



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
MC 61-53
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant
DATE: February 13, 2008
RE: Indiana Ductile, LLC / 057-24460-00002
FROM: Matthew Stuckey, Deputy Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

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 IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of 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.dot12/03/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204
(317) 232-8603
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Mr. Jack Kruse
Indiana Ductile, LLC
1600 S. 8th Street,
Noblesville, IN 46060

February 13, 2008

Re: 057-24460-00002
Significant Permit Modification to:
Part 70 Permit No.: T057-13975-00002

Dear Mr. Kruse:

Indiana Ductile, LLC was issued a Part 70 permit renewal on August 28, 2003, for the operation of a stationary ductile iron foundry. An application to modify the source was received by the Office of Air Quality (OAQ) on March 16, 2007. Pursuant to the provisions of 326 IAC 2-7-12, a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

The modification includes:

- (a) Revising descriptive information throughout the permit.
- (b) Removing two (2) shell core machines, one (1) Disa pouring/casting machine, one (1) Disa cooling line and one (1) stand grinder.
- (c) Removing the VOC limits in Conditions D.1.1(d) and D.2.1(c).
- (d) Deleting the testing requirements in Condition D.1.4 for the scrap and charge handling operation (EU-2), the electric induction furnace (EU-3A), the magnesium treatment/inoculation operation (EU-6) and the core manufacturing operations.
- (e) Revising the production limit in Conditions D.1.1, D.2.1 and D.3.1 from 27,900 to 22,338 tons per twelve (12) consecutive month period.
- (f) Revising Condition D.1.1(c) to change the PM and PM10 combined short term limit of 2.05 and 1.72 pound per ton of metal, respectively, for the scrap and charge handling operation (EU-2), the electric induction furnace (EU-3A), the magnesium treatment/inoculation operation (EU-6) and the core manufacturing operations to individual limits for each emission unit.
- (g) Changing the pressure drop range for wet collector (WC-W) from "3.0 to 5.0 inches of water" to "2.0 to 6.0 inches of water" and the pressure drop range for baghouses (BH-1 and BH-2) from "2.0 to 4.0 inches of water" to "2.0 to 8.0 inches of water."
- (h) Deleting Section D.4 (Specifically Regulated Insignificant Activities) from the permit.

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

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.

If you have any questions on this matter, please contact Josiah Balogun at the Indiana Department of Environmental Management, Office of Air Quality, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, IN 46204-2251, or by telephone at (317) 234-5257 or toll free at 1-800-451-6027 extension 4-5257.

Sincerely/Original Signed By:

Matt Stuckey, Deputy Branch Chief
Permits Branch
Office of Air Quality

Attachments:
AB/EVP/JB

cc: File – Hamilton County
U.S. EPA, Region V
Hamilton County Health Department
Air Compliance Section Inspector
Compliance Data Section
Administrative and Development



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 Indianapolis, Indiana 46204-2251
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**PART 70 OPERATING PERMIT
 OFFICE OF AIR QUALITY**

**Indiana Ductile, LLC
 1600 South 8th Street
 Noblesville, Indiana 46060**

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

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 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.: T 057-13975-00002	
Issued by: Original Signed by Janet McCabe Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: August 28, 2003 Expiration Date: August 28, 2008

First Significant Permit Modification No.: 057-24460-00002	
Issued by/Original Signed By: Matt Stuckey, Deputy Branch Chief Permits Branch Office of Air Quality	Issuance Date: February 13, 2008 Expiration Date: August 28, 2008

TABLE OF CONTENTS

A SOURCE SUMMARY

- A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]
- A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]
[326 IAC 2-7-5(15)]
- A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]
[326 IAC 2-7-5(15)]
- A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

B GENERAL CONDITIONS

- B.1 Definitions [326 IAC 2-7-1]
- B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5] [326 IAC 2-7-4(a)(1)(D)]
[IC 13-15-3-6(a)]
- B.3 Term of Conditions [326 IAC 2-1.1-9.5]
- B.4 Enforceability [326 IAC 2-7-7]
- B.5 Severability [326 IAC 2-7-5(5)]
- B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]
- B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]
- B.8 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]
- B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]
- 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]
- B.11 Emergency Provisions [326 IAC 2-7-16]
- B.12 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]
- B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5] [326 IAC 2-7-10.5]
- B.14 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]
- B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]
- B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]
- B.17 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]
- B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]
- B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]
[326 IAC 2-7-12 (b)(2)]
- B.20 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]
- B.21 Source Modification Requirement [326 IAC 2-7-10.5] [326 IAC 2-2-2] [326 IAC 2-3-2]
- B.22 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]
- B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]
- B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]
- B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

C SOURCE OPERATION CONDITIONS

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 [326 IAC 6-3-2]
- C.2 Opacity [326 IAC 5-1]
- C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]
- C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]
- C.5 Fugitive Dust Emissions [326 IAC 6-4]
- C.6 Stack Height [326 IAC 1-7](Check Applicability)
- C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

- C.8 Performance Testing [326 IAC 3-6] **Compliance Requirements [326 IAC 2-1.1-11]**
- C.9 Compliance Requirements [326 IAC 2-1.1-11]

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

- C.10 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]
- C.11 Monitoring Methods [326 IAC 3][40 CFR 60][40 CFR 63]
- C.12 Instrument Specifications [326 IAC 2-1.1-11][326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

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

- C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
- C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]
- C.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]
- C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

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

- C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)] [326 IAC 2-6]
- C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]
- C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

Stratospheric Ozone Protection

- C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

D.1 FACILITY OPERATION CONDITIONS

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

- D.1.1 PSD Minor Limit [326 IAC 2-2]
- D.1.2 Particulate [326 IAC 6-3-2]
- D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

- D.1.4 Visible Emissions Notations

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

- D.1.5 Record Keeping Requirements
- D.1.6 Reporting Requirements

D.2 FACILITY OPERATION CONDITIONS

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

- D.2.1 PSD Minor Limit [326 IAC 2-2]
- D.2.2 Particulate [326 AC 6-3-2]
- D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

- D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]
- D.2.5 Particulate Control

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

- D.2.6 Visible Emissions Notations
- D.2.7 Parametric Monitoring - Wet Collectors
- D.2.8 Wet Collector Failure Detection

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

D.2.9 Record Keeping Requirements

D.3 FACILITY OPERATION CONDITIONS

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

D.3.1 PSD Minor Limit [326 IAC 2-2]

D.3.2 Particulate [326 IAC 6-3-2]

D.3.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

D.3.4 Particulate Control

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

D.3.5 Visible Emissions Notations

D.3.6 Parametric Monitoring - Baghouses

D.3.7 Broken or Failed Bag Detection

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

D.3.8 Record Keeping Requirements

Certification Form

Emergency/Deviation Occurrence Report

Quarterly Report

Quarterly Deviation and Compliance Monitoring Report

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

The Permittee owns and operates a stationary ductile iron foundry.

Source Location: 1600 South 8th Street, Noblesville, Indiana 46060
Mailing Address: 1600 South 8th Street, Noblesville, Indiana 46060
Source Phone Number: (317) 773-3313
SIC Code: 3321
County Location: Hamilton
Source Location Status: Nonattainment for PM2.5
Attainment for all other criteria pollutants
Source Status: Part 70 Permit Program
Minor Source, under PSD Rules;
Minor Source, Section 112 of the Clean Air Act
1 of 28 Source Categories

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

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

- (a) One (1) scrap and charge handling operation, identified as EU-2, constructed in 1998, with a maximum capacity of 10.2 tons per hour, with emissions uncontrolled, and exhausting to the general area ventilation;
- (b) One (1) electric induction furnace, identified as EU-3A, constructed in 1998, with a maximum capacity of 10.2 tons per hour, with emissions uncontrolled, and exhausting to the general area ventilation;
- (c) One (1) magnesium treatment/inoculation operation, identified as EU-6, constructed in 1971, with a maximum capacity of 10.2 tons per hour, with emissions uncontrolled, and exhausting to the general area ventilation;
- (d) Two (2) Disa pouring/casting machines, identified as EU-8 and EU-9, both constructed in 1997, with emissions controlled by wet collector WC-W, exhausting to stack 003, each with a maximum capacity of 3.4 tons of metal and 39 tons of sand per hour;
- (e) Two (2) Disa cooling lines, identified as EU-8A and EU-9A, constructed in 1997, each with a maximum capacity of 3.4 tons of metal and 39 tons of sand per hour, with emissions uncontrolled, and exhausting to the general ventilation area;
- (f) Three (3) shake-out units, identified as EU-11, EU-12, and EU-13, all constructed in 1997, each with a maximum capacity of 3.4 tons of metal and 39 tons of sand per hour, with emissions controlled by wet collector WC-W, and exhausting through stack 003;
- (g) Sand handling operations, with a maximum capacity of 100 tons per hour of sand and 10.2 tons per hour of castings, consisting of the following equipment:

- (1) One (1) "A" Shaker (vibrating casting conveyor), identified as EU-16, constructed in 1996, with emissions uncontrolled, and exhausting to the general ventilation area;
- (2) One (1) muller, identified as EU-17, constructed in 1971, with emissions controlled by wet collector WC-W, and exhausting to stack 003;
- (3) Overhead shaker screen, identified as EU-18, constructed in 1971, with emissions controlled by wet collector WC-W, and exhausting to stack 003;
- (4) One (1) Mag belt/bin top belt, identified as EU-27, constructed in 1971, with emissions controlled by wet collector WC-W, and exhausting to stack 003;

And the following storage bins:

- (5) Two (2) return sand storage silos (East and West), identified as EU-19 and EU-20, both constructed in 1971, with capacities of 80 and 100 tons, respectively, emissions controlled by wet collector WC-W, and exhausting to stack 003;
 - (6) One (1) outdoor bond silo, identified as EU-22, constructed in 1978, with a capacity of 80 tons of premixed casting sand binder, emissions controlled by a sock filter system;
 - (7) One (1) indoor bond storage silo, identified as EU-23, constructed in 1971, with a capacity of 1 ton of premixed casting sand binder, emissions controlled by wet collector WC-W, and exhausting to stack 003;
 - (8) One (1) West outdoor sand storage bins, identified as EU-24, constructed in 1971, with a capacity of 150 tons, and a source of fugitive emissions;
 - (9) One (1) indoor new sand storage bin, identified as EU-26, constructed in 1971, with a capacity of 1 ton, emissions controlled by wet collector WC-W, and exhausting to stack 003;
- (h) Core manufacturing operations with a maximum production rate of 0.34 tons per hour of manufactured cores, with emissions uncontrolled, consisting of the following equipment:
- (1) Two (2) shell core machines, identified as EU-28, constructed in 1964, each with maximum capacity of 0.17 tons of cores per hour, a heat input capacity of 2.09 MMBtu/hr per machine, and exhausting to the general area ventilation;
- (i) One (1) No. 3 cleaning machine, identified as EU-34, constructed in 2001, with a maximum capacity of 5.6 tons per hour of castings and 15 tons per hour of steel shot, controlled by baghouse BH-2, exhausting to stack 007;
- (j) Casting, grinding and finishing operations with a maximum throughput of 5.6 tons per hour of finished castings, consisting of the following equipment:
- (1) Nine (9) stand grinders, identified as EU-32, constructed in 1965, emissions controlled by baghouse BH-1, and exhausting to stack 006;
 - (2) Ten (10) finishing (Burr Stations) units, identified as EU-33, all constructed in 1992, emissions uncontrolled, and exhausting to the general ventilation area.

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

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

- (a) Paved roads and unpaved roads, parking lots with public access. [326 IAC 6-4]

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

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

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

SECTION B

GENERAL CONDITIONS

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

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

B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

- (a) The initial Part 70 permit, T057-13975-00002, 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 of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

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

B.4 Enforceability [326 IAC 2-7-7]

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

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

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

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

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

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

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "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 or its equivalent, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) The "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 no later than July 1 of each year to:

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

and

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

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

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

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

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

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

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

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

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;

- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,
Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

- (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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, 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 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) 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.
- (c) 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.
- (d) 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.

- (e) 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).
- (f) 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)]
- (g) 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][326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to T057-13975-00002 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating 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.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

- (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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
 - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date 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) 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.

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12][40 CFR 72]

- (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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request.
[326 IAC 2-7-11(c)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

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

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

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
 - (3) The changes do not result in emissions which exceed the limitations provided in 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

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

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). The Permittee shall make 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 emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-7-10.5] [326 IAC 2-2-2] [326 IAC 2-3-2]

- (a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.
- (b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2-2 and/or 326 IAC 2-3-2.

B.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

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

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.

C.2 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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 Stack Height [326 IAC 1-7]

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

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

All required notifications shall be submitted to:

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

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.8 Performance Testing [326 IAC 3-6]

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

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

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

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

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

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

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

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

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

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

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

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

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

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

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

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

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.
[326 IAC 1-5-3]

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

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

C.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records;
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and

- (3) corrective actions taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

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

The response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

- (a) Pursuant to 326 IAC 2-6-3(b)(2), starting in 2005 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
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

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

- (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,
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, any quarterly report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The 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, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

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

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

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: units exhausting to general ventilation and combustion sources

- (a) One (1) scrap and charge handling operation, identified as EU-2, constructed in 1998, with a maximum capacity of 10.2 tons per hour, with emissions uncontrolled, and exhausting to the general area ventilation;
- (b) One (1) electric induction furnace, identified as EU-3A, constructed in 1998, with a maximum capacity of 10.2 tons per hour, with emissions uncontrolled, and exhausting to the general area ventilation;
- (c) One (1) magnesium treatment/inoculation operation, identified as EU-6, constructed in 1971, with a maximum capacity of 10.2 tons per hour, with emissions uncontrolled, and exhausting to the general area ventilation;
- (h) Core manufacturing operations with a maximum production rate of 0.34 tons per hour of manufactured cores, with emissions uncontrolled, consisting of the following equipment:
 - (1) Two (2) shell core machines, identified as EU-28, constructed in 1964, each with maximum capacity of 0.17 tons of cores per hour, a heat input capacity of 2.09 MMBtu/hr per machine, and exhausting to the general area ventilation;

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

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

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

- (a) Pursuant to Significant Permit Modification 057-24460-00002, the iron throughput to the:
 - electric induction furnace (EU-3A), scrap and charge handling (EU-2), magnesium treatment/inoculation (EU-6), and core machines (EU-28) (Section D.1),
 - pouring/casting (Section D.2),
 - cooling (Section D.2),
 - shakeout (Section D.2),
 - sand grinding and handling (Section D.2),
 - No. 3 cleaning machine (Section D.3), and
 - casting grinding and finishing (Section D.3)shall be limited to less than 22,338 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The PM emissions from the scrap and charge handling operation (EU-2) shall not exceed 0.6 pounds per ton of iron throughput.
- (c) The PM₁₀ emissions from the scrap and charge handling operation (EU-2) shall not exceed 0.36 pounds per ton of iron throughput.
- (d) The PM emissions from the electric induction furnace (EU-3A) shall not exceed 0.9 pounds per ton of iron throughput.
- (e) The PM₁₀ emissions from the electric induction furnace (EU-3A) shall not exceed 0.86 pounds per ton of iron throughput.

- (f) The PM emissions from the magnesium ductile treatment operation (EU-6) shall not exceed 1.80 pounds per ton of iron throughput.
- (g) The PM10 emissions from the magnesium ductile treatment operation (EU-6) shall not exceed 1.80 pounds per ton of iron throughput.

Compliance with these limits and Conditions D.2.1 and D.3.1, combined with PM and PM10 emissions from other emission units, shall limit source-wide PM and PM10 to less than 100 tons per year and render 326 IAC 2-2 (PSD) not applicable.

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

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from:

- (a) The one (1) scrap and charge handling operation, identified as EU-2, shall not exceed 19.4 pounds per hour when operating at a process weight rate of 10.2 tons per hour.
- (b) The one (1) 10.2 ton per hour electric induction furnace, identified as EU-3A, shall not exceed 19.4 pounds per hour, when operating at a process weight rate of 10.2 tons per hour.
- (c) The one (1) magnesium treatment/inoculation operation, identified as EU-6, shall not exceed 19.4 pounds per hour when operating at a process weight rate of 10.2 tons per hour.
- (d) The core manufacturing operations, identified as EU-28, shall not exceed 1.99 pounds per hour, total, when operating at a process weight rate of 0.34 tons per hour of cores manufactured, total.

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

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

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

D.1.3 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 these facilities.

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

D.1.4 Visible Emissions Notations

- (a) Visible emission notations of the general ventilation exhaust from EU-2, EU-3A, EU-6 and EU-28, shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.1.5 Record Keeping Requirements

- (a) To document compliance with Condition D.1.1(a), the Permittee shall maintain monthly records of the iron throughput (tons).
- (b) To document compliance with Condition D.1.4, the Permittee shall maintain records of the daily visible emission notations as required by Condition D.1.4. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit.

D.1.6 Reporting Requirements

Quarterly summaries of the information to document compliance with Condition D.1.1(a) shall be submitted to the address(es) 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 reports submitted by the Permittee do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Submission of these reports will document compliance with Condition D.1.1(a).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: units exhausting to stack 003

- (d) Two (2) Disa pouring/casting machines, identified as EU-8 and EU-9, both constructed in 1997, with emissions controlled by wet collector WC-W, exhausting to stack 003, each with a maximum capacity of 3.4 tons of metal and 39 tons of sand per hour;
 - (e) Two (2) Disa cooling lines, identified as EU-8A and EU-9A, constructed in 1997, each with a maximum capacity of 3.4 tons of metal and 39 tons of sand per hour, with emissions uncontrolled, and exhausting to the general ventilation area;
 - (f) Three (3) shake-out units, identified as EU-11, EU-12, and EU-13, all constructed in 1997, each with a maximum capacity of 3.4 tons of metal and 39 tons of sand per hour, with emissions controlled by wet collector WC-W, and exhausting through stack 003;
 - (g) Sand handling operations, with a maximum capacity of 100 tons per hour of sand and 10.2 tons per hour of castings, consisting of the following equipment:
 - (1) One (1) "A" Shaker (vibrating casting conveyor), identified as EU-16, constructed in 1996, with emissions uncontrolled, and exhausting to the general ventilation area;
 - (2) One (1) muller, identified as EU-17, constructed in 1971, with emissions controlled by wet collector WC-W, and exhausting to stack 003;
 - (3) Overhead shaker screen, identified as EU-18, constructed in 1971, with emissions controlled by wet collector WC-W, and exhausting to stack 003;
 - (4) One (1) Mag belt/bin top belt, identified as EU-27, constructed in 1971, with emissions controlled by wet collector WC-W, and exhausting to stack 003;
- And the following storage bins:
- (5) Two (2) return sand storage silos (East and West), identified as EU-19 and EU-20, both constructed in 1971, with capacities of 80 and 100 tons, respectively, emissions controlled by wet collector WC-W, and exhausting to stack 003;
 - (6) One (1) outdoor bond silo, identified as EU-22, constructed in 1978, with a capacity of 80 tons of premixed casting sand binder, emissions controlled by a sock filter system;
 - (7) One (1) indoor bond storage silo, identified as EU-23, constructed in 1971, with a capacity of 1 ton of premixed casting sand binder, emissions controlled by wet collector WC-W, and exhausting to stack 003;
 - (8) One (1) West outdoor sand storage bins, identified as EU-24, constructed in 1971, with a capacity of 150 tons, and a source of fugitive emissions;
 - (9) One (1) indoor new sand storage bin, identified as EU-26, constructed in 1971, with a capacity of 1 ton, emissions controlled by wet collector WC-W, and exhausting to stack 003;

(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 PSD Minor Limit [326 IAC 2-2]

Pursuant to Significant Permit Modification 057-24460-00002:

- (a) The PM emissions from the wet collector WC-W controlling the Disa pouring/casting machines (EU-8 and EU-9), the shakeout units (EU-11, EU-12 and EU-13), and the sand handling operation (EU-17 through EU-20, EU-23, EU-26 and EU-27) shall not exceed 4.6 pounds per ton of iron throughput.
- (b) The PM10 emissions from the wet collector WC-W controlling the Disa pouring/casting machines (EU-8 and EU-9), the shakeout units (EU-11, EU-12 and EU-13), shall not exceed 4.6 pounds per ton of iron throughput.
- (c) The PM emissions from the Disa cooling lines (EU-8A and EU-9A) shall not exceed 0.4 pounds per ton of iron throughput.
- (d) The PM10 emissions from the Disa cooling lines (EU-8A and EU-9A) shall not exceed 0.4 pounds per ton of iron throughput.
- (e) The PM emissions from the "A" Shaker (vibrating casting conveyor) (EU-16) shall not exceed 0.35 pounds per ton of iron throughput.
- (f) The PM10 emissions from the "A" Shaker (vibrating casting conveyor) (EU-16) shall not exceed 0.35 pounds per ton of iron throughput.

Compliance with these limits and Conditions D.1.1 and D.3.1, combined with PM and PM10 emissions from other emission units, shall limit source-wide PM and PM10 to less than 100 tons per year and render 326 IAC 2-2 (PSD) not applicable.

D.2.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from:

- (a) The two (2) Disa pouring/casting machines, identified as EU-8 and EU-9, shall not exceed 43.06 pounds per hour, each, when operating at a process weight rate of 42.4 tons per hour, each.
- (b) The two (2) Disa cooling lines, identified as EU-8A and EU-9A, shall not exceed 43.06 pounds per hour, each, when operating at a process weight rate of 42.4 tons per hour, each.
- (c) The three (3) shake-out units, identified as EU-11, EU-12 and EU-13, shall not exceed 43.06 pounds per hour, each, when operating at a process weight rate of 42.4 tons per hour, each.
- (d) The sand handling operations, identified as EU-16 through EU-20, EU-22 through EU-24, EU-26 and EU-27, shall not exceed 51.28 pounds per hour, total, when operating at a total process weight rate of 100 tons per hour, total.

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

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

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

D.2.3 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 these facilities and their control devices.

Compliance Determination Requirements

D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

In order to demonstrate compliance with Conditions D.2.1 and D.2.2, the Permittee shall perform PM and PM10 testing by November 2012 on wet collector WC-W (stack 003) controlling the two (2) casting machines (EU-8 and EU-9), three (3) shakeout units (EU-11, EU-12 and EU-13), and the sand handling operations including, one (1) muller (EU-17), one (1) over head shaker screen (EU-18), return sand storage silos (East and West) (EU-19 and EU-20), indoor bond storage silo (EU-23), indoor new sand storage bin (EU-26), and mag belt/bin top belt (EU-27) utilizing methods as approved by the Commissioner. The respective facilities shall process 100% ductile iron re-melt during the tests. This test shall be repeated at least once every five (5) years from the date of valid compliance demonstration. PM10 includes filterable and condensable PM10. Testing shall be conducted in accordance with Section C- Performance Testing.

D.2.5 Particulate Control

Pursuant to SSM 057-10672-00002, issued October 20, 1999, and in order to comply with Conditions D.2.1 and D.2.2, the wet collector, identified as WC-W, for particulate control shall be in operation at all times when these units are in operation and controlling PM/PM10 from the two (2) casting machines, identified as EU-8 and EU-9, three (3) shakeout units, identified as EU-11, EU-12, and EU-13, one (1) muller, identified as EU-17, overhead shaker screen, identified as EU-18, one (1) mag belt/bin top belt, identified as EU-27, two (2) return sand storage silos (East and West), identified as EU-19 and EU-20, one (1) indoor bond storage silo, identified as EU-23, and one (1) indoor new sand storage bin, identified as EU-26 are in operation.

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

D.2.6 Visible Emissions Notations

- (a) Visible emission notations of the exhaust from wet collector WC-W, exhausting to stack 003, shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

D.2.7 Parametric Monitoring - Wet Collector

The Permittee shall record the pressure drop across the wet collector used in conjunction with the two (2) casting machines, identified as EU-8 and EU-9, three (3) shakeout units, identified as EU-11, EU-12, and EU-13, one (1) muller, identified as EU-17, overhead shaker screen, identified as EU-18, one (1) mag belt/bin top belt, identified as EU-27, two (2) return sand storage silos (East and West), identified as EU-19 and EU-20, one (1) indoor bond storage silo, identified as EU-23, and one (1) indoor new sand storage bin, identified as EU-26, at least once per day when the casting, shake out, sand grinding and handling processes are in operation. When for any one reading, the pressure drop across the wet collector is outside the normal range of 2.0 to 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 - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.2.8 Wet Collector Failure Detection

In the event that wet collector failure has been observed:

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). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.2.9 Record Keeping Requirements

- (a) To document compliance with Condition D.2.6, the Permittee shall maintain records of daily visible emission notations of the exhaust from stack 003. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (b) To document compliance with Condition D.2.7, the Permittee shall maintain daily records of the pressure drop of wet collector WC-W as required by Condition D.2.7. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: units exhausting to stacks 006 and 007 and uncontrolled finishing units

- (i) One (1) No. 3 cleaning machine, identified as EU-34, constructed in 2001, with a maximum capacity of 5.6 tons per hour of castings and 15 tons per hour of steel shot, controlled by baghouse BH-2, exhausting to stack 007;
- (j) Casting, grinding and finishing operations with a maximum throughput of 5.6 tons per hour of finished castings, consisting of the following equipment:
 - (1) Nine (9) stand grinders, identified as EU-32, constructed in 1965, emissions controlled by baghouse BH-1, and exhausting to stack 006;
 - (2) Ten (10) finishing (Burr Stations) units, identified as EU-33, all constructed in 1992, emissions uncontrolled, and exhausting to the general ventilation area.

(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 PSD Minor Limit [326 IAC 2-2]

Pursuant to SSM 057-10672-00002, issued October 20, 1999 and revised in this Significant Permit Modification 057-24460-00002:

- (a) The PM emissions from the baghouse BH-2 controlling the No. 3 cleaning machine (EU-34) shall not exceed 0.17 pounds per ton of iron throughput.
- (b) The PM10 emissions from the baghouse BH-2 controlling the No. 3 cleaning machine (EU-34) shall not exceed 0.02 pounds per ton of iron throughput.
- (c) The PM emissions from the baghouse BH-1 controlling the grinders (EU-32) shall not exceed 0.01 pounds per ton of iron throughput.
- (d) The PM10 emissions from the baghouse BH-1 controlling the grinders (EU-32) shall not exceed 0.0045 pounds per ton of iron throughput.
- (e) The PM emissions from the finishing units (Burr Stations) (EU-33) shall not exceed 0.01 pounds per ton of iron throughput.
- (f) The PM10 emissions from the finishing units (Burr Stations) (EU-33) shall not exceed 0.0045 pounds per ton of iron throughput.

Compliance with these limits and Conditions D.1.1 and D.2.1, combined with PM and PM10 emissions from other emission units, shall limit source-wide PM and PM10 to less than 100 tons per year and render 326 IAC 2-2 (PSD) not applicable.

D.3.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the

allowable particulate emission rate from:

- (a) The No. 3 Cleaning Machine, identified as EU-34, shall not exceed 31.1 pounds per hour when operating at a process weight rate of 20.6 tons per hour.
- (b) The casting grinding and finishing operations, identified as EU-32 and EU-33, shall each not exceed 13.0 pounds per hour, when operating at a process weight rate of 5.6 tons per hour, each.

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

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

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

D.3.3 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 these facilities and their control devices.

Compliance Determination Requirements

D.3.4 Particulate Control

- (a) Pursuant to SSM 057-10672-00002, issued October 20, 1999, and in order to comply with Conditions D.3.1 and D.3.2:
 - (1) The baghouse, identified as BH-1, for particulate control shall be in operation at all times when the nine (9) grinding units, identified as EU-32 are in operation.
 - (2) The baghouse, identified as BH-2, for particulate control shall be in operation at all times when the No. 3 Cleaning Machine (EU-34), is in operation.
- (b) In the event that a bag failure is observed in a multi-compartment bag, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

D.3.5 Visible Emissions Notations

- (a) Visible emission notations of the exhaust from stacks 006 and 007 shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

D.3.6 Parametric Monitoring - Baghouses

The Permittee shall record the pressure drop across the baghouses, identified as BH-1 and BH-2, used in conjunction with the nine (9) grinding units, identified as EU-32, and No. 3 Cleaning Machine (EU-34), at least once per day when the respective facilities are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 to 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.3.8 Broken or Failed Bag Detection

- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. 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).

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

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

D.3.9 Record Keeping Requirements

- (a) To document compliance with Condition D.3.5, the Permittee shall maintain records of daily visible emission notations of the exhausts from stacks 006 and 007. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (b) To document compliance with Condition D.3.6, the Permittee shall maintain daily records of the pressure drop across each baghouse as required by Condition D.3.6. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).

- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

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

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Indiana Ductile, LLC
Source Address: 1600 South 8th Street, Noblesville, Indiana 46060
Mailing Address: 1600 South 8th Street, Noblesville, Indiana 46060
Part 70 Permit No.: T 057-13975-00002

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

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify)
- Report (specify)
- Notification (specify)
- Other (specify)

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

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

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

Source Name: Indiana Ductile, LLC
Source Address: 1600 South 8th Street, Noblesville, Indiana 46060
Mailing Address: 1600 South 8th Street, Noblesville, Indiana 46060
Part 70 Permit No.: T 057-13975-00002

This form consists of 2 pages

Page 1 of 2

Check either No. 1 or No.2
<input type="checkbox"/> 1. This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none">• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and• The Permittee must submit notice in writing or by facsimile within two (2) days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16
<input type="checkbox"/> 2. This is a deviation, reportable per 326 IAC 2-7-5(3)(c) <ul style="list-style-type: none">• The Permittee must submit notice in writing within ten (10) calendar days

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

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency/Deviation:
Describe the cause of the Emergency/Deviation:

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

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

Form Completed by:

Title / Position:

Date:

Phone:

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: Indiana Ductile, LLC
Source Address: 1600 South 8th Street, Noblesville, Indiana 46060
Mailing Address: 1600 South 8th Street, Noblesville, Indiana 46060
Part 70 Permit No.: T 057-13975-00002
Facility: One (1) 10.2 ton per hour electric induction furnace (EU-3A)
Parameter: Throughput of metal melted
Limit: Less than 22,338 tons of iron per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1 (metal throughput)	Column 2 (metal throughput)	Column 1 + Column 2 (metal throughput)
	This Month (tons)	Previous 11 Months (tons)	12 Month Total (tons)
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

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: Indiana Ductile, LLC
 Source Address: 1600 South 8th Street, Noblesville, Indiana 46060
 Mailing Address: 1600 South 8th Street, Noblesville, Indiana 46060
 Part 70 Permit No.: T 057-13975-00002

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

<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. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

**Indiana Department of Environmental Management
Office of Air Quality**

**Addendum to the Technical Support Document (TSD)
for a Part 70 Significant Permit Modification**

Source Description and Location

Source Name:	Indiana Ductile, LLC
Source Location:	1600 South 8th Street, Noblesville, IN 4606
County:	Hamilton
SIC Code:	3321
Operation Permit No.:	T 057-13975-00002
Operation Permit Issuance Date:	August 28, 2003
Significant Permit Modification No.:	057-24460-00002
Permit Reviewer:	Josiah Balogun

Public Notice Information

On November 23, 2007 the Office of Air Quality (OAQ) had a notice published in Noblesville Daily Ledger in fishers, Indiana, stating that the Indiana Ductile, LLC had applied for a significant modification to their Part 70 Operating Permit issued on August 28, 2003. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Comments Received

On December 27, 2007, OAQ received comments from Kathy Moore of the Keramida Environmental, Inc, Consultant for the source. The comments are summarized in the subsequent pages, with IDEM's corresponding responses.

No changes have been made to the TSD because the OAQ prefers that the Technical Support Document reflects the permit that was on public notice. Changes that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result, ensuring that these types of concerns are documented and part of the record regarding this permit decision.

The summary of the comments and IDEM, OAQ responses, including changes to the permit (language deleted is shown in ~~strikeout~~ and language added is shown in **bold**) are as follows:

- Comment 1 The shakeout operation has been modified (See Minor source Modification/Minor Permit Modification 057-25482-00002 & 057-25487-00002), Please see descriptive changes below.
- Response 1: The changes associated with SPM 057-24460-00002 will be made through MPM 257-25482-00002 which has not been issued yet.

Comment 2 The source has requested to revise Condition B.2 as follows:

B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

- (a) ~~This~~ **The initial Part 70** permit, T057-13975-00002, 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 of this permit.

Response 2: Condition B.2 has been revised accordingly.

Comment 3 The source has requested to revise Condition B.8 as follows:

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

- (b) One (1) certification shall be included, using the attached Certification Form **or its equivalent**, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

Response 3: Condition B.8 has been revised accordingly.

Comment 4 The source has identified a typo in numbering of the Visible Emission Notation and other conditions in Section D.1. The source requested that Condition D.1.5 be renumbered D.1.4 and the subsequent conditions be renumbered.

Response 4: Condition D.1.5 has been renumbered and subsequent conditions have been renumbered.

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

D.1.4 5 Visible Emissions Notations

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

D.1.5 6 Record Keeping Requirements

D.1.6 7 Reporting Requirements

- (b) To document compliance with Condition D.1.45, the Permittee shall maintain records of the daily visible emission notations as required by Condition D.1.45. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

Comment 5 EU-22 is controlled by a Sock filter, not the wet collector. There was a typo in subsection D.2.1(f) of Condition D.2.1.

Response 5 EU-22 has been deleted from Condition D.2.1(f). The typo in Condition D.2.1(f) has been corrected.

D.2.1 PSD Minor Limit [326 IAC 2-2]

Pursuant to Significant Permit Modification 057-24460-00002:

(a) The PM emissions from the wet collector WC-W controlling the Disa pouring/casting machines (EU-8 and EU-9), the shakeout units (EU-11, EU-12 and EU-13), and the sand handling operation (EU-17 through EU-20, ~~EU-22~~, EU-23, EU-26 and EU-27) shall not exceed 4.6 pounds per ton of iron throughput.

(f) The PM10 emissions from the "A" Shaker (vibrating casting conveyor) (EU-16) shall not exceed ~~0.30~~ **0.35** pounds per ton of iron throughput.

Comment 6 The applicant requested that the testing requirement should be deleted because stack testing on the wet collector was completed on November 1 and 2, 2007.

Response 6 The testing Condition shall not be deleted but the testing date has been revised.

D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

~~Within one hundred and eighty (180) days after issuance of this Significant Permit Modification 057-24460-00002,~~ **In order to demonstrate compliance with Conditions D.2.1 and D.2.2,** the Permittee shall perform PM and PM10 testing **by November 2012** on wet collector WC-W (stack 003) controlling the two (2) casting machines (EU-8 and EU-9), three (3) shakeout units (EU-11, EU-12 and EU-13), and the sand handling operations including, one (1) muller (EU-17), one (1) over head shaker screen (EU-18), return sand storage silos (East and West) (EU-19 and EU-20), indoor bond storage silo (EU-23), indoor new sand storage bin (EU-26), and mag belt/bin top belt (EU-27) utilizing methods as approved by the Commissioner. The respective facilities shall process 100% ductile iron re-melt during the tests. This test shall be repeated at least once every five (5) years from the date of valid compliance demonstration. PM10 includes filterable and condensable PM10. Testing shall be conducted in accordance with Section C-Performance Testing

Comment 7 The applicant has requested to revise the Appendix A emissions calculations to address the following concern:

The PM/PM10 emission factors listed for Pouring/Casting (4.2 lb/ton) are actually the emission factors for Pouring/Casting & Castings Cooling combined. Therefore, the calculation for the PM/PM10 emissions from castings cooling does not need to be a separate calculation.

Response 7 IDEM agrees with the comment and the calculation for the Pouring/casting and Cooling Lines have been revised accordingly.

Emission Factors (lbs/unit)									
Description	SCC	PM	PM10	SO ₂	NO _x	CO	VOC	Metallic HAPs	Organic HAPs
Melting Dept. - Charge Handling (EU-2)	30400315	0.60	0.36	0.00	0.00	0.00	0.00	0.00	0.00
Melting Dept. - Induction Furnace (EU-3A)	30400303	0.90	0.86	0.00	0.00	0.00	0.00	0.04	0.00
Melting Dept. - Magnesium Treatment (EU-6)	30400321	1.80	1.80	0.00	0.00	0.00	0.01		
Pouring/Casting/ Cooling lines (EU-8 & EU-9 EU-8A & EU-9A)	30400320	4.20	2.80	0.02	0.01	6.00	0.14	2.64E-03	0.4322
Cooling Lines (EU-8A & EU-9A)	30400325	4.40	4.40	0.00	0.00				
Casting Shakeout (EU-11, EU-12, EU-13)	30400331	3.20	2.24	0.00	0.00		1.20		
Sand Handling (EU-16 through EU-20, EU-22 through EU-24, EU-26 & EU-27)	30400350	3.60	0.54	0.00	0.00	0.00	0.00	0.00	0.00
No. 3 Cleaning Machine (EU-34)	30400340	17.00	1.70	0.00	0.00	0.00	0.00	0.00	0.00
Grinding (EU-32)	30400360	0.01	4.50E-03	0.00	0.00	0.00	0.00	0.00	0.00
Finishing (EU-33)	30400360	0.01	4.50E-03	0.00	0.00	0.00	0.00	0.00	0.00
Shell Core Machines (EU-28)	30400370	1.10	1.10	0.32	0.50	0.00	0.00	0.00	0.00

Uncontrolled Potential Emissions (tons/yr)

Process	Maximum Throughput (ton/hr)	PM	PM10	SO _x	NO _x	CO	VOC	Metallic HAPs	Organic HAPs
Melting Dept. - Charge Handling (EU-2)	10.2	26.81	16.08	0.00	0.00	0.00	0.00	0.00	0.00
Melting Dept. - Induction Furnace (EU-3A)	10.2	40.21	38.42	0.00	0.00	0.00	0.00	1.90	0.00
Melting Dept. - Magnesium Treatment (EU-6)	10.2	80.42	80.42	0.00	0.00	0.00	0.22	0.00	0.00
Pouring/Casting/ Cooling Lines (EU-8 & EU-9 EU-8A & EU-9A)	3.4	62.55	41.70	0.30	0.15	89.35	2.08	3.93E-02	6.44
Cooling Lines (EU-8A & EU-9A)	3.4	20.85	20.85	0.00	0.00				
Casting Shakeout (EU-11, EU-12, EU-13)	3.4	47.65	33.36	0.00	0.00		17.87		
Sand Handling (EU-16 through EU-20, EU-22 through EU-24 & EU-26)	100.0	1576.80	236.52	0.00	0.00	0.00	0.00	0.00	0.00
No. 3 Cleaning Machine (EU-34)	5.6	416.98	41.70	0.00	0.00	0.00	0.00	0.00	0.00
Grinding (EU-32)	5.6	0.25	0.11	0.00	0.00	0.00	0.00	0.00	0.00
Finishing (EU-33)	5.6	0.25	0.11	0.00	0.00	0.00	0.00	0.00	0.00
Shell Core Machines (EU-28)	0.34	1.64	1.64	0.48	0.74	0.00	0.00	0.00	0.00
Propane Combustion	N/A	0.22	0.22	0.02	2.93	2.46	0.16	0.00	0.00
Total Uncontrolled		2274.39	510.90	0.77	0.89	89.35	20.18	1.94	6.44

Emissions (tons/yr)		2253.54	490.05						
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Controlled/ Limited Emissions (tons/yr)

Process	Limited Throughput (ton/hr)	PM	PM10	SOx	NOx	CO	VOC	Metallic HAPs	Organic HAPs
Melting Dept. - Charge Handling (EU-2)	2.55	6.70	4.02	0.00	0.00	0.00	0.00	0.00	0.00
Melting Dept. - Induction Furnace (EU-3A)	2.55	10.05	9.61	0.00	0.00	0.00	0.00	0.47	0.00
Melting Dept. - Magnesium Treatment (EU-6)	2.55	20.10	20.10	0.00	0.00	0.00	0.06	0.00	0.00
Sand Handling "A" Shaker (EU-16)	2.55	3.91	3.35	0.00	0.00	0.00	0.00	0.00	0.00
Cooling Lines (EU-8A & EU-9A)	2.55	4.47	4.47	0.00	0.00	67.01	1.56	2.95E-04	4.83
Pouring/Casting/ Cooling lines (EU-8 & EU-9, EU-8A & EU-9A)	2.55	51.38	51.38	0.22	0.11				
Casting Shakeout (EU-11, EU-12, EU-13)	2.55			0.00	0.00				
Sand Handling (EU-17 through EU-20, EU-22 through EU-24 & EU-26)	15.3	0.00	0.00	0.00	0.00				
No. 3 Cleaning Machine (EU-34)	1.28	0.95	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Grinding (EU-32)	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Finishing (EU-33)	1.28	0.06	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Shell Core Machines (EU-28)	0.34	1.64	1.64	0.48	0.74	0.00	0.00	0.00	0.00
Propane Combustion	N/A	0.22	0.22	0.02	2.93	2.46	0.16	0.00	0.00
Total Controlled Emissions (tons/yr)		99.48 95.01	94.90 90.43	0.72	3.79	69.47	15.18	0.47	4.83

Other Changes

Upon further review IDEM, OAQ has made the following changes to the Title V permit. (deleted language appears as ~~strikeout~~ and the new language **bolded**)

Change 1 IDEM has decided that the emission units EU-17 through EU-20 and EU-22, EU-23, EU-26 and EU-27 are not subject to Condition D.2.1 because they were constructed in 1971 prior to the applicability of the PSD rule. Therefore, the emission units have been deleted from Condition D.2.1.

D.2.1 PSD Minor Limit [326 IAC 2-2]

(b) The PM10 emissions from the wet collector WC-W controlling the Disa pouring/casting machines (EU-8 and EU-9), the shakeout units (EU-11, EU-12 and EU-13), ~~and the sand handling operation (EU-17 through EU-20, EU-22, EU-23, EU-26 and EU-27)~~ shall not exceed 4.6 pounds per ton of iron throughput.

Change 2 Due to the changes made in comment 7, IDEM has revised the limited emission calculations for PM and PM10.

Permit Level Determination – PSD and Nonattainment NSR

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Pollutant	Emissions After Modification (tons/year)
PM	99.48 95.01
PM10	94.90 90.43
SO ₂	0.72
VOC	15.14
CO	69.47
NO _x	3.79

**Indiana Department of Environmental Management
Office of Air Quality**

Technical Support Document (TSD) for a
Part 70 Significant Permit Modification.

Source Description and Location

Source Name:	Indiana Ductile, LLC
Source Location:	1600 South 8th Street, Noblesville, IN 46060
County:	Hamilton
SIC Code:	3321
Operation Permit No.:	T 057-13975-00002
Operation Permit Issuance Date:	August 28, 2003
Significant Permit Modification No.:	057-24460-00002
Permit Reviewer:	Alic Bent/EVP

Existing Approvals

The source was issued Part 70 Operating Permit No. T057-13975-00002 on August 28, 2003.

County Attainment Status

The source is located in Hamilton County.

Pollutant	Status
PM10	Attainment
PM2.5	Nonattainment
SO ₂	Attainment
NO ₂	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

Note: On November 8, 2007 the Indiana Air Pollution Control Board finalized a temporary emergency rule to redesignate Boone, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan and Shelby Counties as attainment for the 8-hour ozone standard.

- (a) Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC emissions and NO_x emissions are considered when evaluating the rule applicability relating to ozone.

On November 8, 2007, a temporary emergency rule took effect redesignating Hamilton County to attainment for the eight-hour ozone standard. The Indiana Air Pollution Control Board has begun the process for a permanent rule revision to incorporate these changes into 326 IAC 1-4-1. The permanent revision to 326 IAC 1-4-1 should take effect prior to the expiration of the emergency rule. Therefore, VOC emissions and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

- (b) U.S. EPA in Federal Register Notice 70 FR 943 dated January 5, 2005 has designated Hamilton County as nonattainment for PM_{2.5}. On March 7, 2005 the Indiana Attorney General's Office on behalf of IDEM filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of non-attainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate PM₁₀ emissions as surrogate for PM_{2.5} emissions pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability for the source section.
- (c) Hamilton County has been classified as attainment or unclassifiable for all other pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) Fugitive Emissions
 Since this type of operation is in one of the twenty-eight (28) listed source categories (a secondary metal production plant) under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are counted toward the determination of PSD and Emission Offset applicability.

Source Status

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).
- (c) These emissions are based on the Significant Permit Modification 057-24460-00002 application submitted by the source (see Appendix A: pages 1 and 2).

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2002 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	No data
PM ₁₀	7
SO ₂	0
VOC	0
CO	No data
NO _x	0
HAP (Lead)	0.12

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a permit modification application, submitted by Indiana Ductile, LLC on March 16, 2007, requesting corrections to their Part 70 Operating Permit Renewal No. T057-13975-00002 issued on August 28, 2003, to accurately reflect the equipment and operations at their stationary ductile iron foundry. The following is a list of the proposed changes to the Part 70 permit:

- (a) Revising descriptive information throughout the permit.
- (b) Removing two (2) shell core machines, one (1) Disa pouring/casting machine, one (1) Disa cooling line and one (1) stand grinder.
- (c) Removing the VOC limits in Conditions D.1.1(d) and D.2.1(c). The shell core machines (EU-28) were constructed in 1964, prior to the BACT applicability date of 1980. The shell core machines (EU-28) are not subject to the BACT requirements, therefore, Condition D.1.1(d) is not necessary.
- (d) Deleting the testing requirements in Condition D.1.4 for the scrap and charge handling operation (EU-2), the electric induction furnace (EU-3A), the magnesium treatment/inoculation operation (EU-6) and the core manufacturing operations. The Permittee stated that testing is not feasible on the uncontrolled emission units (charge handling, magnesium treatment processes and shell core machines) that exhaust to the general ventilation.
- (e) Revising the throughput limit in Conditions D.1.1, D.2.1 and D.3.1 from 27,900 to 22,338 tons per twelve (12) consecutive month period. The throughput limit of 22,338 tons per twelve (12) consecutive month period is the maximum annual capacity of the plant in tons per year based on the maximum hourly capacity of the melting operation of 10.2 tons per hour and the maximum annual operating hours of 2,190 hours per year.
- (f) Revising Condition D.1.1(c) to change the PM and PM10 combined short term limit of 2.05 and 1.72 pound per ton of metal, respectively, for the scrap and charge handling operation (EU-2), the electric induction furnace (EU-3A), the magnesium treatment/inoculation operation (EU-6) and the core manufacturing operations to individual limits for each emission unit.
- (g) Changing the pressure drop range for wet collector (WC-W) from "3.0 to 5.0 inches of water" to "2.0 to 6.0 inches of water" and the pressure drop range for baghouses (BH-1 and BH-2) from "2.0 to 4.0 inches of water" to "2.0 to 8.0 inches of water."
- (h) Deleting Section D.4 (Specifically Regulated Insignificant Activities) from the permit. The Permittee stated that the welding equipment described here are used for maintenance activities and not production and are therefore not specifically regulated. The paved and unpaved roads and parking lots activities described here are specifically regulated, however, there are no emission limitations and standards in Section D for these activities.
- (i) Revising Sections B, C and D of the permit to be consistent with the current Part 70 permit language for these sections.
- (j) Revising the emission calculations to include CO emissions for the pouring, cooling and shakeout operations. Since issuance of the original Title V permit (T057-13975-00002) issued on August 28, 2003, it has been determined by IDEM, OAQ that the pouring, cooling and shakeout operations are sources of CO emissions that were not previously identified.

Enforcement Issues

There are no pending enforcement actions.

Permit Level Determination – Part 70

There is no increase in emissions from the modification to this Part 70 permit. The Part 70 Operating permit is being modified through a Part 70 Significant Permit Modification. This modification is being performed pursuant to 326 IAC 2-7-12(d)(1) which states “every significant change in existing monitoring Part 70 permit terms or conditions and every relaxation of reporting or record keeping permit terms or conditions shall be considered significant”, because it involves revising existing permit conditions limiting source-wide PM and PM10 emissions below PSD threshold levels and relaxing existing monitoring conditions. PM and PM10 emissions from the source has always been less than 100 tons per year.

Permit Level Determination – PSD and Nonattainment NSR

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 permit modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Pollutant	Emissions After Modification (tons/year)
PM	99.48
PM10	94.90
SO ₂	0.72
VOC	15.14
CO	69.47
NO _x	3.79

- (a) This modification to an existing minor stationary source is not major because the emissions increase is less than the PSD major source thresholds. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.
- (b) Hamilton County has been designated as nonattainment for PM 2.5 in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled “Implementation of New Source Review Requirements in PM2.5 Nonattainment Areas” authored by Steve Page, Director of OAQPS, until EPA promulgates the PM2.5 major NSR regulations, states should assume that a major stationary source’s PM10 emissions represent PM2.5 emissions. IDEM will use the PM10 nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM2.5 NAAQS. A major source in a nonattainment area is a source that emits or has the potential to emit one hundred (100) tons per year of any nonattainment regulated pollutant. Indiana Ductile, Inc. has a limited potential to emit of PM10 below one hundred (100) tons per year. Therefore, assuming that PM10 emissions represent PM2.5 emissions, Nonattainment NSR does not apply for PM2.5.

Federal Rule Applicability Determination

The following federal rules are applicable to the source due to this modification:

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part

- 60) included in this proposed modification.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this proposed modification.

State Rule Applicability Determination

There are no new State Rules included in this permit due to this modification.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T057-13975-00002. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

1. The IDEM zip code has been changed throughout the permit.
2. IDEM, OAQ has determined that it is no longer necessary to identify the Responsible Official in permits. Therefore, Condition A.1 has been revised to remove this reference.
3. Conditions B.2 (Permit Term), B.3 (Enforceability) (now re-numbered B.4), B.9 (Certification) (now re-numbered B.8), B.7 (Duty to Provide Information) and B.17 (Permit Renewal) have been revised for clarification purposes. Also, a new Condition B.3 (Terms of Permit) has been added.
4. Condition B.8, Compliance with Permit Conditions, has been removed from the B section and has been added to the Part 70 permit title page instead.
5. Paragraph (a) of Condition B.10 (Annual Compliance Certification) (now re-numbered B.9) was revised for clarification purposes.
6. IDEM has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request, records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation. Therefore, IDEM has deleted paragraph (b) of Condition B.11 – Preventive Maintenance (now re-numbered B.10), and has amended Condition B.12 – Emergency Provisions (now re-numbered B.11).
7. Condition B.12 (Emergency Provisions) (now re-numbered B.11) has been revised to correct the telephone and fax numbers.
8. For clarification purposes, Condition B.20 - Operational Flexibility has been revised.
9. Condition B.22 (Inspection and Entry) was revised for clarification purposes.
10. Condition B.24 (Annual Fee Payment) has been revised to correct the telephone number.
11. Indiana was required to incorporate credible evidence provisions into state rules consistent with the SIP call published by U.S. EPA in 1997 (62 FR 8314). Indiana has incorporated the credible evidence provision in 326 IAC 1-1-6. This rule was effective March 16, 2005; therefore, the condition reflecting this rule is incorporated into the Part 70 permit.
12. The 326 IAC 6-3 revisions that became effective on June 12, 2002 were approved into the State Implementation Plan on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 (Process Operations) that had been part of the SIP; therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this

- source. Condition C.1 has been revised which contained these requirements.
13. IDEM, OAQ has decided that it is best to have the requirement of operating control equipment at all times be placed under compliance determination in the specific D conditions, and remove Condition C.6 (Operation of Equipment).
 14. IDEM realizes that the instrument specifications can only be practically applied to analog units, and has therefore clarified Condition C.13 (Instrument Specifications) (now re-numbered C.12) to state that the condition only applies to analog units. IDEM has also determined that the accuracy of the instruments is not nearly as important as whether the instrument has a range that is appropriate for the normal expected reading of the parameter. Therefore, the accuracy requirements have been removed from this condition:
 15. Condition C.17 (Actions Related to Noncompliance Demonstrated by a Stack Test) (now re-numbered C.16) had two errors in the spelling of one hundred twenty (120) days. There should be no "dash" and no "and".
 16. IDEM has reconsidered the requirement to develop and follow a Compliance Response Plan. The Permittee will still be required to take reasonable response steps when a compliance monitoring parameter is determined to be out of range or abnormal. Replacing the requirement to develop and follow a Compliance Response Plan with a requirement to take reasonable response steps will ensure that the control equipment is returned to proper operation as soon as practicable, while still allowing the Permittee the flexibility to respond to situations that were not anticipated. Therefore, the condition for "Compliance Response Plan" has been replaced by the condition for "Response to Excursions or Exceedances". The Section D conditions that refer to this condition have been revised to reflect the new condition title (see the changes in the section of Proposed Changes).
 17. IDEM, OAQ has revised Condition C.18 (Emission Statement) (now re-numbered C.17) to incorporate the revisions to 326 IAC 2-6 that became effective March 27, 2004. The revised rule was published in the April 1, 2004 Indiana Register.
 18. The permit has been revised to include the mailing codes for each respective IDEM, OAQ department. Mailing code MC 61-50 has been added for Technical Support and Modeling addresses. Mailing code MC 61-52 has been added for Asbestos Section addresses. Mailing code MC 61-53 has been added for Permits Branch, Compliance Branch, Compliance Data Section addresses and to the cover page of the permit.
 19. Sections A.2, D.1, D.2 and D.3 have been revised to correct the facility descriptions. The Permittee stated that the descriptive information in the current Part 70 Permit T057-13975-00002 are not accurate and that the information should be updated to reflect the equipment and operations at the plant. The changes to the permit, including changes to the designation of some stacks and control devices, result in the potential to emit for most regulated pollutants of less than what was actually permitted.
 20. Section A.3 (a), (b) and (c) has been revised to remove the propane-fired combustion units and the welding equipment from the permit. The Permittee stated that the welding equipment described here are used for maintenance activities and not production and are therefore not specifically regulated. In addition, IDEM, OAQ has determined that the limits in Section D.1 for propane-fired combustion units are not required and the propane-fired combustion units should not be listed in the permit.
 21. The iron throughput limit in Condition D.1.1, D.2.1 and D.3.1 has been revised from 27,900 to 22,338 tons per twelve (12) consecutive month period (see Appendix A: page 2 of 2) and the combined short term limits have been removed and replaced with short term limits for each emission unit. The quarterly reporting form has been revised to reflect the

- new iron throughput limit. The revised limits will continue to render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.
22. Condition D.1.1(c) has been revised to change the PM and PM10 combined short term limit of 2.05 and 1.72 pound per ton of metal, respectively, for the scrap and charge handling operation (EU-2), the electric induction furnace (EU-3A), the magnesium treatment/inoculation operation (EU-6) and the core manufacturing operations to individual limits for each emission unit. The original Title V permit erroneously indicated that the scrap and charge handling operation (EU-2), the electric induction furnace (EU-3A), the magnesium treatment/inoculation operation (EU-6) and the core manufacturing operations were exhausting to a designated stack (Stack 001), however, the permit has been revised to state that these emission units exhaust to general building ventilation that exits the building through various stacks. Therefore, individual limits for each emission unit is necessary.
 23. Condition D.1.1(d) has been deleted from the permit because the shell core machines (EU-28) were constructed in 1964, prior to the BACT applicability date of 1980. The shell core machines (EU-28) are not subject to the BACT requirements, therefore, Condition D.1.1(d) is not necessary. The recordkeeping and reporting requirements for the shell core machines have been removed from the permit.
 24. After further review, IDEM has decided to delete Condition D.1.4 (Testing Requirements). Condition D.1.4 was deleted because IDEM decided that testing is not feasible on the uncontrolled emission units (charge handling, magnesium treatment processes and shell core machines) that exhaust to the general ventilation. The PTE calculations for the charge handling, magnesium treatment processes and shell core machines indicate that these units will be able to comply with the applicable emission limitations without controls.
 25. The preventative maintenance plan in Condition D.1.3 has been revised to remove the reference to the control devices since all the units listed in Section D.1 are uncontrolled.
 26. Condition D.2.1(c) has been deleted from the permit because the uncontrolled potential to emit of VOC from the pouring/casting operations (EU-8 and EU-9) and the shakeout units (EU-11, EU-12 and EU-13) are each less than 25 tons per year and the combined uncontrolled potential to emit of VOC from the pouring/casting operations (EU-8 and EU-9) and the shakeout units (EU-11, EU-12 and EU-13) is 19.96 tons per year (see Appendix A: page 2 of 2). In the current Part 70 Permit, the BACT applicability was erroneously made using VOC emissions from the entire source, instead of the VOC emissions from each facility. The pouring/casting operations (EU-8 and EU-9) and the shakeout units (EU-11, EU-12 and EU-13) are not subject to the BACT requirements and Condition D.2.1(c) is not required to render 326 IAC 2-2 not applicable, therefore, Condition D.2.1(c) is not necessary.
 27. After further review, IDEM has decided to revise Condition D.2.4 (Testing Requirements). The original Title V permit erroneously indicated that the casting machines, cooling lines and the shakeout units were controlled by wet collector WC-E and exhausted to Stack 004. The permit has been revised to indicate that the two (2) casting machines (EU-8 and EU-9), three (3) shakeout units (EU-11, EU-12 and EU-13), and the sand handling operations including, one (1) muller (EU-17), one (1) over head shaker screen (EU-18), return sand storage silos (East and West) (EU-19 and EU-20), indoor bond storage silo (EU-23), indoor new sand storage bin (EU-26), and mag belt/bin top belt (EU-27) are all controlled by wet collector WC-W and exhaust through Stack 003.
 28. Upon further review, IDEM has determined that once per day monitoring of the control device (or of visible emission notations) is generally sufficient to ensure proper operation of the control device. IDEM has also determined that monitoring these parameters once per day is sufficient to satisfy the requirements of the Part 70 rules at 326 IAC 2-7-5 and 326 IAC 2-7-6.

29. IDEM has determined that it is the permittee's responsibility to include routine control device inspection requirements in the applicable preventive maintenance plan. Since the Permittee is in the best position to determine the appropriate frequency of control device inspections and the details regarding which components of the control device should be inspected, the conditions requiring control device inspections have been removed from the permit. In addition, the requirement to keep records of the inspections have been removed.
30. Upon further consideration, IDEM has decided to revise Condition D.2.9 (now re-numbered D.2.8), Broken or Failed Baghouse condition. Condition D.3.8 (now re-numbered D.3.7) has been modified in a similar manner without replication herein. For multi-compartment baghouses, the permit will not specify what actions the Permittee needs to take in response to a broken bag. However, a requirement has been added to Condition D.2.5 requiring the Permittee to notify IDEM if a broken bag is detected and the control device will not be repaired for more than ten (10) days. Similar notification requirement is added to Condition D.3.4 without replication herein. This notification allows IDEM to take any appropriate actions if the emission unit will continue to operate for a long period of time while the control device is not operating in optimum condition.
31. The pressure drop ranges for the baghouses and wet collector (BH-1, BH-2 and WC-W), as listed in the permit are incorrect since they do not represent normal operating pressure ranges for these units. Therefore, the pressure drop range for wet collector (WC-W) has been revised from "3.0 to 5.0 inches of water" to "2.0 to 6.0 inches of water" and the pressure drop range for baghouses (BH-1 and BH-2) has been revised from "2.0 to 4.0 inches of water" to "2.0 to 8.0 inches of water".
32. Section D.4 has been removed from the permit. The Permittee stated that the welding equipment described here are used for maintenance activities and not production and are therefore not specifically regulated. The paved and unpaved roads and parking lots activities described here are specifically regulated, however, there are no emission limitations and standards in Section D for these activities.
33. The last sentence of original Condition C.3 – Open Burning, was deleted because the provisions of 326 IAC 4-1-3 (a)(2)(A) and (B) are federally enforceable and are included in Indiana's State Implementation Plan (SIP).
34. The last sentence of original Condition C.4 – Incineration, was deleted because the provisions of 326 IAC 9-1-2 are federally enforceable and are included in Indiana's State Implementation Plan (SIP).
35. Table of Contents section of the permit has been revised accordingly.

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

The Permittee owns and operates a stationary ductile iron foundry.

~~Responsible Official: President, Indiana Ductile, LLC~~

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

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

- (a) One (1) scrap and charge handling and heating operation, identified as EU-2, constructed in 1998, with a maximum capacity of 10.2 tons per hour, with emissions uncontrolled, and exhausting to the general area ventilation which exhausts to stack 004;

- (b) One (1) electric induction furnace, identified as EU-3A, constructed in 1998, with a maximum capacity of 10.2 tons per hour, with emissions uncontrolled, and exhausting to the general area ventilation ~~which exhausts to stack 004~~;
- (c) One (1) magnesium treatment/inoculation operation, identified as EU-6, constructed in 1971, with a maximum capacity of 10.2 tons per hour, with emissions uncontrolled, and exhausting to the general area ventilation ~~which exhausts to stack 004~~;
- (d) ~~Three (3)~~ **Two (2) Disa** pouring/casting machines, identified as ~~EU-7 and EU-8 and EU-9~~, both constructed in 1997, with emissions controlled by wet collector WC-E, exhausting to stack 004, and ~~EU-9, constructed in 1997, with emissions controlled by wet collector WC-W, exhausting to stack 003, each with a maximum capacity of 3.4 tons of metal and 39 tons of sand per hour;~~
- (e) ~~Three (3)~~ **Two (2) casting/cooling lines Disa cooling lines**, identified as ~~EU-7A, EU-8A, and EU-9A~~, constructed in 1997, each with a maximum capacity of 3.4 tons of metal and 39 tons of sand per hour, with emissions **uncontrolled, and exhausting to the general ventilation area** ~~controlled by wet collector WC-E, and exhausting to stack 004~~;
- (f) Three (3) shake-out units, identified as EU-11, EU-12, and EU-13, all constructed in 1997, each with a maximum capacity of 3.4 tons of metal and 39 tons of sand per hour, with emissions controlled by wet collector ~~WC-E~~ **WC-W**, and exhausting through stack ~~004~~ **003**;
- (g) Sand grinding and handling operations, with a maximum capacity of ~~50~~ **100** tons per hour of sand and 10.2 tons per hour of castings, consisting of the following equipment:
 - (1) One (1) **"A" Shaker** (vibrating casting conveyor), identified as EU-16, constructed in 1996, with emissions **uncontrolled, and exhausting to the general ventilation area** ~~controlled by wet collector WC-E, and exhausting to stack 004~~;
 - (2) One (1) muller, identified as EU-17, constructed in 1971, with emissions controlled by wet collector WC-W, and exhausting to stack 003;
 - (3) ~~Return sand screens~~ **Overhead shaker screen**, identified as EU-18, constructed in 1971, with emissions controlled by wet collector WC-W, and exhausting to stack 003;
 - (4) One (1) ~~return sand conveyor system~~ **Mag belt/bin top belt**, identified as EU-27, constructed in 1971, with emissions controlled by wet collector WC-W, and exhausting to stack 003;

And the following storage bins:

- (5) Two (2) return sand storage bins **silos (East and West)**, identified as EU-19 and EU-20, both constructed in 1971, with capacities of 80 and 100 tons, respectively, emissions controlled by wet collector WC-W, and exhausting to stack 003;
- (6) One (1) **outdoor** bond storage bin **silos**, identified as EU-22, constructed in 1978, with a capacity of 80 tons of premixed casting sand binder, emissions controlled by a **sock filter system** ~~baghouse BH-2, and exhausting to stack 007~~;
- (7) One (1) **indoor** bond storage bin **silos**, identified as EU-23, constructed in 1971, with a capacity of 1 ton of premixed casting sand binder, emissions controlled by wet collector WC-W, and exhausting to stack 003;
- (8) **One (1) West** ~~Two (2)~~ outdoor sand storage bins, identified as EU-24, and EU-25,

- ~~both~~ constructed in 1971, ~~each~~ with a capacity of 150 tons, and ~~a~~ sources of fugitive emissions;
- (9) One (1) **indoor new** sand storage bin, identified as EU-26, constructed in 1971, with a capacity of 1 ton, emissions controlled by wet collector WC-W, and exhausting to stack 003;
- (h) Core manufacturing operations with a maximum production rate of ~~0.84~~ **0.34** tons per hour of manufactured cores, with emissions uncontrolled, consisting of the following equipment:
- (1) ~~Two (2) Four (4)~~ shell core machines, identified as EU-28, constructed in 1964, each with maximum capacity of **0.17 tons of cores per hour** ~~50 lb VOC/ton from catalyst use and 1.3 lb VOC/ton from binder use~~, a heat input capacity of 2.09 MMBtu/hr per machine, and exhausting to the general area ventilation ~~which exhausts to stack 004~~;
- ~~(2) Two (2) isocore core machines, identified as EU-29, constructed in 1976 and 1997, respectively, each with maximum capacity of 30 lb VOC/ton from catalyst use and 1.1 lb VOC/ton from binder use, and exhausting to the general area ventilation which exhausts to stack 004;~~
- (i) ~~One (1) Tumbleblast cleaning operations~~ **No. 3 cleaning machine, identified as EU-34, constructed in 2001**, with a maximum capacity of 5.6 tons per hour of castings and 15 tons per hour of steel shot, **controlled by baghouse BH-2, exhausting to stack 007**; ~~consisting of the following equipment:~~
- ~~(1) One (1) shot blast machine, identified as EU-30, constructed in 1963, emissions controlled by baghouse BH-1, and exhausting to stack 006;~~
- ~~(2) One (1) shot blast machine, identified as EU-31, constructed in 1992, emissions controlled by baghouse BH-1, and exhausting to stack 006;~~
- (j) Casting, grinding and finishing operations with a maximum throughput of 5.6 tons per hour of finished castings, consisting of the following equipment:
- (1) ~~Nine (9) Ten (10) grinding units~~ **stand grinders**, identified as EU-32, constructed in 1965, emissions controlled by baghouse BH-1, and exhausting to stack 006;
- (2) Ten (10) finishing (~~air burr~~ **Burr Stations**) units, identified as EU-33, all constructed in 1992, emissions ~~controlled by baghouse BH-1, and exhausting to stack 006~~ **uncontrolled, and exhausting to the general ventilation area.**

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

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

- ~~(a) Propane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour [326 IAC 2-2]:~~
- ~~(1) Two (2) 0.5 MMBtu/hr heating ladle torches;~~
- ~~(2) One (1) 0.5 MMBtu/hr core drying conveyor heating torch;~~
- ~~(3) Two (2) 0.5 MMBtu/hr auto pour torches.~~
- ~~(b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment cutting torches, soldering equipment, and welding equipment. [40~~

~~CFR 52 Subpart P [326 IAC 6-3-2]~~

- ~~(c) Structural steel and bridge fabrication activities: using 80 tons or less of welding consumables and cutting 200,000 linear feet or less of one inch plate or equivalent. [40 CFR 52 Subpart P] [326 IAC 6-3-2]~~

SECTION B — GENERAL CONDITIONS

B.1 — Definitions [326 IAC 2-7-1]

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

B.2 — Permit Term [326 IAC 2-7-5(2)]

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

B.3 — Enforceability [326 IAC 2-7-7(a)]

~~(a) All terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM.~~

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

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

~~The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).~~

B.5 — Severability [326 IAC 2-7-5(5)]

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

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

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

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

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

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

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

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

~~Permittee is making a claim of confidentiality regarding the furnished records, then the Permittee must furnish such confidential records directly to the U.S. EPA along with a claim of confidentiality under 40 CFR 2, Subpart B.~~

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

~~(a) — As provided in 326 IAC 2-7-5(6), 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.~~

~~B.9 — Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)]~~

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

~~(b) — One (1) certification shall be included, on the attached Certification Form, with each submittal.~~

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

~~B.10 — Annual Compliance Certification [326 IAC 2-7-6(5)]~~

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

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

~~and~~

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

~~(b) — The annual compliance certification report required by this permit shall be considered~~

~~timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.~~

- ~~(c) The annual compliance certification report shall include the following:~~
- ~~(1) The identification of each term or condition of this permit that is the basis of the certification;~~
 - ~~(2) The compliance status;~~
 - ~~(3) Whether compliance was continuous or intermittent;~~
 - ~~(4) The methods used for determining compliance of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); 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.11 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)]
[326 IAC 1-6-3]~~

- ~~(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) within ninety (90) days after issuance of this permit, including the following information on each facility:~~
- ~~(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;~~
 - ~~(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions;~~
 - ~~(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.~~

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

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

~~The PMP extension notification do 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 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the requirements of 326 IAC 1-6-3 for that unit.~~

~~B.12 Emergency Provisions [326 IAC 2-7-16]~~

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

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

- ~~(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;~~

- ~~(2) The permitted facility was at the time being properly operated;~~

- ~~(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;~~

- ~~(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;~~

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

~~Telephone Number: 317-233-0178 (ask for Compliance Section)~~

~~Facsimile Number: 317-233-6865~~

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

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

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

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

- ~~(A) A description of the emergency;~~

- ~~(B) Any steps taken to mitigate the emissions; and~~

~~(C) — Corrective actions taken.~~

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

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

~~(c) — In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.~~

~~(d) — This emergency provision supersedes 326 IAC 1-6 (Malfunctions) for sources subject to this rule after the effective date of this rule. This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.~~

~~(e) — IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(9) be revised in response to an emergency.~~

~~(f) — Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in compliance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.~~

~~(g) — 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) — Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.~~

~~B.13 — 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) — 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.~~

~~(c) — 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.~~

- ~~(d) — 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.~~
- ~~(e) — 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).~~
- ~~(f) — 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)]~~
- ~~(g) — 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.14 — Prior Permits Superseded [326 IAC 2-1.1-9.5]~~

- ~~(a) — All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either~~
- ~~(1) — incorporated as originally stated,~~
 - ~~(2) — revised, or~~
 - ~~(3) — deleted~~
- ~~by this permit.~~
- ~~(b) — All previous registrations and permits are superseded by this permit.~~

~~B.15 — Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]~~

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

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

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

- ~~(b) — A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:~~
- ~~(1) — An excursion from compliance monitoring parameters as identified in Section D of~~

~~this permit unless tied to an applicable rule or limit; or~~

~~(2) — An emergency as defined in 326 IAC 2-7-1(12); or~~

~~(3) — Failure to implement elements of the Preventive Maintenance Plan unless lack of maintenance has caused or contributed to a deviation.~~

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

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

~~(c) — Written notification shall be submitted on the attached Emergency/Deviation Occurrence Reporting Form or its substantial equivalent. The notification does not need to be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

~~(d) — Proper notice submittal under 326 IAC 2-7-16 satisfies the requirement of this subsection.~~

~~B.16 — Permit Modification, Reopening, Revocation and Reissuance, or Termination~~

~~[326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]~~

~~(a) — This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)]~~

~~(b) — This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:~~

~~(1) — That this permit contains a material mistake.~~

~~(2) — That inaccurate statements were made in establishing the emissions standards or other terms or conditions.~~

~~(3) — That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]~~

~~(c) — Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]~~

~~(d) — The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]~~

~~B.17 — Permit Renewal [326 IAC 2-7-4]~~

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

~~Request for renewal shall be submitted to:~~

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

~~(b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]~~

~~(1) A timely renewal application is one that is:~~

~~(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and~~

~~(B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due. [326 IAC 2-5-3]~~

~~(2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.~~

~~(c) Right to Operate After Application for Renewal [326 IAC 2-7-3]~~

~~If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.~~

~~(d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]~~

~~If IDEM, OAQ, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.~~

~~B.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]~~

~~(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.~~

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

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

~~Any such application should be certified by the "responsible official" as defined by 326 IAC 2-7-1(34) only if a certification is required by the terms of the applicable rule.~~

~~(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]~~

~~B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]
[326 IAC 2-7-12 (b)(2)]~~

~~(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.~~

~~(b) Notwithstanding 326 IAC 2-7-12(b)(1)(D)(i) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.~~

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

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

~~(1) The changes are not modifications under any provision of Title I of the Clean Air Act;~~

~~(2) Any approval required by 326 IAC 2-1 has been obtained;~~

~~(3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);~~

~~(4) The Permittee notifies the:~~

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

~~and~~

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

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

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

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

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

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

- ~~(c) Emission Trades [326 IAC 2-7-20(c)]~~
~~The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).~~
- ~~(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]~~
~~The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.~~
- ~~(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.~~

~~B.21 Source Modification Requirement [326 IAC 2-7-10.5]~~

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

~~B.22 Inspection and Entry [326 IAC 2-7-6(2)]~~

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

- ~~(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;~~
- ~~(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;~~
- ~~(c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;~~
- ~~(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and~~
- ~~(e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements. [326 IAC 2-7-6(6)]~~
 - ~~(1) The Permittee may assert a claim that, in the opinion of the Permittee, information removed or about to be removed from the source by IDEM, OAQ, or an~~

~~authorized representative, contains information that is confidential under IC 5-14-3-4(a). The claim shall be made in writing before or at the time the information is removed from the source. In the event that a claim of confidentiality is so asserted, neither IDEM, OAQ, nor an authorized representative, may disclose the information unless and until IDEM, OAQ, makes a determination under 326 IAC 17-1-7 through 326 IAC 17-1-9 that the information is not entitled to confidential treatment and that determination becomes final. [IC 5-14-3-4; IC 13-14-11-3; 326 IAC 17-1-7 through 326 IAC 17-1-9]~~

- ~~(2) The Permittee, and IDEM, OAQ, acknowledge that the federal law applies to claims of confidentiality made by the Permittee with regard to information removed or about to be removed from the source by U.S. EPA. [40 CFR Part 2, Subpart B]~~

~~B.23 Transfer of Ownership or Operation [326 IAC 2-1-6] [326 IAC 2-7-11]
Pursuant to 326 IAC 2-1-6 and 326 IAC 2-7-11:~~

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

~~B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)]~~

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

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 Exemptions), opacity shall meet the following, unless otherwise stated in this permit:~~

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

~~C.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)]~~

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

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

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

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

- ~~(1) — When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or~~
- ~~(2) — If there is a change in the following:
 - ~~(A) — Asbestos removal or demolition start date;~~
 - ~~(B) — Removal or demolition contractor; or~~
 - ~~(C) — Waste disposal site.~~~~
- ~~(c) — The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).~~
- ~~(d) — The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).~~

All required notifications shall be submitted to:

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

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

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

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

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

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

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

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]

~~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)]

~~Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment, no more than ninety (90) days after receipt of this permit. If due to circumstances beyond its control, this schedule cannot be met, the Permittee may extend compliance schedule an additional ninety (90) days provided the Permittee notifies:~~

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

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

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

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

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

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

- (a) ~~Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such~~

~~that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.~~

- ~~(b) — 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.~~

~~C.14 — Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):~~

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

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

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

~~The ERP does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).~~

- ~~(c) — If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.~~
- ~~(d) — These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.~~
- ~~(e) — Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.~~
- ~~(f) — Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]~~

~~C.15 — Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]
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 (c) 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]~~

- (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(e)] [326 IAC 2-6]~~

- (a) ~~The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by July 1st 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.~~

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

~~(c) — Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.~~

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

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

Stratospheric Ozone Protection

~~C.20 — Compliance with 40 CFR 82 and 326 IAC 22-1~~

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

~~(a) — Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.~~

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

SECTION B GENERAL CONDITIONS

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

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

B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

- (a) This permit, T057-13975-00002, 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 of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

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

B.4 Enforceability [326 IAC 2-7-7]

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

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

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

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

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

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

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does not 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 the "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. One (1) certification may cover multiple forms in one (1) submittal.
- (c) The "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 no later than July 1 of each year to:

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

and

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

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

- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
- (2) The compliance status;
- (3) Whether compliance was continuous or intermittent;
- (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
- (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

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

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

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

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

- (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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.**
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.**
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.**
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, 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 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) 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.**
- (c) 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.

- (d) 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.**
- (e) 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).**
- (f) 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)]**
- (g) 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][326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to T057-13975-00002 and issued pursuant to permitting programs approved into the state implementation plan have been either:**
- (1) incorporated as originally stated,**
 - (2) revised under 326 IAC 2-7-10.5, or**
 - (3) deleted under 326 IAC 2-7-10.5.**
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.**

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 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**

**MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251**

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

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

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

**B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]**

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating 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.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

- (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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251**

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date 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) 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.

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12][40 CFR 72]

- (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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251**
- Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request.
[326 IAC 2-7-11(c)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

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

procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

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

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

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;**
- (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;**
- (3) The changes do not result in emissions which exceed the limitations provided in 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251**

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). The Permittee shall make 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 emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) **Alternative Operating Scenarios [326 IAC 2-7-20(d)]**
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-7-10.5] [326 IAC 2-2-2] [326 IAC 2-3-2]

- (a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.
- (b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2-2 and/or 326 IAC 2-3-2.

B.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor at reasonable times, substances or parameters for the purpose

of assuring compliance with this permit or applicable requirements; and

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

B.23 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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.

C.2 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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 Stack Height [326 IAC 1-7]

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

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

All required notifications shall be submitted to:

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

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.8 Performance Testing [326 IAC 3-6]

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

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

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

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

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

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

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

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

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

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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

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

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality

**100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251**

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

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

- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.
[326 IAC 1-5-3]

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

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

C.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;

- (2) review of operation and maintenance procedures and records;
- (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

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

The response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

- (a) Pursuant to 326 IAC 2-6-3(b)(2), starting in 2005 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
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251**

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

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

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

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

- (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,
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251**

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the

date it is due.

- (d) Unless otherwise specified in this permit, any quarterly report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The 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, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.**

Stratospheric Ozone Protection

C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

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

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

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: units exhausting to ~~stack-004~~ general ventilation and combustion sources

- (a) One (1) scrap and charge handling and heating operation, identified as EU-2, constructed in 1998, with a maximum capacity of 10.2 tons per hour, with emissions uncontrolled, and exhausting to the general area ventilation ~~which exhausts to stack-004~~;**
- (b) One (1) electric induction furnace, identified as EU-3A, constructed in 1998, with a maximum capacity of 10.2 tons per hour, with emissions uncontrolled, and exhausting to the general area ventilation ~~which exhausts to stack-004~~;**
- (c) One (1) magnesium treatment/inoculation operation, identified as EU-6, constructed in 1971, with maximum capacity of 10.2 tons per hour, with emissions uncontrolled, and exhausting to the general area ventilation ~~which exhausts to stack-004~~;**
- (h) Core manufacturing operations with a maximum production rate of ~~0.84~~ 0.34 tons per hour of manufactured cores, with emissions uncontrolled, consisting of the following equipment:**

SECTION D.1

FACILITY OPERATION CONDITIONS (continued)

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

(1) ~~Two~~ **(2) Four** (4) shell core machines, identified as EU-28, constructed in 1964, each with maximum capacity of **0.17 tons of cores per hour** ~~50 lb VOC/ton from catalyst use and 1.3 lb VOC/ton from binder use~~, a heat input capacity of 2.09 MMBtu/hr per machine, and exhausting to the general area ventilation ~~which exhausts to stack 001~~;

(2) ~~Two~~ **(2)** isocore core machines, identified as EU-29, constructed in 1976 and 1997, respectively, each with maximum capacity of 30 lb VOC/ton from catalyst use and 1.1 lb VOC/ton from binder use, and exhausting to the general area ventilation ~~which exhausts to stack 001~~;

And the following Specifically Regulated Insignificant Activities:

(a) ~~Propane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour [326 IAC 2-2]:~~

(1) ~~Two~~ **(2)** 0.5 MMBtu/hr heating ladle torches;

(2) ~~One~~ **(1)** 0.5 MMBtu/hr core drying conveyor heating torch;

(3) ~~Two~~ **(2)** 0.5 MMBtu/hr auto-pour torches.

(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 Production Limitation [326 IAC 2-2] [326 IAC 8-1-6]

- (a) Pursuant to SSM 057-10672-00002, issued October 20, 1999, the steel scrap and ductile iron re-melt delivered to the electric induction furnace (EU-3A) and its associated operations [scrap and charge handling and heating, inoculation, pouring/casting (Section D.2), casting/cooling (Section D.2), shakeout (Section D.2), sand grinding and handling (Section D.2), tumbleblast cleaning (Section D.3), casting grinding and finishing (Section D.3), and core manufacturing] shall not exceed 27,900 tons per twelve consecutive month period with compliance determined at the end of each month.
- (b) The total amount of propane used at the source shall not exceed forty-five (45.0) million standard cubic feet (MMSCF) per twelve consecutive month period with compliance determined at the end of each month.
- (c) The PM and PM10 emission limits for stack 001, are as follows:

Stack (#): Process/facility (ID)	PM (lb/ton metal)	PM ₁₀ (lb/ton metal)
Stack 001: Scrap and Charge Handling and Heating (EU-2); Electric Induction Furnace (EU-3A); Magnesium Treatment/Inoculation (EU-6); Core Manufacturing and Handling (EU-28 and EU-29);	2.05	1.72

Compliance with these limits, in conjunction with Conditions D.2.1(a) and D.3.1(a) [identical to Condition D.1.1(a)], is equivalent to total PM and PM10 emissions (from the entire source) of less than 146.8 and 63.4 tons per year, respectively. Compliance with these limits, and the emissions credits (from the removal of cupola EU-1) of 122 and 97.4 tons per year PM and PM10, respectively, will render the requirements of 326 IAC 2-2 not applicable to the modification

~~permitted via SSM 057-10672-00002, issued October 20, 1999.~~

- ~~(d) The total amount of VOC in the binder and catalyst used by the core manufacturing operations (EU-28 and EU-29) shall not exceed 6.1 tons per twelve consecutive month period with compliance determined at the end of each month.~~

~~Compliance with this limit, in conjunction with Conditions D.1.1(a) and D.2.1(c), is equivalent to total VOC emissions (from the entire source) of less than 25.0 tons per year. Compliance with this limit will render the requirements of 326 IAC 8-1-6 (BACT) and 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable to the modification permitted via SSM 057-10672-00002, issued October 20, 1999.~~

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

- (a) Pursuant to Significant Permit Modification 057-24460-00002, the iron throughput to the:**
- electric induction furnace (EU-3A), scrap and charge handling (EU-2), magnesium treatment/inoculation (EU-6), and core machines (EU-28) (Section D.1),
 - pouring/casting (Section D.2),
 - cooling (Section D.2),
 - shakeout (Section D.2),
 - sand grinding and handling (Section D.2),
 - No. 3 cleaning machine (Section D.3), and
 - casting grinding and finishing (Section D.3)
- shall be limited to less than 22,338 tons per twelve (12) consecutive month period with compliance determined at the end of each month.**
- (b) The PM emissions from the scrap and charge handling operation (EU-2) shall not exceed 0.6 pounds per ton of iron throughput.**
- (c) The PM10 emissions from the scrap and charge handling operation (EU-2) shall not exceed 0.36 pounds per ton of iron throughput.**
- (d) The PM emissions from the electric induction furnace (EU-3A) shall not exceed 0.9 pounds per ton of iron throughput.**
- (e) The PM10 emissions from the electric induction furnace (EU-3A) shall not exceed 0.86 pounds per ton of iron throughput.**
- (f) The PM emissions from the magnesium ductile treatment operation (EU-6) shall not exceed 1.80 pounds per ton of iron throughput.**
- (g) The PM10 emissions from the magnesium ductile treatment operation (EU-6) shall not exceed 1.80 pounds per ton of iron throughput.**

Compliance with these limits and Conditions D.2.1 and D.3.1, combined with PM and PM10 emissions from other emission units, shall limit source-wide PM and PM10 to less than 100 tons per year and render 326 IAC 2-2 (PSD) not applicable.

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

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from:

- (a) The one (1) scrap and charge handling and heating operation, identified as EU-2, shall not exceed 19.4 pounds per hour when operating at a process weight rate of 10.2 tons**

per hour.

- (b) The one (1) 10.2 ton per hour electric induction furnace, identified as EU-3A, shall not exceed 19.4 pounds per hour, when operating at a process weight rate of 10.2 tons per hour.
- (c) The one (1) magnesium treatment/inoculation operation, identified as EU-6, shall not exceed 19.4 pounds per hour when operating at a process weight rate of 10.2 tons per hour.
- (d) The core manufacturing operations, identified as EU-28 and EU-29, ~~exhausting to stack 001,~~ shall not exceed ~~3.65~~ **1.99** pounds per hour, total, when operating at a process weight rate of ~~0.84~~ **0.34** tons per hour of cores manufactured, total.

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

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

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

D.1.3 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 these facilities ~~and their control devices.~~

~~Compliance Determination Requirements~~

~~D.1.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]~~

~~Within one hundred and eighty (180) days after issuance of this Part 70 permit, in order to document compliance with Conditions D.1.1, the Permittee shall perform PM and PM10 testing on stack 001 utilizing methods as approved by the Commissioner. The respective facilities shall process 100% ductile iron re-melt during the tests. This test shall be repeated at least once every five (5) years from the date of valid compliance demonstration. PM10 includes filterable and condensable PM10. Testing shall be conducted in accordance with Section C - Performance Testing.~~

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

~~D.1.5~~**D.1.4** Visible Emissions Notations

- (a) Visible emission notations of the **general ventilation** exhaust from EU-2, EU-3A, EU-6, **and** EU-28, ~~and EU-29, exhausting to stack 001,~~ shall be performed once per **shift day** during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) ~~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.~~

If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

~~D.1.6~~**D.1.5** Record Keeping Requirements

- (a) To document compliance with Conditions D.1.1(a), ~~D.1.1(b)~~, D.2.1, and D.3.1, the Permittee shall maintain monthly records of the:
- ~~(1) Melt iron~~ throughput (tons) of steel scrap and ductile iron re-melt delivered to electric induction furnace EU-3A; and
 - ~~(2) Total propane usage (MMSCF) at the source.~~
- ~~(b) To document compliance with Condition D.1.1(d), the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken daily and shall be complete and sufficient to establish compliance with the VOC usage limits established in Condition D.1.1(d). Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.~~
- ~~(1) The VOC content of each binder and catalyst used.~~
 - ~~(2) The amount of binder and catalyst used on a monthly basis. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.~~
 - ~~(3) The total VOC usage for each month; and~~
 - ~~(4) The weight of VOCs emitted for each compliance period.~~
- ~~(b)~~ **(b)** To document compliance with Condition D.1.5, the Permittee shall maintain records of the **daily** visible emission notations as required by Condition D.1.5. **The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).**
- ~~(d) To document compliance with Condition D.1.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~
- ~~(c)~~ **(c)** All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

~~D.1.7~~**D.1.6** Reporting Requirements

Quarterly summaries of the information to document compliance with Condition D.1.1**(a)** shall be submitted to the address(es) 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 reports submitted by the Permittee do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Submission

of these reports will document compliance with Conditions D.1.1(a), D.2.1, and D.3.1.

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: units exhausting to stacks 003 and 004

- (d) ~~Three (3)~~ **Two (2) Disa** pouring/casting machines, identified as ~~EU-7 and EU-8 and EU-9~~, both constructed in 1997, with emissions controlled by wet collector ~~WC-E~~, exhausting to ~~stack 004~~, and ~~EU-9~~, constructed in 1997, with emissions controlled by wet collector WC-W, exhausting to stack 003, each with a maximum capacity of 3.4 tons of metal and 39 tons of sand per hour;
- (e) ~~Three (3)~~ **Two (2) casting/cooling lines Disa cooling lines**, identified as ~~EU-7A, EU-8A, and EU-9A~~, constructed in 1997, each with a maximum capacity of 3.4 tons of metal and 39 tons of sand per hour, with emissions **uncontrolled, and exhausting to the general ventilation area** ~~and controlled by wet collector WC-E, and exhausting to stack 004~~;
- (f) Three (3) shake-out units, identified as EU-11, EU-12, and EU-13, all constructed in 1997, each with a maximum capacity of 3.4 tons of metal and 39 tons of sand per hour, with emissions controlled by wet collector ~~WC-E~~ **WC-W**, and exhausting through stack ~~004~~ **003**;
- (g) Sand ~~grinding and~~ handling operations, with a maximum capacity of ~~50~~ **100** tons per hour of sand and 10.2 tons per hour of castings, consisting of the following equipment:
- (1) One (1) **"A" Shaker** (vibrating casting conveyor), identified as EU-16, constructed in 1996, with emissions **uncontrolled, and exhausting to the general ventilation area** ~~controlled by wet collector WC-E, and exhausting to stack 004~~;
 - (2) One (1) muller, identified as EU-17, constructed in 1971, with emissions controlled by wet collector WC-W, and exhausting to stack 003;
 - (3) ~~Return sand screens~~ **Overhead shaker screen**, identified as EU-18, constructed in 1971, with emissions controlled by wet collector WC-W, and exhausting to stack 003;
 - (4) One (1) ~~return sand conveyor system~~ **Mag belt/bin top belt**, identified as EU-27, constructed in 1971, with emissions controlled by wet collector WC-W, and exhausting to stack 003;
- And the following storage bins:
- (5) Two (2) return sand storage bins **silos (East and West)**, identified as EU-19 and EU-20, both constructed in 1971, with capacities of 80 and 100 tons, respectively, emissions controlled by wet collector WC-W, and exhausting to stack 003;
 - (6) One (1) **outdoor** bond storage bin silo, identified as EU-22, constructed in 1978, with a capacity of 80 tons of premixed casting sand binder, emissions controlled by **a sock filter system** ~~baghouse BH-2, and exhausting to stack 007~~;

SECTION D.2

FACILITY OPERATION CONDITIONS (continued)

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

- (7) One (1) **indoor** bond storage bin silo, identified as EU-23, constructed in 1971, with a capacity of 1 ton of premixed casting sand binder, emissions controlled by wet collector

WC-W, and exhausting to stack 003;

(8) **One (1) West Two (2)** outdoor sand storage bins, identified as EU-24, and EU-25, both constructed in 1971, each with a capacity of 150 tons, and a sources of fugitive emissions;

(9) One (1) **indoor new** sand storage bin, identified as EU-26, constructed in 1971, with a capacity of 1 ton, emissions controlled by wet collector WC-W, and exhausting to stack 003;

(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 Production Limitations [326 IAC 2-2] [326 IAC 8-1-6]~~

(a) Pursuant to SSM 057-10672-00002, issued October 20, 1999, the steel scrap and ductile iron re-melt delivered to the electric induction furnace (EU-3A) and its associated operations [scrap and charge handling and heating, inoculation, pouring/casting (Section D.2), casting/cooling (Section D.2), shakeout (Section D.2), sand grinding and handling (Section D.2), tumbleblast cleaning (Section D.3), casting grinding and finishing (Section D.3), and core manufacturing] shall not exceed 27,900 tons per twelve consecutive month period with compliance determined at the end of each month.

(b) The PM and PM10 emission limits for stacks 003 and 004 are as follows:

Stack (#): Process/facility (ID)	PM (lb/ton)	PM ₁₀ (lb/ton)
Stack 003: Pouring/Casting Machine (EU-9); Sand Grinding and Handling (EU-17, EU-18, EU-19, EU-20, EU-23, EU-26, EU-27)	7.07	1.79
Stack 004: Pouring/Casting Machines (EU-7, EU-8); Casting/Cooling Lines (EU-7A, EU-8A, and EU-9A); Shake-out Units (EU-11, EU-12, and EU-13); Sand Grinding and Handling (EU-16);	8.16	2.7

Compliance with these limits, in conjunction with Conditions D.1.1(a) and D.3.1(a) [identical to Condition D.2.1(a)], is equivalent to total PM and PM10 emissions (from the entire source) of less than 146.8 and 63.4 tons per year, respectively. Compliance with these limits, and the emissions credits (from the removal of cupola EU-1) of 122 and 97.4 tons per year PM and PM10, respectively, will render the requirements of 326 IAC 2-2 not applicable to the modification completed pursuant to SSM 057-10672-00002, issued October 20, 1999.

(c) The VOC emissions from the following facilities are limited, as indicated below:

Stack (#): Process/facility (ID)	VOC (lb/ton metal)
Stack 003: Pouring/Casting Machines (EU-9)	0.14
Stack 004: Pouring/Casting Machines	1.34

(EU-7, EU-8); and Shake-out Units (EU-11, EU-12, and EU-13)	
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~~Compliance with this limit in conjunction with Conditions D.2.1(a) and D.1.1(d), is equivalent to total VOC emissions (from the entire source) of less than 25.0 tons per year. Compliance with these limits will render the requirements of 326 IAC 8-1-6 (BACT) and 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable to the modification permitted via SSM 057-10672-00002, issued October 20, 1999.~~

D.2.1 PSD Minor Limit [326 IAC 2-2]

Pursuant to Significant Permit Modification 057-24460-00002:

- (a) **The PM emissions from the wet collector WC-W controlling the Disa pouring/casting machines (EU-8 and EU-9), the shakeout units (EU-11, EU-12 and EU-13), and the sand handling operation (EU-17 through EU-20, EU-22, EU-23, EU-26 and EU-27) shall not exceed 4.6 pounds per ton of iron throughput.**
- (b) **The PM10 emissions from the wet collector WC-W controlling the Disa pouring/casting machines (EU-8 and EU-9), the shakeout units (EU-11, EU-12 and EU-13), and the sand handling operation (EU-17 through EU-20, EU-22, EU-23, EU-26 and EU-27) shall not exceed 4.6 pounds per ton of iron throughput.**
- (c) **The PM emissions from the Disa cooling lines (EU-8A and EU-9A) shall not exceed 0.4 pounds per ton of iron throughput.**
- (d) **The PM10 emissions from the Disa cooling lines (EU-8A and EU-9A) shall not exceed 0.4 pounds per ton of iron throughput.**
- (e) **The PM emissions from the "A" Shaker (vibrating casting conveyor) (EU-16) shall not exceed 0.35 pounds per ton of iron throughput.**
- (f) **The PM10 emissions from the "A" Shaker (vibrating casting conveyor) (EU-16) shall not exceed 0.30 pounds per ton of iron throughput.**

Compliance with these limits and Conditions D.1.1 and D.3.1, combined with PM and PM10 emissions from other emission units, shall limit source-wide PM and PM10 to less than 100 tons per year and render 326 IAC 2-2 (PSD) not applicable.

D.2.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from:

- (a) **The ~~three (3)~~ **two (2)** Disa pouring/casting machines, identified as ~~EU-7, EU-8 and EU-9,~~ shall not exceed ~~50.5~~ **43.06** pounds per hour, each, when operating at a process weight rate of 42.4 tons per hour, each.**
- (b) **The ~~three (3)~~ **two (2)** Disa casting/cooling lines, identified as ~~EU-7A, EU-8A and EU-9A,~~ shall not exceed ~~50.5~~ **43.06** pounds per hour, each, when operating at a process weight rate of 42.4 tons per hour, each.**
- (c) **The three (3) shake-out units, identified as EU-11, EU-12 and EU-13, shall not exceed ~~50.5~~ **43.06** pounds per hour, each, when operating at a process weight rate of 42.4 tons per hour, each.**
- (d) **The ~~allowable particulate emission rate from the sand grinding and handling operations,~~ identified as EU-16 through EU-20, and EU-22 through ~~EU-24, EU-26 and~~ EU-27 shall not exceed ~~46.3~~ **51.28** pounds per hour, total, when operating at a total process weight**

rate of ~~60.2~~ **100** tons per hour, total.

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

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

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

D.2.3 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 these facilities and their control devices.

Compliance Determination Requirements

D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Pursuant to SSM 057-10672-00002, issued October 20, 1999:

Within one hundred and eighty (180) days after issuance of this Significant Permit Modification 057-24460-00002, the Permittee shall perform PM and PM10 testing on wet collector WC-W (stack 003) controlling the two (2) casting machines (EU-8 and EU-9), three (3) shakeout units (EU-11, EU-12 and EU-13), and the sand handling operations including, one (1) muller (EU-17), one (1) over head shaker screen (EU-18), return sand storage silos (East and West) (EU-19 and EU-20), indoor bond storage silo (EU-23), indoor new sand storage bin (EU-26), and mag belt/bin top belt (EU-27) utilizing methods as approved by the Commissioner. The respective facilities shall process 100% ductile iron re-melt during the tests. This test shall be repeated at least once every five (5) years from the date of valid compliance demonstration. PM10 includes filterable and condensable PM10. Testing shall be conducted in accordance with Section C- Performance Testing.

~~(a) Within one hundred and eighty (180) days after issuance of this Part 70 permit, the Permittee shall perform PM and PM10 testing for two (2) casting machines (EU-7 and EU-8), the three (3) cooling lines (EU-7A, EU-8A and EU-9A), three (3) shakeout units (EU-11, EU-12 and EU-13), and one (1) casting vibrating conveyor (EU-16), all exhausting through wet collector WC-E (stack 004) utilizing methods as approved by the Commissioner. The respective facilities shall process 100% ductile iron remelt during the tests. This test shall be repeated at least once every five (5) years from the date of valid compliance demonstration. PM10 includes filterable and condensable PM10. Testing shall be conducted in accordance with Section C- Performance Testing.~~

~~(b) Within one hundred and eighty (180) days after issuance of this Part 70 permit, the Permittee shall perform PM and PM10 testing for the one (1) casting machine (EU-9), one (1) muller (EU-17), the return sand screens (EU-18), one (1) return sand conveyor system (EU-27) and the four (4) storage bins (EU-19, EU-20, EU-23 and EU-26), all exhausting through wet collector WC-W (stack 003) utilizing methods as approved by the Commissioner. The respective facilities shall process 100% ductile iron remelt during the tests. This test shall be repeated at least once every five (5) years from the date of valid compliance demonstration. PM10 includes filterable and condensable PM10. Testing shall be conducted in accordance with Section C- Performance Testing.~~

D.2.5 Particulate Control

Pursuant to SSM 057-10672-00002, issued October 20, 1999, and in order to comply with Conditions D.2.1 and D.2.2, the wet collectors, identified as WC-W and WC-E, for particulate control shall be in operation at all times when **these units are in operation and controlling PM/PM10 from the three (3) two (2) casting machines, identified as EU-7, EU-8 and EU-9, three (3) cooling lines, identified as EU-7A, EU-8A and EU-9A, three (3) shakeout units, identified as**

EU-11, EU-12, and EU-13, ~~one (1) vibrating casting conveyor, identified as EU-16, one (1) muller, identified as EU-17, return sand screens~~ **overhead shaker screen**, identified as EU-18, one (1) ~~return sand conveyor system~~ **mag belt/bin top belt**, identified as EU-27, two (2) return sand storage bins **silos (East and West)**, identified as EU-19 and EU-20, one (1) **indoor** bond storage ~~bin silo~~, identified as EU-23, and one (1) **indoor new** sand storage bin, identified as EU-26 are in operation.

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

D.2.6 Visible Emissions Notations

- (a) Visible emission notations of the exhaust from wet collectors WC-W ~~and WC-E~~, exhausting to stacks 003 ~~and 004, respectively~~, shall be performed once per ~~shift~~ **day** during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) ~~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.~~

If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

D.2.7 Parametric Monitoring - Wet Collectors

The Permittee shall record the ~~total static~~ pressure drop across the wet collectors used in conjunction with the ~~three (3)~~ **two (2)** casting machines, identified as ~~EU-7, EU-8 and EU-9, three (3) cooling lines, identified as EU-7A, EU-8A and EU-9A,~~ three (3) shakeout units, identified as EU-11, EU-12, and EU-13, ~~one (1) vibrating casting conveyor, identified as EU-16, one (1) muller, identified as EU-17, return sand screens~~ **overhead shaker screen**, identified as EU-18, one (1) ~~return sand conveyor system~~ **mag belt/bin top belt**, identified as EU-27, two (2) return sand

storage bins ~~silos (East and West)~~, identified as EU-19 and EU-20, one (1) **indoor** bond storage bin ~~silos~~, identified as EU-23, and one (1) **indoor new** sand storage bin, identified as EU-26, at least once per shift ~~day~~ when the casting, ~~cooling~~, shake out, sand grinding and handling processes are in operation. When for any one reading, the pressure drop across the wet collector is outside the normal range of ~~3.0 to 5.0~~ **2.0 to 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~~ **Response to Excursions or Exceedances**. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan—Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a ~~violation of deviation from~~ this permit.

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

~~D.2.8~~ **Wet Collector Inspections**

~~An inspection shall be performed each calendar quarter of all wet collectors controlling the three (3) casting machines, identified as EU-7, EU-8 and EU-9, three (3) cooling lines, identified as EU-7A, EU-8A and EU-9A, and three (3) shake-out units, identified as EU-11, EU-12, and EU-13, the one (1) casting vibrating conveyor, identified as EU-16, one (1) muller, identified as EU-17, return sand screens, identified as EU-18, one (1) return sand conveyor system, identified as EU-27, two (2) return sand storage bins, identified as EU-19 and EU-20, one (1) bond storage bin, identified as EU-23, and one (1) sand storage bin, identified as EU-26. Wet collector inspections shall be performed within three months of installation and every three months thereafter. Inspections required by this condition shall not be performed in consecutive months. All defective or failed wet collector parts shall be replaced.~~

~~D.2.9~~ **D.2.8 Broken or Failed Wet Collector Failure Detection**

~~In the event that wet collector failure has been observed:~~

~~The effected units, identified as EU-7, EU-8, EU-9, EU-7A, EU-8A, EU-9A, EU-11, EU-12, EU-13, EU-16, EU-17, EU-18, EU-19, EU-20, EU-23, EU-26, and EU-27, will be shut down immediately until the failed wet collector units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).~~

In the event that wet collector failure has been observed:

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). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

~~D.2.10~~ **D.2.9 Record Keeping Requirements**

- (a) To document compliance with Condition D.2.6, the Permittee shall maintain records of **daily** visible emission notations of the exhausts from stacks 003 and 004. **The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate**

that day).

- (b) To document compliance with Condition D.2.7, the Permittee shall maintain ~~once per shift~~ **daily** records of the ~~total static~~ pressure drop of wet collectors ~~WC-E and WC-W~~ as required by Condition D.2.7. **The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).**
- ~~(c) To document compliance with Condition D.2.8, the Permittee shall maintain records of the results of the inspections required under Condition D.2.8.~~
- ~~(d)~~ **(c)** All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

~~Note that compliance with Conditions D.1.9(a) and D.1.10 will document and report compliance with Condition D.2.1. As a result, no record keeping or reporting requirements are included for Condition D.2.1 here.~~

SECTION D.3

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: units exhausting to stacks 006 and 007

~~(g)(6) Sand grinding and handling operations, with a maximum capacity of 50 tons per hour of sand and 10.2 tons per hour of castings, consisting of the following equipment:~~

~~One (1) bond storage bin, identified as EU-22, constructed in 1978, with a capacity of 80 tons of premixed casting sand binder, emissions controlled by baghouse BH-2, and exhausting to stack 007;~~

~~(i) One (1) Tumbleblast cleaning operations No. 3 cleaning machine, identified as EU-34, constructed in 2001, with a maximum capacity of 5.6 tons per hour of castings and 15 tons per hour of steel shot, controlled by baghouse BH-2, exhausting to stack 007; consisting of the following equipment:~~

~~(1) One (1) shot blast machine, identified as EU-30, constructed in 1963, emissions controlled by baghouse BH-1, and exhausting to stack 006;~~

~~(2) One (1) shot blast machine, identified as EU-31, constructed in 1992, emissions controlled by baghouse BH-1, and exhausting to stack 006;~~

~~(j) Casting, grinding and finishing operations with a maximum throughput of 5.6 tons per hour of finished castings, consisting of the following equipment:~~

~~(1) Ten (10) grinding units stand grinders, identified as EU-32, constructed in 1965, emissions controlled by baghouse BH-1, and exhausting to stack 006;~~

SECTION D.3

FACILITY OPERATION CONDITIONS (continued)

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

(2) Ten (10) finishing (air-burr **Burr Stations**) units, identified as EU-33, all constructed in 1992, emissions controlled by baghouse BH-1, and exhausting to stack 006

uncontrolled, and exhausting to the general ventilation area.

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

D.3.1 Production Limitation [326 IAC 2-2]

- (a) Pursuant to SSM 057-10672-00002, issued October 20, 1999, the steel scrap and ductile iron re-melt delivered to the: electric induction furnace (EU-3A) and its associated operations [scrap and charge handling and heating, inoculation, pouring/casting (Section D.2), casting/cooling (Section D.2), shakeout (Section D.2), sand grinding and handling (Section D.2), tumbleblast cleaning (Section D.3), casting grinding and finishing (Section D.3), and core manufacturing] shall not exceed 27,900 tons per twelve consecutive month period with compliance determined at the end of each month.
- (b) The PM and PM10 emission limits for stacks 006 and 007 are as follows:

Stack (#): Process/facility (ID)	PM (lb/ton)	PM ₁₀ (lb/ton)
Stack 006: Tumbleblast Cleaning (EU-30 and EU-31) Casting Grinding and Finishing (EU-32 and EU-33)	0.28	0.029
Stack 007: Sand Grinding and Handling (EU-22);	5.65	0.84

Compliance with these limits, in conjunction with Conditions D.1.1(a) and D.2.1(a) [identical to Condition D.3.1(a)], is equivalent to total PM and PM10 emissions (from the entire source) of less than 146.8 and 63.4 tons per year, respectively. Compliance with these limits, and the emissions credits (from the removal of cupola EU-1) of 122 and 97.4 tons per year PM and PM10, respectively, will render the requirements of 326 IAC 2-2 not applicable to the modification completed via SSM 057-10672-00002, issued October 20, 1999.

D.3.1 PSD Minor Limit [326 IAC 2-2]

Pursuant to Significant Permit Modification 057-24460-00002:

- (a) The PM emissions from the baghouse BH-2 controlling the No. 3 cleaning machine (EU-34) shall not exceed 0.17 pounds per ton of iron throughput.
- (b) The PM10 emissions from the baghouse BH-2 controlling the No. 3 cleaning machine (EU-34) shall not exceed 0.02 pounds per ton of iron throughput.
- (c) The PM emissions from the baghouse BH-1 controlling the grinders (EU-32) shall not exceed 0.01 pounds per ton of iron throughput.
- (d) The PM10 emissions from the baghouse BH-1 controlling the grinders (EU-32) shall not exceed 0.0045 pounds per ton of iron throughput.
- (e) The PM emissions from the finishing units (Burr Stations) (EU-33) shall not exceed 0.01 pounds per ton of iron throughput.
- (f) The PM10 emissions from the finishing units (Burr Stations) (EU-33) shall not exceed 0.0045 pounds per ton of iron throughput.

Compliance with these limits and Conditions D.1.1 and D.2.1, combined with PM and PM10 emissions from other emission units, shall limit source-wide PM and PM10 to less than 100 tons per year and render 326 IAC 2-2 (PSD) not applicable.

D.3.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from:

- (a) The ~~tumbleblast cleaning operations~~ **No. 3 Cleaning Machine**, identified as ~~EU-30, and EU-34~~ EU-34, shall not exceed 31.1 pounds per hour when operating at a process weight rate of 20.6 tons per hour.
- (b) The casting grinding and finishing operations, identified as EU-32 and EU-33, shall **each** not exceed 13.0 pounds per hour, when operating at a process weight rate of 5.6 tons per hour, ~~total each~~.

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

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

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

~~Note that the 326 IAC 6-3-2 emission limitation for EU-22 is included as Condition D.2.2(d).~~

D.3.3 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 these facilities and their control devices.

D.3.4 Particulate Control

- (a) Pursuant to SSM 057-10672-00002, issued October 20, 1999, and in order to comply with Conditions D.3.1 and D.3.2:
 - ~~(a)~~(1) The baghouse, identified as BH-1, for particulate control shall be in operation at all times when the ~~two (2) shot blast machines, identified as EU-30 and EU-31,~~ ~~ten (10) nine (9) grinding units, identified as EU-32, and ten (10) finishing (air burr) units, identified as EU-33,~~ are in operation.
 - ~~(b)~~(2) The baghouse, identified as BH-2, for particulate control shall be in operation at all times when the ~~bond storage bin, identified as EU-22~~ **No. 3 Cleaning Machine (EU-34)**, is in operation.
- (b) **In the event that a bag failure is observed in a multi-compartment bag, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.**

D.3.5 Visible Emissions Notations

- (a) Visible emission notations of the exhaust from stacks 006 and 007 shall be performed once per ~~shift~~ **day** during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) ~~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.~~

If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

D.3.6 Parametric Monitoring - Baghouses

The Permittee shall record the ~~total static~~ pressure drop across the baghouses, identified as BH-1 and BH-2, used in conjunction with the ~~bond storage bin, identified as EU-22, two (2) shot blast machines, identified as EU-30 and EU-31, ten (10)~~ **nine (9)** grinding units, identified as EU-32, **and No. 3 Cleaning Machine (EU-34)**, and ~~ten (10)~~ finishing (air burr) units, identified as EU-33, at least once per ~~shift day~~ when the respective facilities are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of ~~2.0 and 4.0~~ **2.0 to 8.0** 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~~ **Response to Excursions or Exceedances**. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a ~~violation of~~ **deviation from** this permit.

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

~~D.3.7~~ Baghouse Inspections

~~An inspection shall be performed each calendar quarter of all bags controlling the bond storage bin, identified as EU-22, two (2) shot blast machines, identified as EU-30 and EU-31, ten (10) grinding units, identified as EU-32, and ten (10) finishing (air burr) units, identified as EU-33. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.~~

~~D.3.8~~ **D.3.7** 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).~~
- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. 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).

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

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

D.3.9 D.3.8 Record Keeping Requirements

- (a) To document compliance with Condition D.3.5, the Permittee shall maintain records of **daily** visible emission notations of the exhausts from stacks 006 and 007. **The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).**
- (b) To document compliance with Condition D.3.6, the Permittee shall maintain ~~once per shift~~ **daily** records of the ~~total static~~ pressure drop **across each baghouse** as required by Condition D.3.6. **The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).**
- ~~(c) To document compliance with Condition D.3.7, the Permittee shall maintain records of the results of the inspections required under Condition D.3.7.~~

- (d) (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

Note that compliance with Conditions D.1.9(a) and D.1.10 will document and report compliance with Condition D.3.1. As a result, no record keeping or reporting requirements are included for Condition D.3.1 here.

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Specifically Regulated Insignificant Activities

- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment cutting torches, soldering equipment, and welding equipment. [40 CFR 52 Subpart P][326 IAC 6-3-2]
- (c) Structural steel and bridge fabrication activities: using 80 tons or less of welding consumables and cutting 200,000 linear feet or less of one inch plate or equivalent. [40 CFR 52 Subpart P][326 IAC 6-3-2]
- (d) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

(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 Particulate [40 CFR 52 Subpart P][326 IAC 6-3-2]

Pursuant to 40 CFR 52 Subpart P, any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and pursuant to 326 IAC 6-3-2(e), 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 to which the provisions of 326 IAC 6-3-2(b) through (d) do not apply, the allowable particulate emission rate from the insignificant brazing, cutting, soldering, welding, and structural steel and bridge fabrication activities shall not exceed 0.551 pounds per hour for a process weight rate of less than 100 pounds per hour.

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

Part 70 Quarterly Report

Source Name: Indiana Ductile, LLC

Source Address: 1600 South 8th Street, Noblesville, Indiana 46060
 Mailing Address: 1600 South 8th Street, Noblesville, Indiana 46060
 Part 70 Permit No.: T 057-13975-00002
 Facility: One (1) 10.2 ton per hour electric induction furnace (EU-3A)
 Parameter: Throughput of metal melted
 Limit: ~~27,900~~ **Less than 22,338** tons ~~steel scrap and ductile of iron re-melt~~ per twelve **(12)** consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1 (metal throughput)	Column 2 (metal throughput)	Column 1 + Column 2 (metal throughput)
	This Month (tons)	Previous 11 Months (tons)	12 Month Total (tons)
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.
- 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: _____ Indiana Ductile, LLC
 Source Address: _____ 1600 South 8th Street, Noblesville, Indiana 46060
 Mailing Address: _____ 1600 South 8th Street, Noblesville, Indiana 46060
 Part 70 Permit No.: _____ T-057-13975-00002
 Facility: _____ entire source
 Parameter: _____ total amount of propane used
 Limit: _____ The total amount of propane used at the source shall not exceed forty-five (45.0) million standard cubic feet (MMSCF) per twelve consecutive month period with compliance determined at the end of each month

YEAR: _____

Month	Column 1 (propane usage)	Column 2 (propane usage)	Column 1 + Column 2 (propane usage)
	This Month (MMSCF)	Previous 11 Months (MMSCF)	12 Month Total (MMSCF)
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

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: _____ Indiana Ductile, LLC
 Source Address: _____ 1600 South 8th Street, Noblesville, Indiana 46060
 Mailing Address: _____ 1600 South 8th Street, Noblesville, Indiana 46060
 Part 70 Permit No.: _____ T 057-13975-00002
 Facility: _____ Core manufacturing operations
 Parameter: _____ Total amount of VOC used (from binder and catalyst)
 Limit: _____ 6.11 tons of VOC per twelve consecutive month period with compliance determined at the end of each month

YEAR: _____

Month	Column 1 (VOC used)	Column 2 (VOC used)	Column 1 + Column 2 (VOC used)
	This Month (tons)	Previous 11 Months (tons)	12 Month Total (tons)
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

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.

Conclusion and Recommendation

The proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Permit Modification No. 057-24460-00002. The staff recommends to the Commissioner that this Part 70 Significant Permit Modification be approved.

**Appendix A: Secondary Metal Production
Iron and Steel Foundry**

Company Name: Indiana Ductile, LLC
Address City IN Zip: 1600 South 8th Street, Noblesville, IN 46060
Permit No.: SPM 057-24460-00002
Reviewer: Alic Bent/EVP

Emission Factors (lbs/unit)									
Description	SCC	PM	PM10	SO ₂	NOx	CO	VOC	Metallic HAPs	Organic HAPs
Melting Dept. - Charge Handling (EU-2)	30400315	0.60	0.36	0.00	0.00	0.00	0.00	0.00	0.00
Melting Dept. - Induction Furnace (EU-3A)	30400303	0.90	0.86	0.00	0.00	0.00	0.00	0.04	0.00
Melting Dept. - Magnesium Treatment (EU-6)	30400321	1.80	1.80	0.00	0.00	0.00	0.01		
Pouring/Casting (EU-8 & EU-9)	30400320	4.20	2.80	0.02	0.01	6.00	0.14	2.64E-03	0.4322
Cooling Lines (EU-8A & EU-9A)	30400325	1.40	1.40	0.00	0.00		1.20		
Casting Shakeout (EU-11, EU-12, EU-13)	30400331	3.20	2.24	0.00	0.00				
Sand Handling (EU-16 through EU-20, EU-22 through EU-24, EU-26 & EU-27)	30400350	3.60	0.54	0.00	0.00	0.00	0.00	0.00	0.00
No. 3 Cleaning Machine (EU-34)	30400340	17.00	1.70	0.00	0.00	0.00	0.00	0.00	0.00
Grinding (EU-32)	30400360	0.01	4.50E-03	0.00	0.00	0.00	0.00	0.00	0.00
Finishing (EU-33)	30400360	0.01	4.50E-03	0.00	0.00	0.00	0.00	0.00	0.00
Shell Core Machines (EU-28)	30400370	1.10	1.10	0.32	0.50	0.00	0.00	0.00	0.00

Particulate Matter Control Efficiencies		
Description	Control Device	Efficiency
Pouring/casting, Shakeout, Sand Handling	Wet collector WC-W	95.0%
Grinding	Baghouse BH-1	99.0%
No. 3 Cleaning Machine	BH-2	99.0%

Note:

AP-42/Fire emission factors were used for calculations .

CO emission factors based on best available information for CO emissions from pouring, cooling and shakeout operations combined.

Metallic HAPs emission factor for pouring/cooling and shakeout combined are from Kennedy Valve Engineering Estimate.

Organic HAPs emission factor for pouring/cooling and shakeout combined are from CERP Study.

**Appendix A: Secondary Metal Production
Iron & Steel Foundry**

Company Name: Indiana Ductile, LLC
Address City IN Zip: 1600 South 8th Street, Noblesville, IN 46060
Permit No.: SPM 057-24460-00002
Reviewer: Alic Bent/EVP

Uncontrolled Potential Emissions (tons/yr)

Process	Maximum Throughput (ton/hr)	PM	PM10	SOx	NOx	CO	VOC	Metallic HAPs	Organic HAPs
Melting Dept. - Charge Handling (EU-2)	10.2	26.81	16.08	0.00	0.00	0.00	0.00	0.00	0.00
Melting Dept. - Induction Furnace (EU-3A)	10.2	40.21	38.42	0.00	0.00	0.00	0.00	1.90	0.00
Melting Dept. - Magnesium Treatment (EU-6)	10.2	80.42	80.42	0.00	0.00	0.00	0.22	0.00	0.00
Pouring/Casting (EU-8 & EU-9)	3.4	62.55	41.70	0.30	0.15	89.35	2.08	3.93E-02	6.44
Cooling Lines (EU-8A & EU-9A)	3.4	20.85	20.85	0.00	0.00		17.87		
Casting Shakeout (EU-11, EU-12, EU-13)	3.4	47.65	33.36	0.00	0.00	0.00	0.00	0.00	0.00
Sand Handling (EU-16 through EU-20, EU-22 through EU-24 & EU-26)	100.0	1576.80	236.52	0.00	0.00	0.00	0.00	0.00	0.00
No. 3 Cleaning Machine (EU-34)	5.6	416.98	41.70	0.00	0.00	0.00	0.00	0.00	0.00
Grinding (EU-32)	5.6	0.25	0.11	0.00	0.00	0.00	0.00	0.00	0.00
Finishing (EU-33)	5.6	0.25	0.11	0.00	0.00	0.00	0.00	0.00	0.00
Shell Core Machines (EU-28)	0.34	1.64	1.64	0.48	0.74	0.00	0.00	0.00	0.00
Propane Combustion	N/A	0.22	0.22	0.02	2.93	2.46	0.16	0.00	0.00
Total Uncontrolled Emissions (tons/yr)		2274.39	510.90	0.77	0.89	89.35	20.18	1.94	6.44

Controlled/ Limited Emissions (tons/yr)

Process	Limited Throughput (ton/hr)	PM	PM10	SOx	NOx	CO	VOC	Metallic HAPs	Organic HAPs
Melting Dept. - Charge Handling (EU-2)	2.55	6.70	4.02	0.00	0.00	0.00	0.00	0.00	0.00
Melting Dept. - Induction Furnace (EU-3A)	2.55	10.05	9.61	0.00	0.00	0.00	0.00	0.47	0.00
Melting Dept. - Magnesium Treatment (EU-6)	2.55	20.10	20.10	0.00	0.00	0.00	0.06	0.00	0.00
Sand Handling "A" Shaker (EU-16)	2.55	3.91	3.35	0.00	0.00	0.00	0.00	0.00	0.00
Cooling Lines (EU-8A & EU-9A)	2.55	4.47	4.47	0.00	0.00	67.01	1.56	2.95E-04	4.83
Pouring/Casting (EU-8 & EU-9)	2.55	51.38	51.38	0.22	0.11		13.40		
Casting Shakeout (EU-11, EU-12, EU-13)	2.55			0.00	0.00	0.00	0.00	0.00	0.00
Sand Handling (EU-17 through EU-20, EU-22 through EU-24 & EU-26)	15.3			0.00	0.00	0.00	0.00	0.00	0.00
No. 3 Cleaning Machine (EU-34)	1.28	0.95	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Grinding (EU-32)	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Finishing (EU-33)	1.28	0.06	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Shell Core Machines (EU-28)	0.34	1.64	1.64	0.48	0.74	0.00	0.00	0.00	0.00
Propane Combustion	N/A	0.22	0.22	0.02	2.93	2.46	0.16	0.00	0.00
Total Controlled Emissions (tons/yr)		99.48	94.90	0.72	3.79	69.47	15.18	0.47	4.83

Note:

Potential Emissions (lb/hr) = Emission Factor (lb/ton) * Material throughput (ton/hr)*8760 hr/yr * 1/2000 ton/lb