



*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: September 21, 2005  
RE: Fort Wayne Foundry-Columbia City Div. / 183-21208-00023  
FROM: Paul Dubenetzky  
Chief, Permits Branch  
Office of Air Quality

### Notice of Decision – Approval

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

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

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

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

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

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

Enclosures  
FNPER-AM.dot 1/10/05



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We make Indiana a cleaner, healthier place to live.*

---

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Mr. William Herrington, Plant Manager  
Fort Wayne Foundry – Columbia City Division  
2300 Cardinal Drive  
Columbia City, Indiana 46725

September 21, 2005

**Re: 183-21208-00023**

First Administrative Amendment to  
Part 70 Permit No. 183-7530-00023

Dear Mr. Herrington:

Fort Wayne Foundry – Columbia City Division was issued a Part 70 permit on October 2, 2003, for an aluminum foundry for the production of aluminum castings operation. An application was received May 16, 2005, requesting that the emission statement condition be revised to incorporate the revisions to 326 IAC 2-6 (Emission Reporting) which became effective on March 27, 2004. The emission statement will be due every three years according to the compliance schedule specified in 326 IAC 2-6-3. Pursuant to the provisions of 326 IAC 2-7-11 the permit is hereby administratively amended as follows (deletions are marked with a ~~strikeout~~ and the new information is in **bold**):

1. Condition C.18 is revised as follows:

C.18 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]

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(a) ~~The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by July 1 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:~~

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

~~(2) — Indicate estimated actual emissions of 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 annual emission statement covers the twelve (12) consecutive month time period starting January 1 and ending December 31. The annual emission statement must be submitted to:~~

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

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

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

**(a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:**

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);**
- (2) Indicate estimated actual emissions of 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 purpose of fee assessment.**

**The statement must be submitted to:**

**Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204**

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

**(b) 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.**

2. The mailing address of IDEM, Office of Air Quality (OAQ) has changed. The reference to “Post Office Box 6015, Indianapolis, Indiana 46206-6015” has been changed to “**100 North Senate, Indianapolis, Indiana 46204**”.
3. The Section’s name that collects operating fees has changed. The current name is the Billing, Licensing, and Training (BLT) Section. Condition B.23(c) the section’s name is revised:

B.24-23 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, ~~IM & Billing~~ **Billing, Licensing and Training** Section), to determine the appropriate permit fee.
4. Condition B.8 Compliance With Permit Conditions, is moved to the cover page and the remaining conditions are renumbered:

~~B.8 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]~~

- ~~(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:
  - ~~(1) Enforcement action;~~
  - ~~(2) Permit termination, revocation and reissuance, or modification; or~~
  - ~~(3) Denial of a permit renewal application.~~~~
- ~~(b) Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act.~~
- ~~(c) 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.~~
- ~~(d) 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.~~

**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; and denial of a permit renewal application. 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 condition B, Emergency Provisions.**

All other conditions of the permit shall remain unchanged and in effect. Please find a copy of the entire Part 70 permit with the revisions.

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 Janet Mobley at 317-232-8369 or at 1-800-451-6027 extension 2-8369.

Sincerely,

Original signed by  
Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

PD/jm

cc: File – Whitley County  
Whitley County Health Department  
Air Compliance Section Inspector – Ryan Hillman  
Compliance Data Section  
Permit Review Section II- Janet Mobley



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## PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY

**Fort Wayne Foundry - Columbia City Division  
2300 Cardinal Drive  
Columbia City, Indiana 46725**

(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; and denial of a permit renewal application. 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 condition 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.

Operation Permit No.: T183-7530-00023	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: October 2, 2003  Expiration Date: October 2, 2008

First Administrative Amendment No.: 183-21208-00023	Pages affected: Entire Permit
Issued by: Original signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: September 21, 2005



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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)]

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The Permittee owns and operates a stationary aluminum foundry for the production of aluminum castings.

Responsible Official:	Mr. Dan Rollins - Plant Manager
Source Address:	2300 Cardinal Drive, Columbia City, Indiana 46725
Mailing Address:	2300 Cardinal Drive, Columbia City, Indiana 46725
General Source Phone Number:	219-483-0382
SIC Code:	3365
County Location:	Whitley
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD Major Source, Section 112 of the Clean Air Act Not 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)]

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

I. The following equipment is part of the 30/30 line and was constructed in 1986:

#### Foundry Operations

- (1) Four (4) natural gas-fired reverberatory melt furnaces identified as RF-1, RF-2, RF-3, and RF-4, each rated at 8.25 million (mm) British thermal units (Btu) per hour, and each with a maximum capacity of melting 2.0 tons of aluminum per hour, RF-1 and RF-2 exhausting through one (1) stack (S/V ID S-1) and RF-3 and RF-4 exhausting through one (1) stack (S/V ID S-2);
- (2) One (1) sand handling system, identified as SH-1, with a maximum capacity of handling 130 tons of sand per hour, utilizing a baghouse (CD-1) for particulate matter control and exhausting through one (1) stack (S/V ID CD-1);
- (3) Two (2) pouring/casting operations identified as P-1 and P-2, each with a maximum capacity of processing 4.0 tons of metal per hour, 2.36 tons of core sand per hour, and 55 tons of mold sand per hour, exhausting uncontrolled inside the plant;
- (4) Two (2) castings cooling operations identified as C-1 and C-2, each with a maximum capacity of processing 4.0 tons of metal per hour, 2.36 tons of core sand per hour, and 55 tons of mold sand per hour, utilizing a baghouse for particulate matter control (CD-1), and exhausting through one (1) stack (S/V ID CD-1);

- (5) Two (2) castings knockout/shakeout operations identified as SK-1 and SK-2, each with a maximum capacity of processing 4.0 tons of metal per hour, 2.36 tons of core sand per hour, and 55 tons of mold sand per hour, utilizing a baghouse for particulate matter control (CD-1), and exhausting through one (1) stack (S/V ID CD-1);
- (6) One (1) cleaning/finishing operation, identified as F-1, which includes the use of seven (7) belt grinders and one (1) cut off wheel with a maximum capacity of finishing eight (8) tons of unfinished metal per hour, utilizing a baghouse (CD-5) for particulate matter control and exhausting inside the plant;
- (7) One (1) shotblasting unit, identified as SB-1, with a maximum capacity of blasting four (4) tons of metal castings per hour, utilizing a baghouse (CD-2) for particulate matter control, and exhausting inside the plant;
- (8) One (1) metal reclamation screening operation, consisting of two (2) waste sand metal reclamation screens, with a maximum sand throughput of 12 tons per hour, utilizing a baghouse (CD-6) for particulate matter control, and exhausting inside the plant; and
- (9) one (1) hexachloroethane fluxing operation, with a maximum usage rate of one (1) pound of hexachloroethane flux per ton of metal melted.

Note: The hexachloroethane fluxing operation is used in both the 30/30 line and the 40/40 line.

II. The following equipment is part of the 40/40 line and was constructed in 1995:

#### Foundry Operations

- (1) One (1) natural gas-fired reverberatory melt system rated at 25 million (MM) British thermal units (Btu) per hour, identified as RF-5, with a maximum capacity of melting 5.0 tons of aluminum per hour, exhausting through one (1) stack (S-3);
- (2) One (1) sand handling system identified as SH-2, with a maximum capacity of handling 100 tons of sand per hour, utilizing a baghouse (CD-3) for particulate matter control, and exhausting through one (1) stack (S/V ID CD-3);
- (3) One (1) pouring/casting operation identified as P-3, with a maximum capacity of processing 5.0 tons per hour of metal, 2.95 tons of core sand per hour, and 71 tons of mold sand per hour, utilizing a baghouse (CD-3) for particulate matter control, and exhausting through one (1) stack (S/V ID CD-3);
- (4) One (1) castings cooling operation identified as C-3, with a maximum capacity of processing 5.0 tons per hour of metal, 2.95 tons of core sand per hour, and 71 tons of mold sand per hour, utilizing a baghouse for particulate matter control (CD-3), and exhausting through one (1) stack (S/V ID CD-3);
- (5) One (1) castings knockout/shakeout operation identified as SK-3, with a maximum capacity of processing 5.0 tons per hour of metal, 2.95 tons of core sand per hour, and 71 tons of mold sand per hour, utilizing a baghouse (CD-3) for particulate matter control, and exhausting through one (1) stack (S/V ID CD-3);
- (6) Cleaning/finishing operations identified as F-2, which includes the use of trim presses, cutoff saws, and hand-held deburring tools, with a maximum capacity of finishing 5.0 tons of unfinished metal per hour, utilizing a baghouse (CD-3) for particulate matter control and exhausting through one (1) stack (S/V ID CD-3);

- (7) One (1) shotblasting unit, identified as SB-2, with a maximum capacity of blasting 2.5 tons of metal per hour, utilizing a baghouse (CD-4) for particulate matter control, and exhausting inside the plant; and
- (8) One (1) aluminum chip charger, with a maximum capacity to charge 2,700 pounds of aluminum chips per hour to RF-5, constructed in 1999, consisting of a pneumatic conveyor handling system, a natural gas-fired heated cyclone for preheating the aluminum chips, with a maximum heat input rate of 1.3 million (MM) British thermal units (Btu) per hour, a charge cyclone, and a charge well to introduce the chips into the furnace RF-5, utilizing a baghouse (BH7) to control particulate emissions, and exhausting through four (4) stacks (S/V ID M1, M2, M3, and BH7).

### III. Core Making Facilities

- (1) Eight (8) Isocure cold box core making facilities in 30/30 line, identified as ISO #1 - ISO #8, with ISO #1 - #4 constructed in 1985, ISO #5 - #6 constructed in 1988, and ISO #7 - #8 constructed in 1989, with a total maximum capacity of processing 4.72 tons of cores per hour, 20 pounds of resin per ton of cores, and 2.0 pounds of TEA catalyst per ton of cores, utilizing an amine gas scrubber (SC-1) for TEA emissions control, and exhausting through one (1) stack (S/V ID SC-1); and
- (2) Five (5) Isocure cold box core making facilities in 40/40 line, constructed in 1995, identified as ISO # 9 - ISO #13, with a total maximum capacity of processing 2.95 tons of cores per hour, 20 pounds of resin per ton of cores, and 2.0 pounds of TEA catalyst per ton of cores, utilizing an amine gas scrubber (SC-1) for TEA emissions control, and exhausting through one (1) stack (S/V ID SC-1).

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

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

- (1) Six (6) thirty-five (35) gallon cold-cleaner parts degreasers; [326 IAC 8-3-2 and 326 IAC 8-3-5]
- (2) 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]
- (3) Enclosed sand conveyors; [326 IAC 6-3-2]
- (4) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors, and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations; [326 IAC 6-3-2]
- (5) one (1) Hotbox coremaking machine emitting less than 25 pounds of PM per day and 15 pounds of VOC per day, and exhausting through one (1) stack (S/V ID SM-1); [326 IAC 6-3-2] and
- (6) one (1) waste sand metal reclamation screen, processing a maximum of twelve (12) tons of sand per hour, and emitting less than twenty-five (25) pounds of PM per day. [326 IAC 6-3-2]

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

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

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

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

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Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

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

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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]**

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

**B.4 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]**

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The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least 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)]**

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

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

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

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

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- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by 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 April 15 of each year to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

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]**

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- (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  
Indianapolis, Indiana 46204

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]**

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- (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, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,  
Compliance Section), or  
Telephone Number: 317-233-5674 (ask for Compliance Section)  
Facsimile Number: 317-233-5967

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted 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  
Indianapolis, Indiana 46204

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:  
  
None of the emission units listed in Section A, Emission Units and Pollution Control Equipment Summary are subject to the requirements of 40 CFR Part 63, Subpart RRR, National Emission Standards because this source is not a secondary aluminum production facility as defined in 40 CFR 63.1503. Pursuant to 40 CFR 63.1503, aluminum die casting facilities, aluminum foundries, and aluminum extrusion facilities are not considered to be secondary aluminum production facilities if the only materials they melt are clean charge, customer returns, or internal scrap, and if they do not operate sweat furnaces, thermal chip dryers, or scrap dryers/delacquering kilns/decoating kilns. This source only melts clean charge, customer returns, or internal scrap and does not operate sweat furnaces, thermal chip dryers, or scrap dryers/delacquering kilns/decoating kilns. The aluminum chip charger is not used to dry aluminum chips and is only used for chip handling and charging to the reverberatory furnace identified as RF-5. It is not a thermal chip dryer as defined in 40 CFR 63.1503. Therefore, this source is not subject to this rule.

Note: This non-applicability determination is based on the final rule as published in the December 30, 2002 Federal Register.

- (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) deletedby 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  
Indianapolis, Indiana 46204

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**

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[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]**

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- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. 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  
Indianapolis, Indiana 46204

- (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  
Indianapolis, Indiana 46204
- 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)]**

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- (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]**

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- (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  
Indianapolis, Indiana 46204  
  
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]**

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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 13-30-3-2]**

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

- (a) Enter upon the Permittee's premises where a 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  
Indianapolis, Indiana 46204  
  
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.

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

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

#### 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]**

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The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4(d), (e), and (f), and 326 IAC 1-7-5(d) are not federally enforceable.

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
Asbestos Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

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]**

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

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

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

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 source submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

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

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

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

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

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

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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  
Indianapolis, Indiana 46204

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]**

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

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

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- (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 Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.
- (d) 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 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on December 12, 1996.
- (b) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.15 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 source must comply with the applicable requirements of 40 CFR 68.

C.16 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. 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 and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.
- (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
  - (2) If none of the reasonable response steps listed in the Compliance Response 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, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the 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.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5]  
[326 IAC 2-7-6]**

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred 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.18 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]**

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- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6 -4(a);

- (2) Indicate estimated actual emissions of 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 purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

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

- (b) 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.19 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.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

- (a) The source 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  
Indianapolis, Indiana 46204
- (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.21 Compliance with 40 CFR 82 and 326 IAC 22-1**

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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)]:

- I. The following equipment is part of the 30/30 line and was constructed in 1986:
- Foundry Operations
- (1) Four (4) natural gas-fired reverberatory melt furnaces identified as RF-1, RF-2, RF-3, and RF-4, each rated at 8.25 million (mm) British thermal units (Btu) per hour, and each with a maximum capacity of melting 2.0 tons of aluminum per hour, RF-1 and RF-2 exhausting through one (1) stack (S/V ID S-1) and RF-3 and RF-4 exhausting through one (1) stack (S/V ID S-2);
  - (2) One (1) sand handling system, identified as SH-1, with a maximum capacity of handling 130 tons of sand per hour, utilizing a baghouse (CD-1) for particulate matter control and exhausting through one (1) stack (S/V ID CD-1);
  - (3) Two (2) pouring/casting operations identified as P-1 and P-2, each with a maximum capacity of processing 4.0 tons of metal per hour, 2.36 tons of core sand per hour, and 55 tons of mold sand per hour, exhausting uncontrolled inside the plant;
  - (4) Two (2) castings cooling operations identified as C-1 and C-2, each with a maximum capacity of processing 4.0 tons of metal per hour, 2.36 tons of core sand per hour, and 55 tons of mold sand per hour, utilizing a baghouse for particulate matter control (CD-1), and exhausting through one (1) stack (S/V ID CD-1);
  - (5) Two (2) castings knockout/shakeout operations identified as SK-1 and SK-2, each with a maximum capacity of processing 4.0 tons of metal per hour, 2.36 tons of core sand per hour, and 55 tons of mold sand per hour, utilizing a baghouse for particulate matter control (CD-1), and exhausting through one (1) stack (S/V ID CD-1);
  - (6) One (1) cleaning/finishing operation, identified as F-1, which includes the use of seven (7) belt grinders and one (1) cut off wheel with a maximum capacity of finishing eight (8) tons of unfinished metal per hour, utilizing a baghouse (CD-5) for particulate matter control and exhausting inside the plant;
  - (7) One (1) shotblasting unit, identified as SB-1, with a maximum capacity of blasting four (4) tons of metal castings per hour, utilizing a baghouse (CD-2) for particulate matter control, and exhausting inside the plant;
  - (8) One (1) metal reclamation screening operation, consisting of two (2) waste sand metal reclamation screens, with a maximum sand throughput of 12 tons per hour, utilizing a baghouse (CD-6) for particulate matter control, and exhausting inside the plant; and
  - (9) one (1) hexachloroethane fluxing operation, with a maximum usage rate of one (1) pound of hexachloroethane flux per ton of metal melted.

(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 Particulate [326 IAC 6-3]

- (a) The particulate emissions from the emission units listed in the table below shall be limited by the following:

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

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

or

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

$$E = 55.0 P^{0.11} - 40$$

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

The allowable emissions for each facility operating at its maximum process weight rate are as follows:

Emission Unit ID	Process Weight (tons/hr)	Allowable Particulate Emissions (lb/hr)
Reverberatory Melt Furnace #1 (RF-1)	2.00	6.52
Reverberatory Melt Furnace #2 (RF-2)	2.00	6.52
Reverberatory Melt Furnace #3 (RF-3)	2.00	6.52
Reverberatory Melt Furnace #4 (RF-4)	2.00	6.52
Pouring/Casting (P-1)	61.36*	46.50
Pouring/Casting (P-2)	61.36*	46.50
Castings Cooling (C-1,C-2)	122.70*	53.36
Sand Handling (SH-1)	130.00	53.95
Knockout/Shakeout (SK-1, SK-2)	122.70*	53.36
Cleaning/Finishing (F-1)	8.00	16.51
Shotblasting (SB-1)	4.00	10.38
Metal Reclamation Screening	12.00	21.67

\* Includes metal, mold sand, and core sand throughput.

- (b) For purposes of demonstrating compliance with the particulate emission limits for the two (2) reverberatory furnaces #1 and #2 (RF-1 and RF-2) both exhausting through stack S-1, the allowable particulate emission rate from stack S-1 shall be limited to 13.04 pounds per hour.
- (c) For purposes of demonstrating compliance with the particulate emission limits for the two (2) reverberatory furnaces #3 and #4 (RF-3 and RF-4) both exhausting through stack S-2, the allowable particulate emission rate from stack S-2 shall be limited to 13.04 pounds per hour.
- (d) For purposes of demonstrating compliance with the particulate emission limits for the two (2) castings cooling operations (C-1, C-2), sand handling (SH-1), and the two (2) knockout/shakeout operations (SK-1, SK-2) all exhausting through baghouse CD-1, the allowable particulate emission rate from baghouse CD-1 shall be limited to 160.67 pounds per hour.

**D.1.2 Particulate Matter (PM) [326 IAC 2-2]**

In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the following conditions shall apply:

- (a) The total PM emissions from the two (2) reverberatory furnaces (RF-1 and RF-2), both of which exhaust through stack ID S-1, shall not exceed 4.0 pounds per hour.
- (b) The total PM-10 emissions from the two (2) reverberatory furnaces (RF-1 and RF-2), both

of which exhaust through stack ID S-1, shall not exceed 4.0 pounds per hour.

- (c) The total PM emissions from the two (2) reverberatory furnaces (RF-3 and RF-4), both of which exhaust through stack ID S-2, shall not exceed 4.0 pounds per hour.
- (d) The total PM-10 emissions from the two (2) reverberatory furnaces (RF-3 and RF-4), both of which exhaust through stack ID S-2, shall not exceed 4.0 pounds per hour.
- (e) The PM emissions from each of the two (2) pouring/casting operations (P-1 and P-2) shall not exceed 2.0 pounds per hour.
- (f) The PM-10 emissions from each of the two (2) pouring/casting operations (P-1 and P-2) shall not exceed 2.0 pounds per hour.
- (g) The PM emissions from the baghouse (CD-1), controlling PM emissions from the two (2) castings cooling operations (C-1 and C-2), the one (1) sand handling system (SH-1), and the two (2) castings knockout/shakeout operations (SK-1 and SK-2), shall not exceed 12.86 pounds per hour.
- (h) The PM-10 emissions from the baghouse (CD-1), controlling PM-10 emissions from the two (2) castings cooling operations (C-1 and C-2), the one (1) sand handling system (SH-1), and the two (2) castings knockout/shakeout operations (SK-1 and SK-2), shall not exceed 12.86 pounds per hour.
- (i) The PM emissions from the one (1) cleaning/finishing operation (F-1) shall not exceed 2.06 pounds per hour.
- (j) The PM10 emissions from the one (1) cleaning/finishing operation (F-1) shall not exceed 2.06 pounds per hour.
- (k) The PM emissions from the one (1) shotblasting unit (SB-1) shall not exceed 2.06 pounds per hour.
- (l) The PM10 emissions from the one (1) shotblasting unit (SB-1) shall not exceed 2.06 pounds per hour.
- (m) The PM emissions from the metal reclamation screening shall not exceed 1.54 pounds per hour.
- (n) The PM10 emissions from the metal reclamation screening shall not exceed 1.54 pounds per hour.

These limits are necessary to limit the source-wide potential to emit of PM and PM10 to less than 250 tons per year to render the requirements of 326 IAC 2-2 not applicable.

#### D.1.3 Volatile Organic Compounds (VOCs) [326 IAC 8-1-6]

- (a) The VOC emissions from the two (2) pouring/casting operations (P-1 and P-2), the two (2) castings knockout/shakeout operations (SK-1 and SK-2), and the two (2) castings cooling operations (C-1 and C-2) shall not exceed 1.34 pounds of VOC per ton of metal throughput.
- (b) The total throughput of metal to the two (2) pouring/casting operations (P-1 and P-2) shall not exceed 37,142 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (c) The total throughput of metal to the two (2) castings knockout/shakeout operations (SK-1 and SK-2) shall not exceed 37,142 tons per twelve (12) consecutive month period with

compliance determined at the end of each month.

- (d) The total throughput of metal to the two (2) castings cooling operations (C-1 and C-2) shall not exceed 37,142 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

The metal throughput limit and the VOC emissions limits yield total VOC emissions from the pouring/casting operations (P-1 and P-2), the castings knockout/shakeout operations (SK-1 and SK-2), and the two (2) castings cooling operations (C-1 and C-2) that are less than 25 tons per year. Therefore, the requirements of 326 IAC 8-1-6 (New Facilities, General Reduction Requirements) do not apply.

**D.1.4 Secondary Aluminum NESHAP [40 CFR 63, Subpart RRR]**

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Each of the reverberatory furnaces (RF-1, RF-2, RF-3, RF-4) shall only melt clean charge, customer returns, or internal scrap as defined under 40 CFR 63.1503. Therefore, the requirements of 40 CFR 63, Subpart RRR do not apply.

**D.1.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]**

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

**Compliance Determination Requirements**

**D.1.6 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]**

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During the period within 180 days after issuance of this permit, in order to demonstrate compliance with Conditions D.1.1 and D.1.2, the Permittee shall perform PM and PM-10 testing on the two (2) reverberatory furnaces identified as RF-1 and RF-2 which exhaust through stack S-1 or the two (2) reverberatory furnaces identified as RF-3 and RF-4 which exhaust through stack S-2, one (1) of the pouring/casting operations (P-1 or P-2), and the stack exhaust for baghouse CD-1 utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM-10 includes filterable and condensable PM-10. Testing shall be conducted in accordance with Section C- Performance Testing.

**D.1.7 Particulate Matter (PM)**

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In order to comply with conditions D.1.1 and D.1.2, the baghouses for particulate control identified as CD-1, CD-2, CD-5, and CD-6 shall be in operation and control emissions from the castings cooling (C-1,C-2), sand handling (SH-1), knockout/shakeout (SK-1, SK-2), cleaning/finishing (F-1), shotblasting operations (SB-1), and the sand system for metal screening at all times that these facilities are in operation.

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

**D.1.8 Visible Emissions Notations**

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- (a) Visible emission notations of the CD-1 baghouse stack exhaust shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month

and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

- (e) 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 violation of this permit.

#### D.1.9 Parametric Monitoring

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The Permittee shall record the total static pressure drop across each of the baghouses identified as CD-1, CD-2, CD-5, and CD-6 controlling the castings cooling (C-1,C-2), sand handling (SH-1), knockout/shakeout (SK-1,SK-2), cleaning/finishing (F-1), and shotblasting (SB-1) operations, and the metal reclamation screening at least once per shift when the systems are in operation. When for any one reading, the pressure drop across any 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 violation of 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.1.10 Baghouse Inspections

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An inspection shall be performed each calendar quarter of all bags controlling the castings cooling (C-1,C-2), sand handling (SH-1), knockout/shakeout (SK-1,SK-2), cleaning/finishing (F-1), and shotblasting (SB-1) operations and metal reclamation screening operation. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

#### D.1.11 Broken or Failed Bag Detection

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In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). 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 Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

### **D.1.12 Record Keeping Requirements**

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- (a) To document compliance with condition D.1.3(c) and (d), the Permittee shall maintain records of the monthly throughput of metal to each of the pouring/casting operations (P-1 and P-2) and to each of the castings knockout/shakeout operations (SK-1 and SK-2). Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
- (b) To document compliance with Condition D.1.8, the Permittee shall maintain records of visible emission notations of the baghouse CD-1 stack exhaust once per shift.
- (c) To document compliance with Condition D.1.9, the Permittee shall maintain per shift records of the total static pressure drop during normal operation for each baghouse.
- (d) To document compliance with Condition D.1.10, the Permittee shall maintain records of the results of the inspections required under Condition D.1.10.
- (e) To document compliance with Condition D.1.5, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

### **D.1.13 Reporting Requirements**

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A quarterly summary of the information to document compliance with Condition D.1.3(c) and (d) shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

## SECTION D.2

## FACILITY OPERATION CONDITIONS

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

II. The following equipment is part of the 40/40 line and was constructed in 1995:

#### Foundry Operations

- (1) One (1) natural gas-fired reverberatory melt system rated at 25 million (MM) British thermal units (Btu) per hour, identified as RF-5, with a maximum capacity of melting 5.0 tons of aluminum per hour, exhausting through one (1) stack (S-3);
- (2) One (1) sand handling system identified as SH-2, with a maximum capacity of handling 100 tons of sand per hour, utilizing a baghouse (CD-3) for particulate matter control, and exhausting through one (1) stack (S/V ID CD-3);
- (3) One (1) pouring/casting operation identified as P-3, with a maximum capacity of processing 5.0 tons per hour of metal, 2.95 tons of core sand per hour, and 71 tons of mold sand per hour, utilizing a baghouse (CD-3) for particulate matter control, and exhausting through one (1) stack (S/V ID CD-3);
- (4) One (1) castings cooling operation identified as C-3, with a maximum capacity of processing 5.0 tons per hour of metal, 2.95 tons of core sand per hour, and 71 tons of mold sand per hour, utilizing a baghouse for particulate matter control (CD-3), and exhausting through one (1) stack (S/V ID CD-3);
- (5) One (1) castings knockout/shakeout operation identified as SK-3, with a maximum capacity of processing 5.0 tons per hour of metal, 2.95 tons of core sand per hour, and 71 tons of mold sand per hour, utilizing a baghouse (CD-3) for particulate matter control, and exhausting through one (1) stack (S/V ID CD-3);
- (6) Cleaning/finishing operations identified as F-2, which includes the use of trim presses, cutoff saws, and hand-held deburring tools, with a maximum capacity of finishing 5.0 tons of unfinished metal per hour, utilizing a baghouse (CD-3) for particulate matter control and exhausting through one (1) stack (S/V ID CD-3);
- (7) One (1) shotblasting unit, identified as SB-2, with a maximum capacity of blasting 2.5 tons of metal per hour, utilizing a baghouse (CD-4) for particulate matter control, and exhausting inside the plant; and
- (8) One (1) aluminum chip charger, with a maximum capacity to charge 2,700 pounds of aluminum chips per hour to RF-5, constructed in 1999, consisting of a pneumatic conveyor handling system, a natural gas-fired heated cyclone for preheating the aluminum chips, with a maximum heat input rate of 1.3 million (MM) British thermal units (Btu) per hour, a charge cyclone, and a charge well to introduce the chips into the furnace RF-5, utilizing a baghouse (BH7) to control particulate emissions, and exhausting through four (4) stacks (S/V ID M1, M2, M3, and BH7).
- (9) one (1) hexachloroethane fluxing operation, with a maximum usage rate of one (1) pound of hexachloroethane flux per ton of metal melted.

(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]

- (a) The particulate emissions from the emission units listed in the table below shall be limited by the following:

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

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

or

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

$$E = 55.0 P^{0.11} - 40$$

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

The allowable emissions for each facility operating at its maximum process weight rate are as follows:

Emission Unit ID	Process Weight (tons/hr)	Allowable Particulate Emissions (lb/hr)
Reverberatory Melt Furnace #5 (RF-5)	5.00	12.05
Pouring/Casting (P-3)	79.00*	48.93
Castings Cooling (C-3)	79.00*	48.93
Sand Handling (SH-2)	100.00	51.28
Knockout/Shakeout (SK-3)	79.00*	48.93
Cleaning/Finishing (F-2)	5.00	12.05
Shotblasting (SB-2)	2.50	7.58
Aluminum Chip Charger	1.35	5.01

\* Includes metal, mold sand, and core sand throughput.

- (b) For purposes of demonstrating compliance with the particulate emission limits for the pouring/casting operation (P-3), the castings cooling operation (C-3), sand handling (SH-2), the knockout/shakeout operation (SK-3), and cleaning/finishing (F-2) all exhausting through baghouse CD-3, the allowable particulate emission rate from baghouse CD-3 shall be limited to 210.12 pounds per hour.

**D.2.2 Particulate Matter (PM) [326 IAC 2-2]**

In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the following conditions shall apply:

- (a) The PM emissions from the one (1) reverberatory melt furnace (RF-5) shall not exceed 5.0 pounds per hour.
- (b) The PM10 emissions from the one (1) reverberatory melt furnace (RF-5) shall not exceed 5.0 pounds per hour.
- (c) The PM emissions from the baghouse (CD-3), controlling PM emissions from the one (1) pouring/casting operation (P-3), the one (1) castings cooling operation (C-3), the one (1) sand handling system (SH-2), the one (1) castings knockout/shakeout operation (SK-3), and the cleaning/finishing operation (F-2) shall not exceed 15.43 pounds per hour.
- (d) The PM-10 emissions from the baghouse (CD-3), controlling PM-10 emissions from the one (1) pouring/casting operation (P-3), the one (1) castings cooling operation (C-3), the one (1) sand handling system (SH-2), the one (1) castings knockout/shakeout operation (SK-3), and the cleaning/finishing operation (F-2) shall not exceed 15.43 pounds per hour.
- (e) The PM emissions from the shotblasting operation (SB-2) shall not exceed 1.54 pounds

per hour.

- (f) The PM-10 emissions from the shotblasting operation (SB-2) shall not exceed 1.54 pounds per hour.
- (g) The PM emissions from the aluminum chip charger shall not exceed 0.93 pounds per hour.
- (h) The PM-10 emissions from the aluminum chip charger shall not exceed 0.93 pounds per hour.

These limits are necessary to limit the source-wide potential to emit of PM and PM10 to less than 250 tons per year to render the requirements of 326 IAC 2-2 not applicable.

#### D.2.3 Volatile Organic Compounds (VOCs) [326 IAC 8-1-6]

- (a) The VOC emissions from the pouring/casting operation (P-3), the castings knockout/shakeout operation (SK-3), and the castings cooling operation (C-3) shall not exceed 1.34 pounds of VOC per ton of metal throughput.
- (b) The throughput of metal to each of the pouring/casting operation (P-3), the castings knockout/shakeout operation (SK-3), and the castings cooling operation (C-3) shall not exceed 37,142 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

The metal throughput limit and the VOC emissions limit yield total VOC emissions from the pouring/casting operation (P-3), the castings knockout/shakeout operation (SK-3), and the castings cooling operation (C-3) that are less than 25 tons per year. Therefore, the requirements of 326 IAC 8-1-6 (New Facilities, General Reduction Requirements) do not apply.

#### D.2.4 Secondary Aluminum NESHAP [40 CFR 63, Subpart RRR]

Reverberatory furnace RF-5 shall only melt clean charge, customer returns, or internal scrap as defined under 40 CFR 63.1503. Therefore, the requirements of 40 CFR 63, Subpart RRR do not apply.

#### D.2.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

### **Compliance Determination Requirements**

#### D.2.6 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

During the period within 180 days after issuance of this permit, in order to demonstrate compliance with Conditions D.2.1 and D.2.2, the Permittee shall perform PM and PM-10 testing on the one (1) reverberatory furnace (RF-5), the pouring/casting operation (P-3), the stack exhaust for the baghouse BH7 controlling the aluminum chip charger, and the stack exhaust for baghouse CD-3 utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM-10 includes filterable and condensable PM-10. Testing shall be conducted in accordance with Section C- Performance Testing.

#### D.2.7 Particulate Matter (PM)

In order to comply with conditions D.2.1 and D.2.2, the baghouses for particulate control identified as CD-3, CD-4, and BH-7 shall be in operation and control emissions from the pouring/casting (P-3), castings cooling (C-3), sand handling (SH-2), knockout/shakeout (SK-3), cleaning/finishing (F-2), and shotblasting (SB-2) operations, and the aluminum chip charger at all times that these facilities are in operation.

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

### **D.2.8 Visible Emissions Notations**

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- (a) Visible emission notations of the CD-3 and BH7 baghouse stack exhausts shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) 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 violation of this permit.

### **D.2.9 Parametric Monitoring**

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The Permittee shall record the total static pressure drop across each of the baghouses identified as CD-3, controlling the pouring/casting (P-3), castings cooling (C-3), sand handling (SH-2), knockout/shakeout (SK-3), and cleaning/finishing (F-2) operations, CD-4 controlling emissions from and shotblasting (SB-2) operation, and BH7 controlling the one (1) aluminum chip charger, at least once per shift when the systems are in operation. When for any one reading, the pressure drop across any 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 violation of 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.2.10 Baghouse Inspections**

---

An inspection shall be performed each calendar quarter of all bags controlling the pouring/casting (P-3), castings cooling (C-3), sand handling (SH-2), knockout/shakeout (SK-3), cleaning/finishing (F-2), and shotblasting (SB-2) operations and the aluminum chip charger. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

#### D.2.11 Broken or Failed Bag Detection

---

In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). 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 Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

#### D.2.12 Record Keeping Requirements

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- (a) To document compliance with condition D.2.3(c), the Permittee shall maintain records of the monthly throughput of metal to each of the pouring/casting operation (P-3) and the castings knockout/shakeout operation (SK-3). Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
- (b) To document compliance with Condition D.2.8, the Permittee shall maintain records of visible emission notations of the baghouses CD-3 and BH-7 stack exhausts once per shift.
- (c) To document compliance with Condition D.2.9, the Permittee shall maintain per shift records of the total static pressure drop during normal operation for each baghouse.
- (d) To document compliance with Condition D.2.10, the Permittee shall maintain records of the results of the inspections required under Condition D.2.10.
- (e) To document compliance with Condition D.2.5, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### D.2.13 Reporting Requirements

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A quarterly summary of the information to document compliance with Condition D.2.3(c) shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

### SECTION D.3

### FACILITY OPERATION CONDITIONS

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

##### III. Core Making Facilities

- (1) Eight (8) Isocure cold box core making facilities in 30/30 line, identified as ISO #1 - ISO #8, with ISO #1 - #4 constructed in 1985, ISO #5 - #6 constructed in 1988, and ISO #7 - #8 constructed in 1989, with a total maximum capacity of processing 4.72 tons of cores per hour, 20 pounds of resin per ton of cores, and 2.0 pounds of TEA catalyst per ton of cores, utilizing an amine gas scrubber (SC-1) for TEA emissions control, and exhausting through one (1) stack (S/V ID SC-1); and
- (2) Five (5) Isocure cold box core making facilities in 40/40 line, constructed in 1995, identified as ISO #9 - ISO #13, with a total maximum capacity of processing 2.95 tons of cores per hour, 20 pounds of resin per ton of cores, and 2.0 pounds of TEA catalyst per ton of cores, utilizing an amine gas scrubber (SC-1) for TEA emissions control, and exhausting through one (1) stack (S/V ID SC-1).

(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.3.1 VOC Emission Limits [326 IAC 8-1-6]

In order to render the requirements of 326 IAC 8-1-6 (BACT) not applicable, the following conditions shall apply:

- (a) The resin usage for core machines #1 - #4 shall not exceed 332,000 pounds of resin per 12 consecutive month period with compliance determined at the end of each month. Amine gas catalyst usage for core machines #1 - #4 shall not exceed 33,200 pounds of amine gas catalyst per 12 consecutive month period with compliance determined at the end of each month.
- (b) The resin usage for core machines #5 - #6 shall not exceed 332,000 pounds of resin per 12 consecutive month period with compliance determined at the end of each month. Amine gas catalyst usage for core machines #5 - #6 shall not exceed 33,200 pounds of amine gas catalyst per 12 consecutive month period with compliance determined at the end of each month.
- (c) The resin usage for core machines #7 - #8 shall not exceed 332,000 pounds of resin per 12 consecutive month period with compliance determined at the end of each month. Amine gas catalyst usage for core machines #7 - #8 shall not exceed 33,200 pounds of amine gas catalyst per 12 consecutive month period with compliance determined at the end of each month.
- (d) The resin usage for core machines #9 - #13 shall not exceed 332,000 pounds of resin per 12 consecutive month period with compliance determined at the end of each month. Amine gas catalyst usage for core machines #9 - #13 shall not exceed 33,200 pounds of amine gas catalyst per 12 consecutive month period with compliance determined at the end of each month.
- (e) The VOC emissions (not including amine gas (TEA)) from core machines #1 - #4 shall not exceed 0.05 pounds per pound of resin.
- (f) The VOC emissions (not including amine gas (TEA)) from core machines #5 - #6 shall not exceed 0.05 pounds per pound of resin.
- (g) The VOC emissions (not including amine gas (TEA)) from core machines #7 - #8 shall not exceed 0.05 pounds per pound of resin.

- (h) The VOC emissions (not including amine gas (TEA)) from core machines #9 - #13 shall not exceed 0.05 pounds per pound of resin.

Therefore, the requirements of 326 IAC 8-1-6 (BACT) shall not apply.

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

#### **D.3.2 Record Keeping Requirements**

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- (a) To document compliance with Conditions D.3.1 (a) through (d), the Permittee shall maintain records of the total amine gas catalyst and resin usages for core machines #1 - #4, core machines #5 - #6, core machines #7 - #8, and core machines #9 - #13. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
- (b) To document compliance with Conditions D.3.1 (e) through (h), the Permittee shall maintain records of the type of binders used for core machines #1 - #4, core machines #5 - #6, core machines #7 - #8, and core machines #9 - #13, each month in order to demonstrate that the type of binder used has not changed.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### **D.3.3 Reporting Requirements**

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A quarterly summary of the information to document compliance with Conditions D.3.1 (a) through (d) shall be submitted to the address listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit, or its equivalent, within thirty (30) days after the end of the quarter being reported. The reports submitted by the Permittee do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

## SECTION D.4

## FACILITY OPERATION CONDITIONS

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

#### Insignificant Activities:

- (1) Six (6) thirty-five (35) gallon cold-cleaner parts degreasers; [326 IAC 8-3-2 and 326 IAC 8-3-5] and
- (2) 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.4.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2, the six (6) thirty-five (35) gallon cold-cleaner parts degreasers shall comply with the following:

- (a) Equip each cleaner with a cover;
- (b) Equip each cleaner with a facility for draining cleaned parts;
- (c) Close each degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

#### D.4.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

Pursuant to 326 IAC 8-3-5, the six (6) thirty-five gallon cold cleaner parts degreasers shall comply with the following requirements:

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the Permittee shall ensure that the following control equipment requirements are met:
  - (1) Equip each degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
    - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)));
    - (B) The solvent is agitated; or
    - (C) The solvent is heated.

- (2) Equip each degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38<sup>o</sup>C) (one hundred degrees Fahrenheit (100<sup>o</sup>F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
  - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
  - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
  - (5) Equip each degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38<sup>o</sup>C) (one hundred degrees Fahrenheit (100<sup>o</sup>F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9<sup>o</sup>C) (one hundred twenty degrees Fahrenheit (120<sup>o</sup>F)):
    - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
    - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
    - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the Permittee shall ensure that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.
  - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
  - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

### PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Fort Wayne Foundry - Columbia City Division  
Source Address: 2300 Cardinal Drive, Columbia City, IN 46725  
Mailing Address: 2300 Cardinal Drive, Columbia City, IN 46725  
Part 70 Permit No.: T183-7530-00023

**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  
Indianapolis, Indiana 46204  
Phone: 317-233-5674  
Fax: 317-233-5967**

**PART 70 OPERATING PERMIT  
EMERGENCY OCCURRENCE REPORT**

Source Name: Fort Wayne Foundry - Columbia City Division  
Source Address: 2300 Cardinal Drive, Columbia City, IN 46725  
Mailing Address: 2300 Cardinal Drive, Columbia City, IN 46725  
Part 70 Permit No.: T183-7530-00023

**This form consists of 2 pages**

**Page 1 of 2**

<p><b>9</b> This is an emergency as defined in 326 IAC 2-7-1(12)</p> <ul style="list-style-type: none"><li>C The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and</li><li>C The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16.</li></ul>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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 Describe:
Type of Pollutants Emitted: TSP, PM-10, SO <sub>2</sub> , VOC, NO <sub>x</sub> , 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 Quarterly Report

Source Name: Fort Wayne Foundry - Columbia City Division  
 Source Address: 2300 Cardinal Drive, Columbia City, IN 46725  
 Mailing Address: 2300 Cardinal Drive, Columbia City, IN 46725  
 Part 70 Permit No.: T183-7530-00023  
 Facility: P-1, P-2, SK-1, SK-2, C-1, C-2  
 Parameter: metal throughput  
 Limit: The total throughput of metal to the two (2) pouring/casting operations (P-1 and P-2) shall not exceed 37,142 tons per twelve (12) consecutive month period. The total throughput of metal to the two (2) castings knockout/shakeout operations (SK-1 and SK-2) shall not exceed 37,142 tons per twelve (12) consecutive month period. The total throughput of metal to the two (2) castings cooling operations (C-1 and C-2) shall not exceed 37,142 tons per twelve (12) consecutive month period.

YEAR:

Month	Column 1			Column 2			Column 1 + Column 2		
	Metal Throughput This Month			Metal Throughput Previous 11 Months			Metal Throughput 12 Month Total		
	P-1, P-2	SK-1, SK-2	C-1, C-2	P-1, P-2	SK-1, SK-2	C-1, C-2	P-1, P-2	SK-1, SK-2	C-1, C-2
Month 1									
Month 2									
Month 3									

- 9 No deviation occurred in this quarter.
- 9 Deviation/s occurred in this quarter.  
 Deviation has been reported on:

Submitted by:
Title/Position:
Signature:
Date:
Phone:

Attach a signed certification to complete this report.

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

### Part 70 Quarterly Report

Source Name: Fort Wayne Foundry - Columbia City Division  
 Source Address: 2300 Cardinal Drive, Columbia City, IN 46725  
 Mailing Address: 2300 Cardinal Drive, Columbia City, IN 46725  
 Part 70 Permit No.: T183-7530-00023  
 Facility: P-3, SK-3, and C-3  
 Parameter: metal throughput  
 Limit: The throughput of metal to each of the pouring/casting operation (P-3), the castings knockout/shakeout operation (SK-3), and the castings cooling operation (C-3) shall not exceed 37,142 tons per twelve (12) consecutive month period

YEAR:

Month	Column 1			Column 2			Column 1 + Column 2		
	Metal Throughput This Month			Metal Throughput Previous 11 Months			Metal Throughput 12 Month Total		
	P-3	SK-3	C-3	P-3	SK-3	C-3	P-3	SK-3	C-3
Month 1									
Month 2									
Month 3									

- 9 No deviation occurred in this quarter.
- 9 Deviation/s occurred in this quarter.  
 Deviation has been reported on:

Submitted by:
Title/Position:
Signature:
Date:
Phone:

Attach a signed certification to complete this report.

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION Part 70 Quarterly Report

Source Name: Fort Wayne Foundry - Columbia City Division  
 Source Address: 2300 Cardinal Drive, Columbia City, IN 46725  
 Mailing Address: 2300 Cardinal Drive, Columbia City, IN 46725  
 Part 70 Permit No.: T183-7530-00023  
 Facility: Core machines #1 - #4, core machines #5 - #6, core machines #7 - #8, and core machines #9 -#13

Parameter: Resin and amine gas catalyst usage to limit VOC emissions to less than 25 tons/year.

- Limits: (a) The resin usage for core machines #1 - #4 shall not exceed 332,000 pounds of resin per 12 consecutive month period with compliance determined at the end of each month. Amine gas catalyst usage for core machines #1 - #4 shall not exceed 33,200 pounds of amine gas catalyst per 12 consecutive month period with compliance determined at the end of each month.
- (b) The resin usage for core machines #5 - #6 shall not exceed 332,000 pounds of resin per 12 consecutive month period with compliance determined at the end of each month. Amine gas catalyst usage for core machines #5 - #6 shall not exceed 33,200 pounds of amine gas catalyst per 12 consecutive month period with compliance determined at the end of each month.
- (c) The resin usage for core machines #7 - #8 shall not exceed 332,000 pounds of resin per 12 consecutive month period with compliance determined at the end of each month. Amine gas catalyst usage for core machines #7 - #8 shall not exceed 33,200 pounds of amine gas catalyst per 12 consecutive month period with compliance determined at the end of each month.
- (d) The resin usage for core machines #9 - #13 shall not exceed 332,000 pounds of resin per 12 consecutive month period with compliance determined at the end of each month. Amine gas catalyst usage for core machines #9 - #13 shall not exceed 33,200 pounds of amine gas catalyst per 12 consecutive month period.

YEAR:

Month	Core Machine ID	Column 1		Column 2		Column 1 + Column 2	
		Resin Usage This Month (lbs)	TEA Catalyst Usage This Month (lbs)	Resin Usage for Previous 11 Months (lbs)	TEA Catalyst Usage for Previous 11 Months (lbs)	12 Month Total Resin Usage (lbs)	12 Month Total TEA Catalyst Usage (lbs)
	#1 - #4						
	#5 - #6						
	#7 - #8						
	#9 - #13						
	#1 - #4						
	#5 - #6						
	#7 - #8						
	#9 - #13						
	#1 - #4						
	#5 - #6						
	#7 - #8						

#9 - #13						
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- 9 No deviation occurred in this quarter.
- 9 Deviation/s occurred in this quarter.  
Deviation has been reported on: \_\_\_\_\_

Submitted by:
Title/Position:
Signature:
Date:
Phone:

Attach a signed certification to complete 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: Fort Wayne Foundry - Columbia City Division  
Source Address: 2300 Cardinal Drive, Columbia City, IN 46725  
Mailing Address: 2300 Cardinal Drive, Columbia City, IN 46725  
Part 70 Permit No.: T183-7530-00023

Months: \_\_\_\_\_ to \_\_\_\_\_ Year: \_\_\_\_\_

Page 1 of 2

<p>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. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do 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".</p>	
<p><input checked="" type="radio"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.</p>	
<p><input checked="" type="radio"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD</p>	
<p><b>Permit Requirement</b> (specify permit condition #)</p>	
<p><b>Date of Deviation:</b></p>	<p><b>Duration of Deviation:</b></p>
<p><b>Number of Deviations:</b></p>	
<p><b>Probable Cause of Deviation:</b></p>	
<p><b>Response Steps Taken:</b></p>	
<p><b>Permit Requirement</b> (specify permit condition #)</p>	
<p><b>Date of Deviation:</b></p>	<p><b>Duration of Deviation:</b></p>
<p><b>Number of Deviations:</b></p>	
<p><b>Probable Cause of Deviation:</b></p>	
<p><b>Response Steps Taken:</b></p>	

<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

Form Completed by:
Title/Position:
Date:
Phone:

Attach a signed certification to complete this report.