternate measurement procedure to determine the total weight of feed/charge to RF#1, RF#2, and Dryer #1, each as an affected emission unit. The Permittee shall comply with this alternate measurement procedure as follows:

(1) Rotary furnace (RF#1 and RF#2) Alternate Feed/Charge Weight Procedure:

(A) For each truckload of metal/dross delivered to the plant, weigh:

(i) truck at the outdoor truck scale prior to unloading to determine gross weight;

(ii) truck at the outdoor truck scale after unloading to determine tare weight; and

(iii) metal/dross load at the small production scale, if the weight of the metal/dross delivery is determined to be less than 4,000 pounds.

(B) Assign a unique lot number to each truckload of metal/dross delivered to the plant.

(C) For each truckload of metal/dross delivered to the plant, record:

(i) the gross and tare truckload weights, and the net weight of the metal/dross delivery (i.e., lot);

(ii) the unique lot number assigned to the delivery,

(iii) the source (i.e., supplier) of the raw metal/dross delivery; and

(iv) the identification (ID) of the storage bin holding each lot (i.e., load of metal/dross).

(D) The metal/dross from one bin shall be processed in only one furnace, either RF#1 or RF#2, until all the metal/dross from that bin has been processed. If the amount of metal/dross in the bin is more than can be processed in one furnace charge, the Permittee shall limit the number of charges to the furnace as follows:

(i) RF#1: The total weight (pounds) of metal/dross in the bin shall be divided by the maximum furnace operating cycle charge amount of 23,000 pounds, rounding any fraction up to the next whole number, to obtain the number of allowed charges, N. The metal/dross in the bin shall be partitioned into N number of approximately equal portions and processed one portion per charge (e.g., if the material in the bin weighs 47,000 lbs, dividing 47,000 by 23,000 equals 2.08. Round 2.08 up to N=3. The material is then processed in 3 approximately equal charges.).

(ii) RF#2: The total weight (pounds) of metal/dross in the bin shall be divided by the maximum furnace operating cycle charge amount of 9,000 pounds, rounding any fraction up to the next whole number, to obtain the number of allowed charges, N. The metal/dross in the bin shall be partitioned into N number of approximately equal portions and processed one portion per charge.

(E) For each furnace, the hourly feed/charge rate shall be calculated by dividing the total weight of metal/dross in the respective bin (pounds) by the total amount of furnace operating time (hours) used to process the metal/dross in that bin.

(F) For each bin of metal/dross processed, record:

(i) date and time the metal/dross is processed through the furnace;

(ii) identification number of the furnace in which the metal/dross is processed;

(iii) total weight of the metal/dross charged to the furnace from the bin, the number (N) of allowed charges, the total furnace operating time to process the metal/dross in the bin, and the computed hourly feed/charge rate; and

(iv) identification number of the storage bin holding the recovered metal.

(2) Thermal Chip Dryer (Dryer #1) Alternate Feed/Charge Weight Procedure:

(A) For each truckload of scrap metal delivered to the plant, weigh:

(i) truck at the outdoor truck scale prior to unloading to determine gross weight;

(ii) truck at the outdoor truck scale after unloading to determine tare weight; and

(iii) scrap metal load at the small production scale, if the weight of the metal delivery is determined to be less than 4,000 pounds.

(B) Assign a unique lot number to each truckload of scrap metal delivered to the plant.

(C) For each truckload of scrap metal delivered to the plant, record:

(i) the gross and tare truckload weights, and the net weight of the metal delivery;

(ii) the unique lot number assigned to the delivery,

(iii) the source (i.e., supplier) of the scrap metal delivery; and

(iv) the identification (ID) of the storage bin holding each lot (i.e., load of scrap metal).

(D) The scrap metal from one bin shall be processed continuously in the dryer until all the metal from that bin has been processed.

(E) The dryer shall be operated at a constant rate for each bin lot, at or below the maximum feed/charge rate of 7,035 pounds per hour. The Permittee shall verify the rate of feed through the dryer as follows:

(i) record the net weight of the first material placed into the empty feed hopper from the bin and the time it takes to empty the first material from the feed hopper;

(ii) divide the net weight of the first material placed in the feed hopper by the time to empty the feed hopper to compute the hourly feed rate;

(iii) re-set the vibrating and timer settings at the feed hopper, if the

computed hourly feed rate is greater than the maximum feed/charge rate of 7,035 pounds per hour; and

(iv) repeat (i) through (iii) of this condition after any adjustment is made to the feeder settings.

(F) For each bin of scrap metal processed, record:

(i) date and time the metal is processed through the dryer;

(ii) dryer rate of feed verification calculation;

(iii) total weight of the metal charged to the dryer from the bin, the total dryer operating time to process the material in the bin, and the computed hourly feed rate; and

(iv) identification number of the storage bin holding the recovered metal.

(3) The accuracy of the weight measurement devices used in the alternate measurement procedure must be ±1 percent of the weight being measured. This requirement shall apply to the Toledo Model 8530 Couger outdoor truck weigh scale, and any other weight measurement device used to comply with the alternate measurement procedure.

(4) The Permittee must verify the calibration of the weight measurement devices used in the alternate measurement procedure in accordance with the schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every 6 months.

(c) Operate the alternate weight determination procedure in accordance with the OM&M plan.

(d) The Permittee may choose to measure and record aluminum production weight from an affected emission unit rather than feed/charge weight provided that:

(1) the aluminum production weight is measured for all emission units within a secondary aluminum processing unit; and

(2) all calculations to demonstrate compliance with the emission limits for secondary aluminum processing units (SAPUs) are based on aluminum production weight rather than feed/charge weight.

(e) Feed/charge or aluminum production within SAPUs must be measured and recorded on an emission unit-by-emission unit basis.

D.1.13 Secondary Aluminum Production Compliance Determination [40 CFR Part 63, Subpart RRR]

Pursuant to 40 CFR Part 63.1510, the following conditions shall apply to the two (2) natural gas-fired rotary furnaces (identified as RF #1 and RF #2) and the one (1) natural gas-fired thermal chip dryer (identified as Dryer #1):

(a) For RF#1 and RF#2, each as an affected source or emission unit using a lime-injected fabric filter to comply with the requirements of 40 CFR Part 63, Subpart RRR, the Permittee must install, calibrate, maintain, and continuously operate a bag leak detection system at the RF#1 and RF#2 fabric filters. [40 CFR Part 63.1510(f)(1)]

(1) The Permittee must install and operate a bag leak detection system for each

exhaust stack of a 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). 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 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 positive pressure fabric filter systems, a bag leak detection system must be installed in each baghouse compartment or cell. For negative pressure or induced air 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 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.

(b) For Dryer #1, as an affected source using an afterburner to comply with the requirements of 40 CFR Part 63, Subpart RRR, the Permittee must install, calibrate, maintain, and operate a device to continuously monitor and record the operating temperature of the Dryer #1 afterburner consistent with the requirements for continuous monitoring systems in 40 CFR 63 Subpart A. The temperature monitoring device must: [40 CFR Part 63.1510(g)]

(1) Be installed at the end of the combustion zone of each afterburner.

(2) Must record the temperature in 15-minute block averages and determine and record the average temperature for each 3-hour block period.

(3) The recorder response range must include zero and 1.5 times the average temperature established according to the requirements in 40 CFR Part 63.1512(m).

(4) The reference method must be a National Institute of Standards and Technology calibrated reference thermocouple-potentiometer system or alternate reference, subject to approval by the Administrator.

(c) For RF#1 and RF#2, each as a Group 1 furnace using a lime-injected fabric filter to comply with the requirements of 40 CFR Part 63, Subpart RRR, the Permittee must install, calibrate, maintain, and operate a device to continuously monitor and record the temperature of the fabric filter inlet gases consistent with the requirements for continuous monitoring systems in 40 CFR 63, Subpart A. The temperature monitoring device must meet each of these performance and equipment specifications: [40 CFR Part 63.1510(h)]

(1) The monitoring system must record the temperature in 15-minute block averages and calculate and record the average temperature for each 3-hour block period.

(2) The recorder response range must include zero and 1.5 times the average temperature established according to the requirements in 40 CFR Part 63.1512(n).

(3) The reference method must be a National Institute of Standards and Technology calibrated reference thermocouple-potentiometer system or alternate reference, subject to approval by the Administrator.

(d) For RF#1 and RF#2, each as an affected source or emission unit using a lime-injected fabric filter to comply with the requirements of 40 CFR Part 63, Subpart RRR, the Permittee shall comply as follows: [40 CFR Part 63.1510(i)]

(1) For the continuous lime injection system, verify that lime is always free-flowing by:

(A) Inspecting each feed hopper or silo at least once each 8-hour period and recording the results of each inspection. If lime is found not to be free-flowing during any of the 8-hour periods, the Permittee must increase the frequency of inspections to at least once every 4-hour period for the next 3 days. The Permittee may return to inspections at least once every 8 hour period if corrective action results in no further blockages of lime during the 3-day period; or

(B) Subject to the approval of IDEM, installing, operating and maintaining a load cell, carrier gas/lime flow indicator, carrier gas pressure drop measurement system or other system to confirm that lime is free-flowing. If lime is found not to be free-flowing, the Permittee must promptly initiate and complete corrective action, or

(C) Subject to the approval of IDEM, installing, operating and maintaining a device to monitor the concentration of HCl at the outlet of the fabric filter. If an increase in the concentration of HCl indicates that the lime is not free-flowing, the Permittee must promptly initiate and complete corrective action.

(2) The Permittee shall also record the feeder setting once each day of operation.

(e) For each of the two (2) natural gas-fired rotary furnaces RF #1 and RF #2 that use only solid reactive flux, the Permittee must: [40 CFR Part 63.1510(j)]

(1) Record, for each 15-minute block 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 solid reactive flux.

(2) Calculate and record the total reactive flux injection rate for each operating cycle or time period used in the performance test using the procedure in 40 CFR Part 63.1512(o).

(3) Pursuant to 40 CFR 63.1510(j), in lieu of paragraphs (e)(1) and (e)(2) of this condition, IDEM hereby approves the use of an alternate method for monitoring and recording the total reactive flux, which shall be based on monitoring the weight and quantity of reactive flux per ton of feed/charge for each operating cycle and time period used in the performance test. The Permittee shall comply with this alternate procedure as follows:

(A) Compute the maximum amount of flux needed per charge, based on the metal/dross charge weight and the maximum flux injection rate specified at Sections A.2 (a) and (b) for furnaces RF#1 and RF#2, respectively.

(B) Weigh the amount of solid flux to be injected (i.e., dumped) into each furnace charge using a tared, portable hopper.

(C) Record:

(i) date and time, and weight, of the flux injected into the furnace;

(ii) identification number of the furnace in which the flux is processed; and

(iii) total reactive flux injection rate and type of flux used.

(D) The accuracy of the weight measurement device used in this alternate procedure must be ±1 percent of the weight being measured. This requirement shall apply to the WTX Model W1125 flux weigh scale, and any other weight measurement device used to comply with the alternate procedure.

(E) The Permittee must verify the calibration of the weight measurement devices used in this alternate procedure in accordance with the schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every 6 months.

(f) For Dryer #1, as a thermal chip dryer with emissions controlled by an afterburner, the Permittee must: [40 CFR Part 63.1510(k)]

(1) Record the type of materials charged to the unit for each operating cycle or time period used in the performance test.

(2) Submit a certification of compliance with the applicable operational standard for charge materials in 40 CFR Part 63.1506(f)(3) for each 6-month reporting period. Each certification must contain the information in 40 CFR Part 63.1516(b)(2)(i).

(g) For RF#1 and RF #2, each as a secondary aluminum processing unit at this source, the Permittee must include, within the OM&M plan prepared in accordance with 40 CFR Part 63.1510(b), the following information: [40 CFR Part 63.1510(s)(1)]

(1) The identification of each emission unit in the secondary aluminum processing unit;

(2) The specific control technology or pollution prevention measure to be used for each emission unit in the secondary aluminum processing unit and the date of its installation or application;

(3) The emission limit calculated for each secondary aluminum processing unit and performance test result with supporting calculations demonstrating initial compliance with each applicable emission limit;

(4) Information and data demonstrating compliance for each emission unit with all applicable design equipment work practice or operational standards of Subpart RRR; and

(5) The monitoring requirements applicable to each emission unit in a secondary aluminum processing unit and the monitoring procedures for daily calculation of the 3-day, 24-hour rolling average using the procedure in 40 CFR Part 63.1510(t).

(h) The SAPU compliance procedures within the OM&M plan may not contain any of the following provisions: [40 CFR Part 63.1510(s)(2)]

(1) Any averaging among emissions of differing pollutants;

(2) The inclusion of any affected sources other than emission units in a secondary aluminum processing unit;

(3) The inclusion of any emission unit while it is shutdown; or

(4) The inclusion of any periods of startup, shutdown, or malfunction in emission calculations.

(i) To revise the SAPU compliance provisions within the OM&M plan prior to the end of the permit term, the Permittee must submit a request to IDEM containing the information required by 40 CFR Part 63.1510(s)(1) and obtain approval from IDEM prior to implementing any revisions. [40 CFR Part 63.1510(s)(3)]

(j) If the Permittee wishes to use an alternative monitoring method to demonstrate compliance with any emission standard in 40 CFR Part 63, Subpart RRR, other than those alternative monitoring methods which may be authorized pursuant to 40 CFR Part 63.1510(j)(5) and 40 CFR Part 63.1510(v), the Permittee may submit an application to the IDEM. Any such application will be processed according to the criteria and procedures set forth in 40 CFR Part 63.1510(w)(1) through (6).

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

D.1.14 Visible Emissions Notations

(a) Visible emission notations of the stack exhaust from Baghouse B controlling emissions from Dryer #1 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) Visible emission notations of the stack exhausts from Baghouses A and C, respectively controlling emissions from RF #1 and RF #2, shall be performed at least once per month during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(c) 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.

(d) 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.

(e) 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.

(f) The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

D.1.15 Labeling [40 CFR Part 63.1510(c)]

Pursuant to 40 CFR Part 63.1510, the Permittee must inspect the labels for each furnace required by Condition D.1.5 at least once per calendar month to confirm that posted labels as required by the operational standard in 40 CFR Part 63.1506(b) are intact and legible.

D.1.16 Capture/Collection System [40 CFR Part 63.1510(d)]

The Permittee must inspect each capture/collection and closed vent system required by Condition D.1.6 at least once each calendar year to ensure that each system is operating in accordance with the operating requirements in 40 CFR Part 63.1506(c) and record the results of each inspection.

D.1.17 Lime-Injected Fabric Filter [40 CFR Part 63.1506(m)]

Pursuant to 40 CFR Part 63.1506(m), for Group 1 furnaces RF#1 and RF#2 which use a lime-injected fabric filter for emissions control (Baghouse A and Baghouse C, respectively), the Permittee shall comply as follows:

(a) For each bag leak detection system used to meet the monitoring requirements in 40 CFR Part 63.1510, the Permittee shall:

(1) Initiate corrective action within one (1) hour of a bag leak detection system alarm.

(2) Complete the corrective action procedures in accordance with the OM&M plan.

(3) Operate each fabric filter system such that the bag leak detection system alarm does not sound more than 5 percent of the operating time during a 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 1 hour. If the Permittee takes longer than 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) Maintain the 3-hour block average inlet temperature for each fabric filter at or below the average temperature established during the performance test, plus 14 EC (plus 25 EF).

(c) For each continuous lime-injection system, the Permittee shall maintain free-flowing lime in the hopper to the feed device at all times and maintain the lime feeder setting at the same level established during the performance test. For the purposes of this rule lime means calcium oxide or other alkaline reagent; and lime-injection means the continuous addition of lime upstream of the fabric filter.

(d) Maintain the total reactive chlorine flux injection rate for each operating cycle or time period used in the performance test at or below the average rate established during the performance test.

D.1.18 Corrective Action [40 CFR Part 63.1506(p)]

The Permittee must initiate corrective action when a process parameter or add-on air pollution control device operating parameter deviates from the value or range established during the performance test and incorporated in the OM&M plan. Corrective action must restore operation of the affected source or 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 must 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 a deviation.

D.1.19 Compliance Monitoring Requirements [40 CFR Part 63.1510(t)] [40 CFR Part 63.1510(u)]

Pursuant to 40 CFR Part 63, Subpart RRR, on and after the compliance date, the Permittee shall monitor all new and existing affected sources or emission units and control equipment according to the following requirements [40 CFR Part 63.1510(a)]:

(a) The Permittee shall calculate and record the 3-day, 24- hour rolling average emissions of PM, HCl, and D/F for each furnace on a daily basis. To calculate the 3-day, 24-hour rolling average, the Permittee shall [40 CFR Part 63.1510(t)]:

(1) Calculate and record the total weight of material charged to each furnace for each twenty-four- (24-) hour day of operation using the feed/charge weight data collected as required under Subpart RRR. If the Permittee chooses to comply on the basis of weight of aluminum produced by the emission unit, rather than weight of material charged to the emission unit, all performance test emissions results and all calculations must be conducted on the aluminum production weight basis.

(2) To provide emissions for each furnace for the twenty-four- (24-) hour period, in pounds: multiply the total feed/charge weight to the furnace or the weight of aluminum produced by the furnace for the twenty-four- (24-) hour period, by the emission rate (in lb/ton of feed/charge) for that furnace (as determined during the emission test).

(3) Calculate and record the three- (3-) day, twenty-four- (24-) hour rolling average for each pollutant each day by summing the daily emission rates for each pollutant over the three (3) most recent consecutive days and dividing by three (3).

(b) As an alternative to the procedures in (a) above, the Permittee may demonstrate, through performance tests, that each individual emission unit within a secondary aluminum production unit (RF#1 and RF#2) is in compliance with the applicable emission limits for the emission unit. [40 CFR Part 63.1510(u)]

D.1.20 Thermal Chip Dryer Afterburner Compliance Requirements [40 CFR Part 63.1510(g)]

Pursuant to 40 CFR 63.1510(g), for the thermal chip dryer, Dryer #1, using an afterburner for control, the Permittee shall conduct an inspection of each afterburner at least once a year and record the results. At a minimum, an inspection must 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, for the burn cycle that follows the inspection, that the afterburner is operating properly and any necessary adjustments have been made;

(j) Verification that the equipment is maintained in good operating condition; and

(k) Following an equipment inspection, all necessary repairs must be completed in accordance with the requirements of the OM&M plan.

D.1.21 Parametric Monitoring

The Permittee shall record the total static pressure drop across Baghouse B, used in conjunction with Dryer #1, at least once per shift, when Dryer #1 is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. 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 Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

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

D.1.22 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the rotary furnaces RF #1 and RF #2 and the thermal chip dryer, Dryer #1, 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 required by this condition shall not be performed in consecutive months. Inspections are optional when venting to the indoors. All defective bags shall be replaced.

D.1.23 Broken or Failed Bag Detection

For Baghouses A, B, and C, in the event that bag failure has been observed or has been determined to occur by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, or bag leak detection system alarm, the affected compartments for these multi-compartments unit 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 Section C - Compliance Monitoring Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be 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.

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

D.1.24 Record Keeping Requirements

(a) To document compliance with Condition D.1.14, the Permittee shall maintain once per shift visible emissions notations for Baghouse B, and once per month visible emissions notations for Baghouses A and C.

(b) To document compliance with Condition D.1.21, the Permittee shall maintain once per shift records of the total static pressure drop for Baghouse B during normal operation when venting to the atmosphere.

(c) To document compliance with Condition D.1.22, the Permittee shall maintain records of the results of the inspections required under Condition D.1.22 and the dates the vents are redirected.

(d) To document compliance with Condition D.1.9, the Permittee shall maintain of records any additional inspections prescribed by the Preventive Maintenance Plan.

D.1.25 Secondary Aluminum Production Record Keeping Requirements [40 CFR Part 63, Subpart RRR]

Pursuant to 40 CFR Part 63.1517, the Permittee shall comply with the following:

(a) As required by 40 CFR Part 63.10(b), the Permittee shall maintain files of all information (including all reports and notifications) required by the general provisions and 40 CFR 63, Subpart RRR.

(1) The Permittee must retain each record for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The most recent 2 years of records must be retained at the facility. The remaining 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.

(b) In addition to the general records required by 40 CFR Part 63.10(b), the Permittee of a new or existing affected source (including an emission unit in a secondary aluminum processing unit) must maintain records of:

(1) For RF#1 and RF#2, each as an affected source and emission unit with emissions controlled by a lime-injected fabric filter:

For each bag leak detection system, the number of total operating hours for the affected source or emission unit during each 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) For Dryer #1, as an affected source with emissions controlled by an afterburner:

(A) Records of 15-minute block average afterburner operating temperature, including any period when the average temperature in any 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; and

(B) Records of annual afterburner inspections.

(3) For furnace #1 and #2, each as a group 1 furnace subject to D/F and HCl emission standards with emissions controlled by a lime-injected fabric filter, records of 15-minute block average inlet temperatures for each lime-injected fabric filter, including any period when the 3-hour block average temperature exceeds the compliant operating parameter value +14 EC (+25 EF), with a brief explanation of the cause of the excursion and the corrective action taken.

(4) For RF #1 and RF #2, each with emissions controlled by a lime-injected fabric filter:

(A) Records of inspections at least once every 8-hour period verifying that lime is present in the feeder hopper or silo and flowing, including any inspection where blockage is found, with a brief explanation of the cause of the blockage and the corrective action taken, and records of inspections at least once every 4-hour period for the subsequent 3 days. If flow monitors, pressure drop sensors or load cells are used to verify that lime is present in the hopper and flowing, records of all monitor or sensor output including any event where blockage was found, with a brief explanation of the cause of the blockage and the corrective action taken;

(B) If lime feeder setting is monitored, records of daily inspections of feeder setting, including records of any deviation of the feeder setting from the setting used in the performance test, with a brief explanation of the cause of the deviation and the corrective action taken.

(5) For each furnace, records of 15-minute block average weights of solid reactive flux injection during each operating cycle or time period used in the performance test during which reactive fluxing occurs. Records are to include time, weight, type of flux and calculations of the total reactive flux injection rate for each operating cycle or time period used in the performance test using the procedure in 40 CFR Part 63.1512(o).

(6) For each continuous monitoring system, records required by 40 CFR Part 63.10(c).

(7) For each of rotary furnaces RF #1 and RF #2 and thermal chip dryer, Dryer #1 subject to an emission standard in kg/Mg (lb/ton) of feed/charge, records of feed/charge (or throughput) weights for each operating cycle or time period used in the performance test. Compliance with paragraph (b)(10) shall result in compliance with this requirement.

(8) Records of monthly inspections for proper unit labeling for each affected source and emission unit subject to labeling requirements.

(9) Records of annual inspections of emission capture/collection and closed vent systems.

(10) Records for any approved alternative monitoring or test procedure, including Conditions D.1.12(b) and D.1.13(e)(3).

(11) Current copy of all required plans, including any revisions, with records documenting conformance with the applicable plan, including:

(A) Startup, shutdown, and malfunction plan;

(B) For major sources, OM&M plan; and

(C) Site-specific secondary aluminum processing unit emission plan (if applicable).

(12) For each of rotary furnaces RF #1 and RF #2 and thermal chip dryer, Dryer #1, records of total charge weight, or if the Permittee chooses to comply on the basis of aluminum production, total aluminum produced for each 24-hour period and calculations of 3-day, 24-hour rolling average emissions.

D.1.26 Secondary Aluminum Production Reporting Requirements [40 CFR Part 63, Subpart RRR]

Pursuant to 40 CFR Parts 63.1515 and 63.1516, the Permittee shall comply with the following:

(a) The Permittee must submit initial notifications to IDEM as described below:

The Permittee must provide notification of the anticipated date for conducting performance tests and visible emission observations. The Permittee must notify IDEM of the intent to conduct a performance test at least 60 days before the performance test is scheduled; notification of opacity or visible emission observations for a performance test must be provided at least 30 days before the observations are scheduled to take place.

(b) The Permittee must submit a notification of compliance status report within 60 days after the compliance dates specified in 40 CFR Part 63.1501. The notification must be signed by the responsible official who must certify its accuracy. A complete notification of compliance status report must include the information specified in paragraphs (1) through (8). The required information may be submitted in an operating permit application, in an amendment to an operating permit application, in a separate submittal, or in any combination. The Permittee must provide duplicate notification to the U.S. EPA Region V, Regional Administrator. If the Permittee submits the information specified in this section at different times or in different submittals, later submittals may refer to earlier submittals instead of duplicating and resubmitting the information previously submitted. A complete notification of compliance status report must include:

(1) All information required in 40 CFR Part 63.9(h). The Permittee must provide a complete performance test report for each affected source and emission unit for which a performance test is required. A complete performance test report includes all data, associated measurements, and calculations (including visible emission and opacity tests).

(2) The approved site-specific test plan and performance evaluation test results for each continuous monitoring system (including a continuous emission or opacity monitoring system).

(3) Unit labeling as described in 40 CFR Part 63.1506(b), including process type or furnace classification and operating requirements.

(4) The compliant operating parameter value or range established for each affected source or emission unit, as listed at Condition D.1.10(c)(4), with supporting documentation and a description of the procedure used to establish the value, 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 capture/collection systems in 40 CFR Part 63.1506(c).

(6) If applicable, analysis and supporting documentation demonstrating conformance with EPA guidance and specifications for bag leak detection systems in 40 CFR Part 63.1510(f).

(7) The OM&M plan.

(8) Startup, shutdown, and malfunction plan, with revisions.

(c) The Permittee must 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 standard. The Permittee shall also keep records of each event as required by 40 CFR Part 63.10(b) and record and report if an action taken during a startup, shutdown, or malfunction is not consistent with the procedures in the plan as described in 40 CFR Part 63.6(e)(3). In addition to the information required in 40 CFR Part 63.6(e)(3), the plan must include:

(1) Procedures to determine and record the cause of the 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 procedures for recording the actions taken to correct the malfunction or minimize emissions.

(d) As required by 40 CFR Part 63.10(e)(3), the Permittee must submit semiannual reports within 60 days after the end of each 6-month period. Each report must contain the information specified in 40 CFR Part 63.10(c). When no deviations of parameters have occurred, the Permittee must submit a report stating that no excess emissions occurred during the reporting period.

(1) A report must be submitted if any of these conditions occur during a 6-month reporting period:

(A) The corrective action specified in the OM&M plan for a bag leak detection system alarm was not initiated within 1 hour.

(B) An excursion of a compliant process or operating parameter value or range, as listed at Condition D.1.10(c)(4), or other approved operating parameter.

(C) An action taken during a startup, shutdown, or malfunction was not consistent with the procedures in the plan as described in 40 CFR Part 63.6(e)(3).

(D) An affected source (including an emission unit in a secondary aluminum processing unit) was not operated according to the requirements of 40 CFR Part 63, Subpart RRR.

(E) A deviation from the 3-day, 24-hour rolling average emission limit for a secondary aluminum processing unit.

(2) Each semi-annual report must include a certification for the thermal chip dryer, Dryer #1, stating that “Only unpainted aluminum chips were used as feedstock in the thermal chip dryer during this reporting period.”

(3) The Permittee must 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.

(e) For the purpose of annual certifications of compliance required by 40 CFR Part 70 or 71, the Permittee must certify continuing compliance based upon, but not limited to, the following conditions:

(1) Any period of excess emissions, as defined in 40 CFR 63.1516(b), that occurred during the year were reported as required by this subpart; 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)]:**
The following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

(a)(1) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]

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

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

D.2.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate from the cutting and welding shall not exceed the pound per hour emission rate established as E in the following formula:

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

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

### Compliance Determination Requirements

There are no specific compliance determination requirements applicable to these facilities.

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

There are no specific compliance monitoring requirements applicable to these facilities.

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR QUALITY

## PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Aluminum Recovery Technologies, Inc.
Source Address: 2170 Production Road, Kendallville, IN 46755
Mailing Address: 2170 Production Road, Kendallville, IN 46755
Part 70 Permit No.: T113-12126-00071

**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)

☐ Affidavit (specify)

☐ Other (specify)

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR QUALITY

**COMPLIANCE BRANCH**
**100 North Senate Avenue**
**MC61-53 IGCN 1003**
**Indianapolis, Indiana 46204-2251**

**Phone: 317-233-0178**
**Fax: 317-233-6865**

## PART 70 OPERATING PERMIT
## EMERGENCY OCCURRENCE REPORT

Source Name: Aluminum Recovery Technologies, Inc.
Source Address: 2170 Production Road, Kendallville, IN 46755
Mailing Address: 2170 Production Road, Kendallville, IN 46755
Part 70 Permit No.: T113-12126-00071

**This form consists of 2 pages** **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12)

X The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and

X The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

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: |
| Describe the cause of the Emergency: |

If any of the following are not applicable, mark N/A **Page 2 of 2**

| |
|---|
| Date/Time Emergency started: |
| Date/Time Emergency was corrected: |
| Was the facility being properly operated at the time of the emergency? Y N |
| Type of Pollutants Emitted: TSP, PM-10, $SO_2$, VOC, $NO_X$, CO, Pb, other: |
| Estimated amount of pollutant(s) emitted during emergency: |
| 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: _____

A certification is not required for this report.

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

## PART 70 OPERATING PERMIT
## QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Aluminum Recovery Technologies, Inc.
Source Address: 2170 Production Road, Kendallville, IN 46755
Mailing Address: 2170 Production Road, Kendallville, IN 46755
Part 70 Permit No.: T113-12126-00071

**Months:** _____ **to** _____ **Year:** _____



This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. 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

| | |
|---|---|
| **Permit Requirement** (specify permit condition #) | |
| **Date of Deviation:** | **Duration of Deviation:** |
| **Number of Deviations:** | |
| **Probable Cause of Deviation:** | |
| **Response Steps Taken:** | |

| | |
|---|---|
| **Permit Requirement** (specify permit condition #) | |
| **Date of Deviation:** | **Duration of Deviation:** |
| **Number of Deviations:** | |
| **Probable Cause of Deviation:** | |
| **Response Steps Taken:** | |

| | |
|---|---|
| **Permit Requirement** (specify permit condition #) | |
| **Date of Deviation:** | **Duration of Deviation:** |
| **Number of Deviations:** | |
| **Probable Cause of Deviation:** | |
| **Response Steps Taken:** | |
| **Permit Requirement** (specify permit condition #) | |
| **Date of Deviation:** | **Duration of Deviation:** |
| **Number of Deviations:** | |
| **Probable Cause of Deviation:** | |
| **Response Steps Taken:** | |
| **Permit Requirement** (specify permit condition #) | |
| **Date of Deviation:** | **Duration of Deviation:** |
| **Number of Deviations:** | |
| **Probable Cause of Deviation:** | |
| **Response Steps Taken:** | |

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.