



Mitchell E. Daniels, Jr.  
Governor

Thomas W. Easterly  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
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TO: Interested Parties / Applicant  
DATE: November 22, 2006  
RE: Manchester Metals / 169-23221-00019  
FROM: Nisha Sizemore  
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 13-17-3-4 and 326 IAC 2, this permit modification is effective immediately, unless a petition for stay of effectiveness is filed and granted, 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 4-21.5-3-7 and IC 13-15-7-3 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 Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) 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.

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of a Title V operating permit or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impracticable to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency  
401 M Street  
Washington, D.C. 20406

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.



# 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  
Indianapolis, Indiana 46204-2251  
(317) 232-8603  
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Mr. David L. Boyd  
Manchester Metals, LLC  
P.O. Box 345  
North Manchester, IN 46962-0345

November 22, 2006

Re: **169-23221-00019**  
Third Significant Permit Modification to  
**Part 70 No.: T 169-9014-00019**

Dear Mr. Boyd:

Manchester Metals, LLC was issued a Part 70 Operating Permit T 169-9014-00019 on May 14, 2002 for a stationary gray iron and steel foundry source located at 205 Wabash Road, North Manchester, Indiana 46962. A letter requesting changes to this permit was received on May 9, 2006. 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 Permittee has applied to operate the following facilities at the existing source:

- (a) One (1) isocure process, constructed in 2005, identified as ICM-1c, capacity: 0.75 tons of sand per hour, 22.5 pounds of isocure per hour, and 2.25 pounds of catalyst (Dimethylethylamine) per hour.
- (b) One (1) isocure process, constructed in 2006, identified as L-20, including a sand handling operation and an isocure core machine, identified as ICM-2, with catalyst emissions controlled by a fume scrubber, exhausting to stack LA-1, capacity: 1.5 tons of sand per hour, 45 pounds of resin per hour, and 4.5 pounds of non-HAP catalyst per hour.

The changes in the Part 70 Operating Permit are documented in the Technical Support Document. All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire revised Title V Operating Permit, with all modifications and amendments will be provided upon approval.

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 CarrieAnn Paukowits, c/o OAQ, 100 North Senate Avenue, Indianapolis, Indiana 46204-2251, at 631-691-3395 ext. 18 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Original Signed By:  
Nisha Sizemore, Chief  
Permits Branch  
Office of Air Quality

CAP/MES

Attachments

cc: File - Wabash County  
U.S. EPA, Region V  
Wabash County Health Department  
Air Compliance Section Inspector - Ryan Hillman  
Compliance Branch  
Administrative and Development Section  
Technical Support and Modeling - Michele Boner  
WD Gabbard, Gabbard Environmental Services, Inc.



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PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

Manchester Metals, LLC
205 Wabash Road
North Manchester, Indiana 46962

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Table with permit details including Operation Permit No., Issued by, Issuance Date, Expiration Date, and various amendments.

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## SECTION A

## SOURCE SUMMARY

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

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

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The Permittee owns and operates a stationary gray iron and steel foundry source.

Responsible Official:	David L. Boyd
Source Address:	205 Wabash Road, North Manchester, Indiana 46962
Mailing Address:	P.O. Box 345, North Manchester, Indiana 46962
General Source Phone Number:	(260) 982-2191
SIC Code:	3321
County Location:	Wabash
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major 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)]

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

- (a) One (1) scrap handling process, constructed in 1968, including one (1) bridge crane and one (1) scale, identified as process SI, not exhausting through a stack, maximum rated capacity: 10 tons of metal per hour.
- (b) One (1) melting and casting process consisting of the following emission units and pollution control devices:
  - (1) One (1) 1.16 million British thermal unit per hour natural gas-fired scrap charge preheater, constructed in 1970, identified as CP, exhausting inside the building, some emissions controlled by the general ventilation baghouse DC1, and exiting through the general building exhaust and at stack S1.
  - (2) Three (3) electric induction (scrap iron) furnaces, constructed in 1973 and modified in 1995, identified as IF1, IF2, and IF3, exhausting inside the building, some emissions controlled by the general ventilation baghouse DC1, and exiting through the general building exhaust and at stack S1, maximum charge rate: 6.5 tons of iron per hour, total.
  - (3) One (1) electric induction (stainless steel) furnace, constructed in 1966, identified as IF4, maximum charge rate: 1.0 ton per hour.
  - (4) Four (4) natural gas-fired ladle heaters, constructed in 1970, identified as LH1, LH2, LH3, and LH4, combined maximum capacity: 2.6 million British thermal units per hour, total.
  - (5) One (1) molding, pouring and cooling line, identified as the disamatic molding/

- pouring line, part of operation MP, constructed in 1993, with no controls on emissions and the emissions are exhausted via the production building general ventilation, capacity: 30 tons of molding sand and 5 tons of metal per hour.
- (6) One (1) molding, pouring and cooling line, identified as the disaforma molding/pouring line, part of operation MP, constructed in 1986, with no controls on emissions and the emissions are exhausted via the production building general ventilation, capacity: 60 tons of molding sand and 10 tons of metal per hour.
  - (7) One (1) molding, pouring and cooling line, identified as the pallet line and floor stations, part of operation MP, constructed prior to 1973, with no controls on emissions and the emissions are exhausted via the production building general ventilation, capacity: 6 tons of molding sand and 1 ton of metal per hour.
- (c) One (1) shakeout operation, constructed in 1973, identified as operation CCS, with PM and PM<sub>10</sub> emissions controlled by baghouse DC2 and exhausting through stack S2, maximum capacity: 80 tons of sand and 10 tons of metal per hour.
- (d) One (1) cleaning and finishing process consisting of the following emission units and pollution control devices:
- (1) One (1) casting cleaner shotblaster, constructed in 1968, identified as CCL1, with PM and PM<sub>10</sub> emissions controlled by baghouse DC4 and exhausting through stack S4, maximum capacity: 1.0 ton of castings per hour.
  - (2) One (1) casting cleaner shotblaster, constructed in 1968, identified as CCL2, with PM and PM<sub>10</sub> emissions controlled by baghouse DC6 and exhausting through stack R5, maximum capacity: 3.0 tons of castings per hour.
  - (3) One (1) shot blast cleaner, constructed in 1974, identified as CCL3, with PM and PM<sub>10</sub> emissions controlled by baghouse DC7 and exhausting through stack S10, maximum capacity: 2.5 tons of castings per hour.
  - (4) Seven (7) pedestal wheel grinders, with six (6) constructed in 1993 and one (1) constructed in 1994, identified as GR1, GR2, GR5, GR6, GR7, GR8, and GR9, with PM and PM<sub>10</sub> emissions from all of the grinders controlled by baghouse DC6 and exhausting through stack R5, maximum throughput: 0.25 ton of castings per hour, each.
  - (5) Two (2) dual wheel grinders, constructed in 1993, identified as GR3 and GR4, with PM and PM<sub>10</sub> emissions from both grinders controlled by baghouse DC6 and exhausting through stack R5, maximum throughput: 0.5 ton of castings per hour, each.
  - (6) One (1) 3.2 million British thermal unit per hour natural gas-fired annealing oven, constructed in 1967, identified as HT1, exhausting through stack S9, maximum capacity: 1.5 tons of iron per hour.
- (e) One (1) sand handling process consisting of the following emission units and pollution control devices:
- (1) One (1) muller, constructed in 1987, identified as SH, with PM and PM<sub>10</sub> emissions controlled by baghouse DC3 and exhausting through stack S6 or S6R, maximum capacity: 100 tons of sand per hour.

- (2) One (1) mold sand handling system, constructed in 1965, identified as MSH, with PM and PM<sub>10</sub> emissions controlled by baghouse DC3 and exhausting through stack S6, maximum capacity: 50 tons of sand per hour.
- (3) One (1) core sand handling system, constructed in 1970, identified as CSH, exhausting through stack I3 with some particulate exhausting through small filters, capacity: 50 tons of sand per hour.
- (f) One (1) core and mold preparation process consisting of the following emission units and pollution control devices:
  - (1) Two (2) mold making lines, identified as DM1, one constructed in 1986 with a capacity of 60 tons of sand per hour and one constructed in 1993 with a capacity of 30 tons of sand per hour. Only sand, clay and water are used in the mold making operation.
  - (2) One (1) pallet molding operation, constructed in 1965, capacity: 5 tons of sand per hour. Only sand, clay and water are used in the mold making operation.
  - (3) Ten (10) shell core making machines, seven (7) constructed in 1981 and three (3) constructed in 2005, identified as SCM, capacity: 2.0 tons of pre-mixed sand per hour, total.
  - (4) One (1) air set core machine, constructed in 1997, identified as ACM, capacity: 1.5 tons of sand, 3.91 pounds of alphaset and 1.30 pounds of alphacure per hour.
  - (5) One (1) isocure operation, identified as ICM-1, with catalyst emissions controlled by a fume scrubber, exhausting through stack S8, including the following:
    - (A) Two (2) isocure processes, constructed in 1980, identified as ICM-1a and ICM-1b, capacity: 1.0 ton of sand per hour, 30 pounds of resin per hour, and 3 pounds of catalyst (Dimethylethylamine) per hour, each.
    - (B) One (1) isocure process, constructed in 2005, identified as ICM-1c, capacity: 0.75 tons of sand per hour, 22.5 pounds of isocure per hour, and 2.25 pounds of catalyst (Dimethylethylamine) per hour.
  - (6) One (1) isocure process, constructed in 2006, identified as L-20, including a sand handling operation and an isocure core machine, identified as ICM-2, with catalyst emissions controlled by a fume scrubber, exhausting to stack LA-1, capacity: 1.5 tons of sand per hour, 45 pounds of resin per hour, and 4.5 pounds of non-HAP catalyst per hour.
  - (7) One (1) 0.5 million British thermal unit per hour (MMBtu/hr) natural gas-fired core baking oven, constructed in 1970, identified as CM Oven, exhausting through two (2) stacks, identified as S7A and S7B.
- (g) Inoculation operations, operating since approximately 1973, exhausting inside the building, with some emissions controlled by the general ventilation baghouse DC1, and exiting through the general building exhaust and at stack S1, capacity: 10 tons of metal per hour.

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

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

- (a) Degreasing operations that do not exceed 145 gallons per 12 month period, except if subject to 326 IAC 20-6, including one (1) parts washer, constructed in 1987, equipped with a lid. There are no halogenated solvents used in the degreasing operations. [326 IAC 8-3-2]
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3]
- (c) Any of the following structural steel activities, constructed in 1980:
  - (1) Cutting 200,000 linear feet or less of one inch (1") plate or equivalent. [326 IAC 6-3]
  - (2) Using 80 tons or less of welding consumables. [326 IAC 6-3]
- (d) Grinding and machining operations, constructed in 1980, controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6-3]
- (e) Other activities or categories not previously identified with potential, uncontrolled emissions equal to or less than insignificant activity thresholds:
  - (1) Maintenance painting, constructed in 1980; core making. [326 IAC 6-3]
  - (2) Receipt, unloading, storage of molding sand. [326 IAC 6-3]
  - (3) Pattern Shop woodworking activities, constructed in 1973. [326 IAC 6-3]

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

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

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

## **SECTION B GENERAL CONDITIONS**

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

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

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

- (a) This permit, 169-9014-00019, 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, 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  
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]**

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

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

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

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

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]**

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

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

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

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

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,  
Compliance Section), or  
Telephone Number: 317-233-0178 (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  
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) In addition to the nonapplicability determinations set forth in Sections D of this permit, the IDEM, OAQ has made the following determinations regarding this source:

The requirement from F 169-6298-00019, issued on June 25, 1997, Condition C.1, listing requirements pursuant to 326 IAC 2-8, is not applicable because this source has requested a Title V, Part 70, Operating Permit. Therefore, the source is subject to 326 IAC 2-7, Part 70, and the 326 IAC 2-8, FESOP, limits are not required.

- (c) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (d) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (e) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
  - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

- (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
  - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
  - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (f) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
  - (g) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
  - (h) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

**B.13** Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to 169-9014-00019 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  
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  
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  
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  
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 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  
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 Matter 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), the 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 one hundred (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. 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 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.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  
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 14-10-4, 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) **Indiana Accredited Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited, pursuant to the provisions of 40 CFR 61, Subpart M, is federally enforceable.

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

### C.8 Performance Testing [326 IAC 3-6]

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

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

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

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

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The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements. 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)]

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

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

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 Aresponsible 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 Maintenance of Emission Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]**

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

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

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

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

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- (a) 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.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

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

- (a) The Permittee 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  
Indianapolis, Indiana 46204-2251

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

The ERP does require the certification by the Aresponsible 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]**

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

- (a) A compliance schedule for meeting the requirements of 40 CFR 68; or
- (b) As a part of the annual compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP).

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

**C.16 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]**

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- (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.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 documents submitted pursuant to this condition do require the certification by the Aresponsible official<sup>®</sup> as defined by 326 IAC 2-7-1(34).

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

**C.18 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]**

- (a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year 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) (ARegulated pollutant, which is used only for purposes of Section 19 of this rule<sup>®</sup>) from the source, for purpose of fee assessment.

The statement must be submitted to:

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

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

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

C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

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- (a) Records of all required data, reports and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years. 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) If there is a reasonable possibility that a “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a “major modification” (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm))”, the Permittee shall comply with following:
  - (1) Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:
    - (A) A description of the project.
    - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
    - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
      - (i) Baseline actual emissions;
      - (ii) Projected actual emissions;
      - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2) (A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(iii)”; and
      - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
  - (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
  - (3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular

operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.20 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 Aresponsible official® as defined by 326 IAC 2-7-1(34).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the Aresponsible 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.
- (f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C - General Record Keeping Requirements for any “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
  - (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C - General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1(xx) and/or 326 IAC 2-3-1(qq)), for that regulated NSR pollutant, and
  - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:

- (1) The name, address, and telephone number of the major stationary source.
- (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C - General Record Keeping Requirements.
- (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
- (4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management  
Air Compliance Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

- (h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C - General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ, under 326 IAC 17.1.

### **Stratospheric Ozone Protection**

#### **C.21 Compliance with 40 CFR 82 and 326 IAC 22-1**

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

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

## SECTION D.1 FACILITY OPERATION CONDITIONS

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

- (a) One (1) scrap handling process, constructed in 1968, including one (1) bridge crane, and one (1) scale, identified as process SI, not exhausting through a stack, maximum rated capacity: 10 tons of metal per hour.

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

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

#### D.1.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the scrap handling process shall not exceed 19.2 pounds per hour, when operating at a process weight rate of 10 tons of metal per hour.

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

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

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

#### D.1.2 Nonapplicable Conditions

Condition D.1.2 from F 169-6298-00019, issued on June 25, 1997, which states that the particulate matter (PM) emissions to the atmosphere from the scrap handling process shall be limited to 0.68 pounds per hour, and that the level of contaminants in the scrap used shall be equal or lower than that used during the last stack test which demonstrated compliance, is not incorporated because the limit in the FESOP was truncated so that the total of all hourly emission limits, when operating 8,760 hours per year, would result in a potential to emit PM and PM<sub>10</sub> less than 100 tons per year. Since this source is a major source pursuant to 326 IAC 2-2, PSD, and 326 IAC 2-7, Part 70, the truncated hourly limits are not necessary. The facility will be required to comply with the hourly PM emission limit in Condition D.1.1. Therefore, Condition D.1.2 from F 169-6298-00019 is hereby rescinded.

#### 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 this facility.

### Compliance Determination Requirements

There are no specific Compliance Determination Requirements applicable to these emission units.

### 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 scrap handling exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) 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 Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

**D.1.5 Record Keeping Requirements**

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- (a) To document compliance with Condition D.1.4, the Permittee shall maintain records of visible emission notations of the scrap handling exhaust once per day.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

## SECTION D.2

## FACILITY OPERATION CONDITIONS

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

- (b) One (1) melting and casting process consisting of the following emission units and pollution control devices:
- (1) One (1) 1.16 million British thermal unit per hour natural gas-fired scrap charge preheater, constructed in 1970, identified as CP, exhausting inside the building, some emissions controlled by the general ventilation baghouse DC1, and exiting through the general building exhaust and at stack S1.
  - (2) Three (3) electric induction (scrap iron) furnaces, constructed in 1973 and modified in 1995, identified as IF1, IF2, and IF3, exhausting inside the building, some emissions controlled by the general ventilation baghouse DC1, and exiting through the general building exhaust and at stack S1, maximum charge rate: 6.5 tons of iron per hour, total.
  - (3) One (1) electric induction (stainless steel) furnace, constructed in 1966, identified as IF4, maximum charge rate: 1.0 ton per hour.
  - (4) Four (4) natural gas-fired ladle heaters, constructed in 1970, identified as LH1, LH2, LH3, and LH4, combined maximum capacity: 2.6 million British thermal units per hour, total.
  - (5) One (1) molding, pouring and cooling line, identified as the disamatic molding/pouring line, part of operation MP, constructed in 1993, with no controls on emissions and the emissions are exhausted via the production building general ventilation, capacity: 30 tons of molding sand and 5 tons of metal per hour.
  - (6) One (1) molding, pouring and cooling line, identified as the disaforma molding/pouring line, part of operation MP, constructed in 1986, with no controls on emissions and the emissions are exhausted via the production building general ventilation, capacity: 60 tons of molding sand and 10 tons of metal per hour.
  - (7) One (1) molding, pouring and cooling line, identified as the pallet line and floor stations, part of operation MP, constructed prior to 1973, with no controls on emissions and the emissions are exhausted via the production building general ventilation, capacity: 6 tons of molding sand and 1 ton of metal per hour.

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

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

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

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the three (3) electric induction furnaces for melting iron (IF1 through IF3) shall not exceed 14.4 pounds per hour when operating at a process weight rate of 6.5 tons of metal per hour, total.
- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the molding, pouring and cooling operations at the one (1) disamatic molding/pouring line (part of MP) shall not exceed 41.3 pounds per

hour, when operating at a process weight rate of 35 tons of sand and metal per hour.

- (c) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the molding, pouring and cooling operations at the one (1) disaforma molding/pouring line (part of MP) shall not exceed 47.8 pounds per hour, when operating at a process weight rate of 70 tons of sand and metal per hour.
- (d) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the molding, pouring and cooling operations at the one (1) pallet line and floor stations (part of MP) shall not exceed 15.1 pounds per hour, when operating at a process weight rate of 7.0 tons of sand and metal per hour.

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

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

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

or

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.2.2 PSD Minor Modification Limit [326 IAC 2-2] [40 CFR 52.21]

- (a) The iron throughput to the total of the four (4) electric induction furnaces, IF1 through IF4, shall not exceed 34,700 tons per consecutive twelve (12) month period, where each ton of steel melted is equal to one tenth (0.1) ton of iron throughput. The PM emissions shall not exceed 0.9 pound per ton when melting iron and 0.1 pound per ton when melting steel, and the PM<sub>10</sub> emissions shall not exceed 0.86 pound per ton when melting iron and 0.09 pound per ton when melting steel. Therefore, the potential to emit PM shall be limited to 15.7 tons per year, which is less than 25 tons per year, and the potential to emit PM<sub>10</sub> shall be limited to 14.9 tons per year, which is less than 15 tons per year, from the total of the four (4) furnaces, IF1 through IF4, and this modification was a minor modification to an existing major source, pursuant to 326 IAC 2-2, PSD, and 40 CFR 52.21.
- (b) The throughput of metal at the one (1) disaforma molding/pouring line shall not exceed 11,826 tons per consecutive twelve (12) month period, the PM emission rate shall not exceed 4.2 pounds per ton of metal throughput, and the PM<sub>10</sub> emission rate shall not exceed 2.06 pounds per ton of metal throughput. This will limit the potential to emit of PM and PM<sub>10</sub> from the combination of this facility and the one (1) mold making line, also constructed in 1986, to less than 25 tons per year and 15 tons per year, respectively. Therefore, this modification is a minor modification to an existing major source, and the requirements of 326 IAC 2-2, PSD, and 40 CFR 52.21 are not applicable.
- (c) The throughput of metal at the one (1) disamatic molding/pouring line shall not exceed 7,750 tons per consecutive twelve (12) month period, the PM emission rate shall not exceed 4.2 pounds per ton of metal throughput, and the PM<sub>10</sub> emission rate shall not exceed 2.06 pounds per ton of metal throughput. This will limit, in combination with the limit in Condition D.3.2, shall limit the potential to emit PM from the total of the seven (7) pedestal wheel grinders, identified as GR1, GR2, GR5, GR6, GR7, GR8, and GR9, two

(2) dual wheel grinders, identified as GR3 and GR4, one (1) disamatic molding/pouring line, and the one (1) mold making line, identified as part of DM1, all considered part of the same modification, to less than 25 tons per year and the potential to emit PM<sub>10</sub> to less than 15 tons per year from this modification. Therefore, this modification is a minor modification to an existing major source, and the requirements of 326 IAC 2-2, PSD, and 40 CFR 52.21 are not applicable.

#### D.2.3 Nonapplicable Conditions

- (a) Operation Conditions 6(a) and 9 from CP 169-4073-00019, issued on November 21, 1995, which require that particulate matter (PM) emissions from the baghouse shall be limited to 12.5 pounds per hour, the pressure drop across the baghouse shall remain within the range of 2 - 10 inches of water, the pressure drop records shall be recorded every hour and made available upon request, the Permittee shall inspect the system and air pollution control device in accordance with the manufacturer's specifications, the opacity from the baghouse shall not exceed ten percent (10%) for any six minute average, and the dust collectors (baghouses) shall be in operation at all times the Nos. 1-3 Mainline furnaces are in operation, are not incorporated into this permit because operation of the baghouse is not required to demonstrate compliance with any rules or limitations and a ten percent (10%) opacity limit is not required to show compliance with any applicable rule. Therefore, Operation Conditions 6(a) and 9 from CP 169-4073-00019, issued on November 21, 1995, are hereby rescinded.
- (b) Operation Condition D.2.2 from F 169-6298-00019, issued on June 25, 1997, which states that the particulate matter (PM) emissions from the metal melting and casting process shall be limited to 8.82 pounds per hour, is not incorporated because the limit in the FESOP was truncated so that the total of all hourly emission limits, when operating 8,760 hours per year, would result in a potential to emit PM less than 100 tons per year. This source is a major source pursuant to 326 IAC 2-7, Part 70. Therefore, no truncated pound per hour emission limit is necessary and the melting operations must comply with the hourly emission limitations in Condition D.2.1. Therefore, Condition D.2.2 from F 169-6298-00019 is hereby rescinded.
- (c) Operation Condition D.2.3 from F 169-6298-00019, issued on June 25, 1997, which states that the PM<sub>10</sub> emissions from the scrap charge preheater, identified as CP, and three scrap iron electric induction furnaces, identified as IF1, IF2, and IF3, controlled by baghouse DC1, shall be limited to 6.18 pounds per hour, and the PM<sub>10</sub> emissions from the pouring line operation, identified as MP, and the shakeout operation, identified as CCS, both controlled by baghouse DC2, shall be limited to 3.37 pound per hour, is not applicable because the PM<sub>10</sub> limit in the FESOP existed so that the total of all hourly emission limits, when operating 8,760 hours per year, would result in a potential to emit PM<sub>10</sub> less than 100 tons per year. This source is a major source pursuant to 326 IAC 2-7, Part 70. Therefore, Operation Condition D.2.3 from F 169-6298-00019 is hereby rescinded.
- (d) Operating Conditions D.2.5, D.2.7 and D.2.9 of F 169-6298-00019, issued on June 25, 1997, and AAF 169-8859-00019, issued on October 2, 1997, which require that each control unit associated with the melting and casting process shall be operated at all times the equipment are in operation and compliance monitoring and reporting for these processes and baghouse DC1, are not applicable because operation of the baghouse (DC1) is not required for the melting operations to comply with any applicable rules or conditions of this proposed permit, as explained in (a) of this Condition.

#### D.2.4 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 and their control devices.

## Compliance Determination Requirements

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

During the period between 30 and 36 months after issuance of this permit, in order to demonstrate compliance with Condition D.2.2(a), the Permittee shall perform PM and PM<sub>10</sub> testing to verify that the furnaces are in compliance with the pound per ton emission limits in Condition D.2.2(a), when melting steel and iron, utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C- Performance Testing. PM<sub>10</sub> includes filterable and condensable PM<sub>10</sub>.

## 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 general building ventilation baghouse stack (S1) and the general building exhausts shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) 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 Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

### D.2.7 Record Keeping Requirements

- (a) To document compliance with Condition D.2.6, the Permittee shall maintain records of visible emission notations of the general building ventilation baghouse stack (S1) and the general building exhausts once per day.
- (b) To document compliance with Condition D.2.2, the Permittee shall maintain monthly records of the metal throughput at the disaforma molding/pouring line, the disamatic molding/pouring line, and the total of the four (4) furnaces, IF1 through IF4.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

### D.2.8 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.2 shall be submitted to the address 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 Aresponsible official® as defined by 326 IAC 2-7-1(34).

## SECTION D.3 FACILITY OPERATION CONDITIONS

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

- (c) One (1) shakeout operation, constructed in 1973, identified as operation CCS, with PM and PM<sub>10</sub> emissions controlled by baghouse DC2 and exhausting through stack S2, maximum capacity: 80 tons of sand and 10 tons of metal per hour.
- (d) One (1) cleaning and finishing process consisting of the following emission units and pollution control devices:
  - (1) One (1) casting cleaner shotblaster, constructed in 1968, identified as CCL1, with PM and PM<sub>10</sub> emissions controlled by baghouse DC4 and exhausting through stack S4, maximum capacity: 1.0 ton of castings per hour.
  - (2) One (1) casting cleaner shotblaster, constructed in 1968, identified as CCL2, with PM and PM<sub>10</sub> emissions controlled by baghouse DC6 and exhausting through stack R5, maximum capacity: 3.0 tons of castings per hour.
  - (3) One (1) shot blast cleaner, constructed in 1974, identified as CCL3, with PM and PM<sub>10</sub> emissions controlled by baghouse DC7 and exhausting through stack S10, maximum capacity: 2.5 tons of castings per hour.
  - (4) Seven (7) pedestal wheel grinders, with six (6) constructed in 1993 and one (1) constructed in 1994, identified as GR1, GR2, GR5, GR6, GR7, GR8, and GR9, with PM and PM<sub>10</sub> emissions from all of the grinders controlled by baghouse DC6 and exhausting through stack R5, maximum throughput: 0.25 ton of castings per hour, each.
  - (5) Two (2) dual wheel grinders, constructed in 1993, identified as GR3 and GR4, with PM and PM<sub>10</sub> emissions from both grinders controlled by baghouse DC6 and exhausting through stack R5, maximum throughput: 0.5 ton of castings per hour, each.
  - (6) One (1) 3.2 million British thermal unit per hour natural gas-fired annealing oven, constructed in 1967, identified as HT1, exhausting through stack S9, maximum capacity: 1.5 tons of iron per hour.

(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 Particulate [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the shakeout operations (CCS) exhausting to baghouse DC2 shall not exceed 50.2 pounds per hour, when operating at a process weight rate of 90 tons of sand and metal per hour.
- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the shotblaster (CCL1) exhausting to baghouse DC4 shall not exceed 4.10 pounds per hour, when operating at a process weight rate of 1.0 ton of castings per hour.

- (c) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the shotblaster (CCL2) exhausting to baghouse DC6 shall not exceed 8.56 pounds per hour, when operating at a process weight rate of 3.0 tons of castings per hour.
- (d) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the seven (7) pedestal wheel grinders (GR1, GR2, GR5, GR6, GR7, GR8 and GR9) exhausting to baghouse DC6 shall not exceed 5.97 pounds per hour, total, when operating at a process weight rate of 1.75 tons of castings per hour, total.
- (e) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the two (2) dual wheel grinders (GR3 and GR4) exhausting to baghouse DC6 shall not exceed 4.10 pounds per hour, total, when operating at a process weight rate of 1.0 ton of castings per hour, total.
- (f) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the shotblaster (CCL3) exhausting to baghouse DC7 shall not exceed 7.58 pounds per hour, when operating at a process weight rate of 2.5 tons of castings per hour.

The pounds per hour limitations for (b) through (f) 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:

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

The pounds per hour limitation for (a) was calculated with the following equation:

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

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

#### D.3.2 PSD Minor Modification Limit [326 IAC 2-2] [40 CFR 52.21]

The total throughput of castings at the seven (7) pedestal wheel grinders shall not exceed 10,220 tons per twelve (12) consecutive month period and the total throughput of castings at the two (2) dual wheel grinders shall not exceed 5,840 tons per twelve (12) consecutive month period, the potential to emit PM shall be limited to less than 2.40 pounds per hour and the potential to emit PM<sub>10</sub> shall be limited to less than 2.40 pounds per hour. This limit, in combination with Condition D.2.2(c), shall limit the potential to emit PM from the total of the seven (7) pedestal wheel grinders, identified as GR1, GR2, GR5, GR6, GR7, GR8, and GR9, two (2) dual wheel grinders, identified as GR3 and GR4, one (1) disamatic molding/pouring line, and the one (1) mold making line, identified as part of DM1, all considered part of the same modification, to less than 25 tons per year and the potential to emit PM<sub>10</sub> to less than 15 tons per year from this modification. Therefore, this modification is a minor modification to an existing major source, and the requirements of 326 IAC 2-2, PSD, and 40 CFR 52.21 are not applicable.

#### D.3.3 Nonapplicable Conditions

- (a) Operation Condition D.3.2 from F 169-6298-00019, issued on June 25, 1997, which states that, pursuant to 326 IAC 6-3-2 (Process Operations), the particulate matter (PM) emissions from the facilities and operations of the metal cleaning and finishing process

shall be limited to 9.95 pounds per hour, is not applicable because each cleaning and finishing process has a separate PM emission limitation pursuant to 326 IAC 6-3-2, Process Operations, as specified in Condition D.3.1. Therefore, Condition D.3.2 of F 169-6298-00019 is hereby rescinded.

- (b) Operation Condition D.3.3 from F 169-6298-00019, issued on June 25, 1997, and AAF 169-8859-00019, issued on October 2, 1997, which states that the PM<sub>10</sub> emissions from the shakeout operation, identified as CCS, and the pouring line operation of the melting and casting process, identified as Unit MP, both controlled by baghouse DC2, shall be limited to 3.37 pounds per hour, the PM<sub>10</sub> emissions from the casting cleaner shotblaster, identified as CCL1, controlled by baghouse DC5, shall be limited to 1.12 pounds per hour, the PM<sub>10</sub> emissions from the casting cleaner shotblaster, identified as CCL2, controlled by baghouse DC-6, shall be limited to 0.75 pounds per hour, the PM<sub>10</sub> emissions from the shot blast cleaner, identified as CCL3, controlled by baghouse DC7, shall be limited to 1.5 pounds per hour, the PM<sub>10</sub> from the seven (7) pedestal wheel grinders, identified as GR1, GR2, GR5, GR6, GR7, GR8, and GR9, and the two (2) dual wheel grinders, identified as GR3, and GR4, all controlled by baghouse DC6, shall be limited to 1.68 pounds per hour, is not applicable because the PM<sub>10</sub> limit in the FESOP existed so that the total of all hourly emission limits, when operating 8,760 hours per year, would result in a potential to emit PM<sub>10</sub> less than 100 tons per year. This source is a major source pursuant to 326 IAC 2-7, Part 70. The PM<sub>10</sub> emissions from facilities constructed after August 7, 1977, are limited in Condition D.3.2 to make those modifications minor modifications to an existing major source. Therefore, the PM<sub>10</sub> emission limitations from this previous permit are not required, and Operation Condition D.3.3 of F 169-6298-00019 is hereby rescinded.
- (c) Operation Conditions D.3.5, D.3.6, D.3.8 and D.3.9 of F 169-6298-00019, issued on June 25, 1997, and AAF 169-8859-00019, issued on October 2, 1997, which state that baghouses DC4, DC5 and DC7 shall be operated with the pressure drop range of 4-6 inches of water across the baghouse and these parameters shall be monitored daily when each control unit is in operation, daily visible emission notations of the units shall be performed, a Preventive Maintenance Plan is required of the facilities, the Permittee shall maintain daily records at baghouses DC4, DC5 and DC7 of the inlet and outlet differential static pressure, clean operational status, blower operational status, and visible observations, and a quarterly summary of this information shall be submitted, is not applicable because, although, all of the baghouses (DC2, DC5, DC6 and DC7) must be operated at all times when the equipment listed as exhausting to that baghouse is in operation in order for each facility to comply with 326 IAC 6-3-2, Process Operations, the facilities exhausting to baghouses DC4, DC5 and DC6 have allowable PM emission rates less than ten (10) pounds per hour and there are no limits keeping the facilities out of a particular rule. Baghouse DC4 does not exist at this source. Therefore, there is no Preventive Maintenance Plan or mandatory Compliance Monitoring for those facilities and the associated baghouses (DC4, DC5 and DC7), and Conditions D.3.5, D.3.6, D.3.8 and D.3.9 of F 169-6298-00019 are hereby rescinded.

#### D.3.4 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 the shakeout operations (CCS), the seven (7) pedestal wheel grinders, identified as GR1, GR2, GR5, GR6, GR7, GR8, and GR9, and the two (2) dual wheel grinders, identified as GR3, and GR4, and their control devices.

## Compliance Determination Requirements

### D.3.5 Particulate Control (PM and PM<sub>10</sub>) [326 IAC 2-7-6(6)]

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- (a) In order to demonstrate compliance with Condition D.3.1, the baghouse (DC2) shall be in operation and control emissions from the shakeout process (CCS) at all times when the shakeout process is in operation.
- (b) In order to demonstrate compliance with Condition D.3.1, the baghouse (DC4) shall be in operation and control emissions from the shotblaster (CCL1) at all times when the shotblaster is in operation.
- (c) In order to demonstrate compliance with Condition D.3.1, the baghouse (DC6) shall be in operation and control emissions from the shotblaster (CCL2) at all times when the shotblaster is in operation.
- (d) In order to demonstrate compliance with Conditions D.3.1 and D.3.2, the baghouse (DC6) shall be in operation and control emissions from the seven (7) pedestal grinders at all times when the any of the seven (7) pedestal grinders are in operation.
- (e) In order to demonstrate compliance with Conditions D.3.1 and D.3.2, the baghouse (DC6) shall be in operation and control emissions from the two (2) dual wheel grinders at all times when the either of the two (2) dual wheel grinders are in operation.
- (f) In order to demonstrate compliance with Condition D.3.1, the baghouse (DC7) shall be in operation and control emissions from the shotblaster (CCL3) at all times when the shotblaster is in operation.
- (g) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

### D.3.6 Visible Emissions Notations

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- (a) Visible emission notations of the shakeout, seven (7) pedestal grinders and two (2) dual wheel grinders baghouse stack exhausts (DC2 and DC6) shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) 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.3.7 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- (a) The Permittee shall record the pressure drop across the baghouse (DC2) used in conjunction with the shakeout process (CCS), at least once per day when the shakeout process is in operation when venting to the atmosphere. When, for any one (1) reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 5.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with 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.

- (b) The Permittee shall record the pressure drop across the baghouses (DC6) used in conjunction with the seven (7) pedestal grinders (GR1, GR2, GR5, GR6, GR7, GR8 and GR9) and two (2) dual wheel grinders (GR3 and GR4), at least once per day when the seven (7) pedestal grinders (GR1, GR2, GR5, GR6, GR7, GR8 and GR9) and two (2) dual wheel grinders (GR3 and GR4) are in operation when venting to the atmosphere. When, for any one (1) reading, the pressure drop across the baghouse is outside the normal range of 3.0 and 7.0 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).

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

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

### **D.3.9 Record Keeping Requirements**

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- (a) To document compliance with Condition D.3.6, the Permittee shall maintain records of visible emission notations of the shakeout baghouse (DC2) and the seven (7) pedestal grinders (GR1, GR2, GR5, GR6, GR7, GR8 and GR9) and two (2) dual wheel grinders (GR3 and GR4) baghouse (DC6) stack exhausts once per day.
- (b) To document compliance with Condition D.3.7, the Permittee shall maintain the following:
  - (1) Records of pressure drop during normal operation when venting to the atmosphere once per day.
  - (2) Documentation of the dates vents are redirected.
- (c) To document compliance with Condition D.3.2, the Permittee shall maintain monthly records of the castings throughput at the seven (7) pedestal wheel grinders and the two (2) dual wheel grinders.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

### **D.3.10 Reporting Requirements**

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A quarterly summary of the information to document compliance with Condition D.3.2 shall be submitted to the address 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 Aresponsible official® as defined by 326 IAC 2-7-1(34).

## SECTION D.4 FACILITY OPERATION CONDITIONS

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

- (e) One (1) sand handling process consisting of the following emission units and pollution control devices:
  - (1) One (1) miller, constructed in 1987, identified as SH, with PM and PM<sub>10</sub> emissions controlled by baghouse DC3 and exhausting through stack S6 or S6R, maximum capacity: 100 tons of sand per hour.
  - (2) One (1) mold sand handling system, constructed in 1965, identified as MSH, with PM and PM<sub>10</sub> emissions controlled by baghouse DC3 and exhausting through stack S6, maximum capacity: 50 tons of sand per hour.
  - (3) One (1) core sand handling system, constructed in 1970, identified as CSH, exhausting through stack I3 with some particulate exhausting through small filters, capacity: 50 tons of sand per hour.
  
- (f) One (1) core and mold preparation process consisting of the following emission units and pollution control devices:
  - (1) Two (2) mold making lines, identified as DM1, one constructed in 1986 with a capacity of 60 tons of sand per hour and one constructed in 1993 with a capacity of 30 tons of sand per hour. Only sand, clay and water are used in the mold making operation.
  - (2) One (1) pallet molding operation, constructed in 1965, capacity: 5 tons of sand per hour. Only sand, clay and water are used in the mold making operation.
  - (3) Ten (10) shell core making machines, seven (7) constructed in 1981 and three (3) constructed in 2005, identified as SCM, capacity: 2.0 tons of pre-mixed sand per hour, total.
  - (4) One (1) air set core machine, constructed in 1997, identified as ACM, capacity: 1.5 tons of sand, 3.91 pounds of alphasert and 1.30 pounds of alphacure per hour.
  - (5) One (1) isocure operation, identified as ICM-1, with catalyst emissions controlled by a fume scrubber, exhausting through stack S8, including the following:
    - (A) Two (2) isocure processes, constructed in 1980, identified as ICM-1a and ICM-1b, capacity: 1.0 ton of sand per hour, 30 pounds of resin per hour, and 3 pounds of catalyst (Dimethylethylamine) per hour, each.
    - (B) One (1) isocure process, constructed in 2005, identified as ICM-1c, capacity: 0.75 tons of sand per hour, 22.5 pounds of isocure per hour, and 2.25 pounds of catalyst (Dimethylethylamine) per hour.
  - (6) One (1) isocure process, constructed in 2006, identified as L-20, including a sand handling operation and an isocure core machine, identified as ICM-2, with catalyst emissions controlled by a fume scrubber, exhausting to stack LA-1, capacity: 1.5 tons of sand per hour, 45 pounds of resin per hour, and 4.5 pounds of non-HAP catalyst per hour.
  - (7) One (1) 0.5 million British thermal unit per hour (MMBtu/hr) natural gas-fired core baking oven, constructed in 1970, identified as CM Oven, exhausting through two (2) stacks, identified as S7A and S7B.

(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 [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the one (1) muller (SH) and mold sand handling (MSH), exhausting to baghouse DC3, shall not exceed 51.3 pounds per hour, total, when operating at a process weight rate of 100 tons of sand per hour.
- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the core sand handling operations (CSH) shall not exceed 44.6 pounds per hour, when operating at a process weight rate of 50 tons of sand per hour.
- (c) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the one (1) isocure process, identified as L-20, sand handling operation shall not exceed 5.4 pounds per hour when operating at a process weight rate of 1.5 tons of sand per hour.

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

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

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

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

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

### D.4.2 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]

- (a) Any change or modification that increases the potential to emit VOC from any of the seven (7) shell core making machines to 25 tons per year or more, shall cause that facility to become subject to the requirements of 326 IAC 8-1-6, and shall require prior IDEM, OAQ approval.
- (b) Any change or modification that increases the potential to emit VOC from the one (1) airset core machine to 25 tons per year or more, shall cause that facility to become subject to the requirements of 326 IAC 8-1-6, and shall require prior IDEM, OAQ approval.
- (c) Any change or modification that increases the potential to emit VOC from either of the two (2) mold making lines or the pallet molding line to 25 tons per year or more, shall cause that facility to become subject to the requirements of 326 IAC 8-1-6, and shall require prior IDEM, OAQ approval.
- (d) In order to render the requirements of 326 IAC 8-1-6 (New facilities; General reduction requirements) not applicable, the following conditions shall apply to the two (2) isocure processes, identified as ICM-1a and ICM-1b, constructed in 1980:
  - (1) The resin usage for each isocure process shall not exceed 330,000 pounds of resin per twelve (12) consecutive month period. Total DMEA usage for each

isocure process shall not exceed 33,000 pounds of DMEA per twelve (12) consecutive month period, with compliance determined at the end of each month.

- (2) The VOC emissions (not including catalyst) from each of the isocure processes shall not exceed 0.05 pound per pound of resin before controls.

Therefore, the requirements of 326 IAC 8-1-6 (New facilities; General reduction requirements) shall not apply.

- (e) In order to render the requirements of 326 IAC 8-1-6 (New facilities; General reduction requirements) not applicable, the following conditions shall apply to the one (1) isocure process, identified as L-20 (including ICM-2):

- (1) The resin usage for the isocure process shall not exceed 331,128 pounds of resin per twelve (12) consecutive month period, with compliance determined at the end of each month, and the total catalyst usage shall not exceed 33,113 pounds per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (2) The VOC emissions (not including catalyst) from the isocure process shall not exceed 0.05 pound per pound of resin before controls.

#### D.4.3 PSD Minor Modification Limit [326 IAC 2-2]

- (a) In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the following conditions shall apply to the two (2) isocure processes, identified as ICM-1a and ICM-1b, constructed in 1980:

- (1) The resin usage for the total of the two (2) isocure processes shall not exceed 532,000 pounds of resin per twelve (12) consecutive month period, with compliance determined at the end of each month. Total catalyst (DMEA) usage for the total of the two (2) isocure processes shall not exceed 53,200 pounds per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (2) The VOC emissions (not including catalyst) from the isocure processes shall not exceed 0.05 pound per pound of resin.

Therefore, the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) shall not apply.

- (b) Any change or modification that increases the potential to emit VOC from the seven (7) shell core making machines, constructed in 1981, to 40 tons per year or more shall cause the seven (7) shell core making machines to become subject to 326 IAC 2-2, PSD, and shall require prior IDEM, OAQ, approval.
- (c) Any change or modification that increases the potential to emit VOC from the one (1) mold making line, constructed in 1986, to 40 tons per year or more shall cause the one (1) mold making line to become subject to 326 IAC 2-2, PSD, and shall require prior IDEM, OAQ, approval.
- (d) Any change or modification that increases the potential to emit VOC from the one (1) air set core machine, constructed in 1997, to 40 tons per year or more shall cause the one (1) air set core machine to become subject to 326 IAC 2-2, PSD, and shall require prior IDEM, OAQ, approval.

- (e) Any change or modification that increases the potential to emit VOC from either of the two (2) mold making lines or the pallet molding line to 40 tons per year or more shall cause the line to become subject to 326 IAC 2-2, PSD, and shall require prior IDEM, OAQ, approval.
- (f) The outlet grain loading at the baghouse (DC3), controlling the one (1) muller and one (1) mold sand handling system, shall not exceed 0.015 grains per dry standard cubic foot and the flow rate shall not exceed 26,000 actual cubic feet per minute. This will limit the potential to emit PM from baghouse DC3 to less than 5.71 pounds per hour and the potential to emit PM<sub>10</sub> to less than 3.42 pounds per hour. Therefore, the potential to emit PM is limited to less than 25 tons per year and the potential to emit PM<sub>10</sub> is limited to less than 15 tons per year from the addition of the one (1) muller, and the modification is a minor modification to an existing major source.
- (g) In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the following conditions shall apply to the one (1) isocure process, identified as ICM-1c, constructed in 2005:
  - (1) The resin usage for the one (1) isocure process shall not exceed 197,100 pounds of resin per twelve (12) consecutive month period, with compliance determined at the end of each month. Total catalyst (DMEA) usage for the one (1) isocure process shall not exceed 19,710 pounds per twelve (12) consecutive month period, with compliance determined at the end of each month.
  - (2) The VOC emissions (not including catalyst) from the isocure process shall not exceed 0.05 pound per pound of resin.

This limitation, in conjunction with Condition D.4.2(e), shall limit the potential to emit VOC from the 2005/2006 modification to less than forty (40) tons per year and shall render the requirements of 326 IAC 2-2, PSD, not applicable.

#### D.4.4 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 the muller, mold sand handling, and core sand handling and their control devices, the three (3) isocure processes, identified as ICM-1, and the one (1) isocure process, identified as L-20 (including ICM-2).

### **Compliance Determination Requirements**

#### D.4.5 Particulate Control (PM and PM<sub>10</sub>) [326 IAC 2-7-6(6)]

- (a) In order to demonstrate compliance with Condition D.4.1 and D.4.3, the baghouse (DC3) shall be in operation at all times and control emissions from the muller and mold sand handling at all times when the muller and/or mold sand handling is in operation.
- (b) In order to demonstrate compliance with Condition D.4.1, the small dust collectors shall be in operation at all times and control emissions from the core sand handling operations at all times when the core sand handling is in operation.
- (c) In the event that bag or filter failure is observed in a multi-compartment baghouse or dust collector, 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.4.6 VOC Emissions

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Compliance with Conditions D.4.3(a) and (e) and D.4.2(d) and (e) shall be determined within thirty (30) days of the end of each month based on the total volatile organic compound usage for the previous twelve (12) month period.

#### D.4.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

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During the period between 30 and 36 months after issuance of this permit, in order to demonstrate compliance with Condition D.4.3, the Permittee shall perform PM and PM<sub>10</sub> testing to verify that the muller is in compliance with Condition D.4.3(f), utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C - Performance Testing. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM<sub>10</sub> includes filterable and condensable PM<sub>10</sub>.

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

#### D.4.8 Visible Emissions Notations

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- (a) Visible emission notations of the muller and mold sand handling baghouse stack exhaust (DC3) and small filters controlling the core sand handling shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) 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.4.9 Baghouse Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

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The Permittee shall record the pressure drop across the baghouse (DC3) used in conjunction with the muller and mold sand handling, at least once per day when the shakeout process is in operation when venting to the atmosphere. When, for any one (1) reading, the pressure drop across the baghouse is outside the normal range of 3.0 and 7.0 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.4.10 Broken or Failed Bag Detection

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- (a) For a single compartment baghouse or filter 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 or filter 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).

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

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

#### **D.4.11 Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19] [326 IAC 2-2]**

- (a) To document compliance with Conditions D.4.3(a) and (e) and D.4.2(d) and (e), the Permittee shall maintain records of the catalyst and resin usage at each of the three (3) isocure processes, identified as ICM-1, and the one (1) isocure process, identified as L-20 (including ICM-2), for each month.
- (b) To document compliance with Conditions D.4.3(a) and (e) and D.4.2(d) and (e), the Permittee shall maintain records of the VOC content of binders used at each of the isocure processes each month.
- (c) To document compliance with Condition D.4.8, the Permittee shall maintain records of visible emission notations of the muller and mold sand handling baghouse (DC3) stack and the small filters controlling the core sand handling exhausts once per day.
- (d) To document compliance with Condition D.4.9, the Permittee shall maintain the following:
  - (1) Records of the pressure drop for the baghouses during normal operation when venting to the atmosphere once per day.
  - (2) Documentation of the dates vents are redirected.
- (e) The Permittee shall calculate and maintain a record of the annual emissions from the one (1) scrap handling process, identified as process SI; one (1) melting and casting process, including CP, IF1, IF2, IF3, IF-4, LH1, LH2, LH3, LH4, and all of operation MP; one (1) shakeout operation, identified as operation CCS; one (1) cleaning and finishing process, including CCL1, CCL2, CCL3, GR1, GR2, GR3, GR4, GR5, GR6, GR7, GR8, GR9, and HT1; one (1) sand handling process, including SH, MSH, and CSH; two (2) mold making lines, identified as DM1; one (1) pallet molding operation; one (1) core baking oven, identified as CM Oven; ten (10) shell core machines, identified as SCM; one (1) air set core machine, identified as ACM; two (2) isocure processes, constructed in 1980, identified as ICM-1a and ICM-1b; and the inoculation operations, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the installation of ICM-1c and L-20.
- (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### D.4.12 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.4.3(a) and (e) and D.4.2(d) and (e), shall be submitted to the address 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).

## SECTION D.5

## FACILITY CONDITIONS

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

- (g) Inoculation operations, operating since approximately 1973, exhausting inside the building, with some emissions controlled by the general ventilation baghouse DC1, and exiting through the general building exhaust and at stack S1, capacity: 10 tons of metal per hour.

(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.5.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the inoculation operations shall not exceed 19.2 pounds per hour, when operating at a process weight rate of 10 tons of metal per hour.

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

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

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

#### D.5.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

### Compliance Determination Requirements

There are no specific Compliance Determination Requirements applicable to this emission unit.

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

#### D.5.3 Visible Emissions Notations

- (a) Visible emission notations of the general building ventilation stacks exhausts shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) 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 Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

**D.5.4 Record Keeping Requirements**

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- (a) To document compliance with Condition D.5.3, the Permittee shall maintain records of visible emission notations of the general building ventilation stacks exhausts once per day.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

## SECTION D.6

## FACILITY OPERATION CONDITIONS

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

- (a) Degreasing operations that do not exceed 145 gallons per 12 month period, except if subject to 326 IAC 20-6, including one (1) parts washer, constructed in 1987, equipped with a lid. There are no halogenated solvents used in the degreasing operations. [326 IAC 8-3-2]
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3]
- (c) Any of the following structural steel and bridge fabrication activities:
  - (1) Cutting 200,000 linear feet or less of one inch (1") plate or equivalent. [326 IAC 6-3]
  - (2) Using 80 tons or less of welding consumables. [326 IAC 6-3]
- (d) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6-3]
- (e) Other activities or categories not previously identified with potential, uncontrolled emissions equal to or less than insignificant activity thresholds:
  - (1) Maintenance painting; core making. [326 IAC 6-3]
  - (2) Receipt, unloading, storage of molding sand. [326 IAC 6-3]
  - (3) Pattern Shop woodworking activities. [326 IAC 6-3]

(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.6.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations) for cold cleaning operations constructed after January 1, 1980, the owner or operator shall:

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

**D.6.2 Volatile Organic Compounds (VOC) [326 IAC 2-2]**

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Any change or modification that increases the potential to emit VOC from the one (1) insignificant parts washer to 40 tons per year or more of VOC shall cause the source to be subject to the requirements of 326 IAC 2-2 and shall require prior IDEM, OAQ, approval.

**D.6.3 Particulate [326 IAC 6-3-2]**

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Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the insignificant activities of brazing equipment, cutting torches, soldering equipment, welding, grinding and machining, maintenance painting, core making, receipt, unloading, storage, and woodworking shall not exceed the particulate emission rate based on the following equations:

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

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

or

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:

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

**Compliance Determination Requirement**

**D.6.4 Particulate Matter (PM)**

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In order to comply with D.6.3, the control equipment for PM control shall be in operation and control emissions from the grinding and machining operations at all times that the grinding and machining operations are in operation.

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

**PART 70 OPERATING PERMIT  
CERTIFICATION**

Source Name: Manchester Metals, LLC  
Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
Part 70 Permit No.: T 169-9014-00019

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251  
Phone: 317-233-0178  
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT  
EMERGENCY OCCURRENCE REPORT**

Source Name: Manchester Metals, LLC  
Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
Part 70 Permit No.: T 169-9014-00019

**This form consists of 2 pages**

**Page 1 of 2**

<p><b>9</b> This is an emergency as defined in 326 IAC 2-7-1(12)</p> <ul style="list-style-type: none"><li><b>C</b> 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</li><li><b>C</b> 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.</li></ul>
---

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

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

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

**Page 2 of 2**

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

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

A certification is not required for this report.

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

**Part 70 Quarterly Report**

Source Name: Manchester Metals, LLC.  
 Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
 Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
 Part 70 Permit No.: T 169-9014-00019  
 Facility: Four (4) electric induction furnaces, IF1 through IF4  
 Parameter: Iron throughput  
 Limit: 34,700 tons per consecutive twelve (12) month period, total, where each ton of steel melted is equal to one tenth (0.1) ton of iron throughput

YEAR: \_\_\_\_\_

Month	Iron Throughput (tons)	Steel Melted (tons)	Equivalent Iron Throughput = Iron Throughput + (Steel Melted x 0.1) (tons)	Equivalent Iron Throughput = Iron Throughput + (Steel Melted x 0.1) (tons)	Equivalent Iron Throughput = Iron Throughput + (Steel Melted x 0.1) (tons)
	This Month	This Month	This Month	Previous 11 Months	12 Month Total

- 9 No deviation occurred in this month.
- 9 Deviation/s occurred in this month.  
 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: Manchester Metals, LLC  
Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
Part 70 Permit No.: T 169-9014-00019  
Facility: Disaforma molding/pouring line  
Parameter: Metal throughput  
Limit: 11,826 tons per consecutive twelve (12) month period

YEAR: \_\_\_\_\_

Month	Metal Throughput (tons)	Metal Throughput (tons)	Metal Throughput (tons)
	This Month	Previous 11 Months	12 Month Total

- 9 No deviation occurred in this month.
- 9 Deviation/s occurred in this month.  
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: Manchester Metals, LLC  
Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
Part 70 Permit No.: T 169-9014-00019  
Facility: Disamatic molding/pouring line  
Parameter: Metal throughput  
Limit: 7,750 tons per consecutive twelve (12) month period

YEAR: \_\_\_\_\_

Month	Metal Throughput (tons)	Metal Throughput (tons)	Metal Throughput (tons)
	This Month	Previous 11 Months	12 Month Total

- 9 No deviation occurred in this month.
- 9 Deviation/s occurred in this month.  
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: Manchester Metals, LLC  
 Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
 Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
 Part 70 Permit No.: T 169-9014-00019  
 Facility: Seven (7) pedestal wheel grinders  
 Parameter: Castings throughput  
 Limit: No more than 10,220 tons per twelve (12) consecutive month period, total

YEAR: \_\_\_\_\_

Month	Castings throughput (tons)	Castings throughput (tons)	Castings throughput (tons)
	This Month	Previous 11 Months	12 Month Total

- 9** No deviation occurred in this month.
- 9** Deviation/s occurred in this month.  
 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: Manchester Metals, LLC  
Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
Part 70 Permit No.: T 169-9014-00019  
Facility: Two (2) dual wheel grinders  
Parameter: Castings throughput  
Limit: No more than 5,840 tons per twelve (12) consecutive month period, total

YEAR: \_\_\_\_\_

Month	Castings throughput (tons)	Castings throughput (tons)	Castings throughput (tons)
	This Month	Previous 11 Months	12 Month Total

- 9 No deviation occurred in this month.
- 9 Deviation/s occurred in this month.  
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: Manchester Metals, LLC  
 Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
 Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
 Part 70 Permit No.: T 169-9014-00019  
 Facilities: Two (2) isocure processes, collectively identified as CB-16  
 Parameter: Resin Usage  
 Limit: No more than 330,000 pounds per twelve (12) consecutive month period, each, and no more than 532,000 pounds per twelve (12) consecutive month period, total, with compliance determined at the end of each month

YEAR: \_\_\_\_\_

Month	Resin Usage at process 1 (lbs)	Resin Usage at process 2 (lbs)	Total Resin Usage (lbs)	Resin Usage at process 1 (lbs)	Resin Usage at process 2 (lbs)	Total Resin Usage (lbs)	Resin Usage at process 1 (lbs)	Resin Usage at process 2 (lbs)	Total Resin Usage (lbs)
	This Month			Previous 11 Months			12 Month Total		

- 9 No deviation occurred in this month.
- 9 Deviation/s occurred in this month.  
 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: Manchester Metals, LLC  
 Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
 Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
 Part 70 Permit No.: T 169-9014-00019  
 Facilities: Two (2) isocure processes, collectively identified as CB-16  
 Parameter: Catalyst (DMEA) Usage  
 Limit: No more than 33,000 pounds per twelve (12) consecutive month period, each,  
 and no more than 53,200 pounds per twelve (12) consecutive month period,  
 total, with compliance determined at the end of each month

YEAR: \_\_\_\_\_

Month	DMEA Usage at process 1 (lbs)	DMEA Usage at process 2 (lbs)	Total DMEA Usage (lbs)	DMEA Usage at process 1 (lbs)	DMEA Usage at process 2 (lbs)	Total DMEA Usage (lbs)	DMEA Usage at process 1 (lbs)	DMEA Usage at process 2 (lbs)	Total DMEA Usage (lbs)
	This Month			Previous 11 Months			12 Month Total		

☉ No deviation occurred in this month.

☉ Deviation/s occurred in this month.

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: Manchester Metals, LLC  
Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
Part 70 Permit No.: T 169-9014-00019  
Facility: One (1) isocure process, identified as L-20  
Parameter: Resin Usage  
Limit: No more than 311,128 pounds per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: \_\_\_\_\_

Month	Resin Usage (lbs)	Resin Usage (lbs)	Resin Usage (lbs)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.

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: Manchester Metals, LLC  
Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
Part 70 Permit No.: T 169-9014-00019  
Facility: One (1) isocure process, identified as L-20  
Parameter: Catalyst Usage  
Limit: No more than 33,113 pounds per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: \_\_\_\_\_

Month	Catalyst Usage (lbs)	Catalyst Usage (lbs)	Catalyst Usage (lbs)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.

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: Manchester Metals, LLC  
Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
Part 70 Permit No.: T 169-9014-00019  
Facility: One (1) isocure process, identified as 4-E  
Parameter: Catalyst Usage  
Limit: No more than 197,100 pounds per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: \_\_\_\_\_

Month	Catalyst Usage (lbs)	Catalyst Usage (lbs)	Catalyst Usage (lbs)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.

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: Manchester Metals, LLC  
Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
Part 70 Permit No.: T 169-9014-00019  
Facility: One (1) isocure process, identified as 4-E  
Parameter: Catalyst Usage  
Limit: No more than 19,710 pounds per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: \_\_\_\_\_

Month	Catalyst Usage (lbs)	Catalyst Usage (lbs)	Catalyst Usage (lbs)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.

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: Manchester Metals, LLC  
Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
Part 70 Permit No.: T 169-9014-00019

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

Page 1 of 2

<p>This report is an affirmation that the source has met all the requirements stated in this permit. This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked <b>NO deviations occurred this reporting period</b>.</p>	
<p><b>NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.</b></p>	
<p><b>THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD</b></p>	
<b>Permit Requirement (specify permit condition #)</b>	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement (specify permit condition #)</b>	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

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

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.

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

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

#### Source Description and Location

<b>Source Name:</b>	<b>Manchester Metals, LLC</b>
<b>Source Location:</b>	<b>205 Wabash Road, North Manchester, Indiana 46962</b>
<b>County:</b>	<b>Wabash</b>
<b>SIC Code:</b>	<b>3321</b>
<b>Operation Permit No.:</b>	<b>T 169-9014-00019</b>
<b>Operation Permit Issuance Date:</b>	<b>May 14, 2002</b>
<b>Significant Source Modification No.:</b>	<b>SSM 169-23066-00019</b>
<b>Significant Permit Modification No.:</b>	<b>SPM 169-23221-00019</b>
<b>Permit Reviewer:</b>	<b>CarrieAnn Paukowits</b>

#### Existing Approvals

The source was issued a Part 70 Operating Permit T 169-9014-00019 on May 14, 2002. The source has since received the following approvals:

- (a) First Administrative Amendment 169-16172-00019, issued on October 10, 2002;
- (b) Second Administrative Amendment 169-18389-00019, issued on January 20, 2004;
- (c) Third Administrative Amendment 169-20585-00019, issued on May 4, 2005;
- (d) Minor Source Modification 169-21321-00019, issued on August 4, 2005;
- (e) Significant Permit Modification 169-21545-00019, issued on November 4, 2005; and
- (f) Significant Permit Modification 169-21802-00019, issued on February 28, 2006.

#### County Attainment Status

The source is located in Wabash County.

Pollutant	Status
PM <sub>2.5</sub>	Attainment
PM <sub>10</sub>	Attainment
SO <sub>2</sub>	Attainment
NO <sub>2</sub>	Attainment
1-Hour Ozone	Attainment
8-Hour Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOC) and nitrogen oxides (NO<sub>x</sub>) 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 and NO<sub>x</sub> emissions are considered when evaluating the rule applicability relating to ozone. Wabash County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (b) Wabash County has been classified as attainment for PM<sub>2.5</sub>. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM<sub>2.5</sub> emissions. Therefore, until the U.S. EPA adopts specific provisions for PSD review for PM<sub>2.5</sub> emissions, it has directed states to regulate PM<sub>10</sub> emissions as a surrogate for PM<sub>2.5</sub> emissions.
- (c) Wabash County has been classified as attainment or unclassifiable in Indiana for all remaining criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) Because this source is classified as a secondary metal production plant, it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (e) Fugitive Emissions  
 Since this type of operation is in one of the twenty (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are counted toward the determination of PSD and Emission Offset applicability.

<b>Source Status</b>
----------------------

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

Pollutant	Emissions (tons/year)
PM	957
PM <sub>10</sub>	829
SO <sub>2</sub>	11.1
VOC	89.7
CO	7.75
NO <sub>x</sub>	21.0

- (a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a regulated pollutant is emitted at a rate of one hundred (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) These emissions are based upon the Technical Support Document for the Part 70 Operating Permit T 169-9014-00019, issued May 14, 2002.

The table below summarizes the potential to emit HAPs for the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

HAPs	Emissions (tons/year)
Lead	0.426
Manganese	3.25
Phosphorus	2.00
Formaldehyde	0.088
Phenol	2.23
Naphthalene	5.29
MDI	0.013
Benzene	0.00007
Dichlorobenzene	0.00004
Hexane	0.059
Toluene	0.0001
Cadmium	0.00004
Chromium	0.00005
Nickel	0.00007
Triethylamine	< 10
<b>TOTAL</b>	<b>&lt; 23.4</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 a single HAP and 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).

**Actual Emissions**

The following table shows the actual emissions from the source. This information reflects the 2003 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	Not reported
PM <sub>10</sub>	30
SO <sub>2</sub>	0
VOC	7
CO	1
NO <sub>x</sub>	2
HAP (Lead)	0.24
HAP (Manganese)	0

**Background and Description of Proposed Modification**

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Manchester Metals, LLC on May 9, 2006, relating to the addition of two (2) isocure processes. The applicant has also indicated that it does not and will not use Triethylamine as a catalyst. The following is a list of the newly proposed emission units and pollution control devices:

- (a) One (1) isocure process, constructed in 2005, identified as ICM-1c, capacity: 0.75 tons of sand per hour, 22.5 pounds of isocure per hour, and 2.25 pounds of catalyst (Dimethylethylamine) per hour.

The one (1) isocure process, identified as ICM-1c, was constructed in 2005. It is part of the existing isocure operations, now identified as ICM-1, and will not increase the potential to emit of the source. However, the applicant should have applied for a Minor Source Modification, pursuant to 326 IAC 2-7-10.5(d)(3), modifications that would have a potential to emit less than twenty-five (25) tons per year and equal to or greater than ten (10) tons per year of VOC, due to the potential to emit of the proposed process.

The revised isocure process description is as follows:

~~Two (2) One (1) isocure operation processes, constructed in 1980, identified as part of ICM-1, with catalyst emissions controlled by a fume scrubber, exhausting through stack S8, capacity: 2.0 tons of sand per hour, 80 pounds of isocure per hour, and 20 pounds of catalyst (Dimethylethylamine) or 40 pounds of Triethylamine per hour, total including the following:~~

- (1) Two (2) isocure processes, constructed in 1980, identified as ICM-1a and ICM-1b, capacity: 1.0 ton of sand per hour, 30 pounds of resin per hour, and 3 pounds of catalyst (Dimethylethylamine) per hour, each.**
- (2) One (1) isocure process, constructed in 2005, identified as ICM-1c, capacity: 0.75 tons of sand per hour, 22.5 pounds of isocure per hour, and 2.25 pounds of catalyst (Dimethylethylamine) per hour.**

- (b) One (1) isocure process, constructed in 2006, identified as L-20, including a sand handling operation and an isocure core machine, identified as ICM-2, with catalyst emissions controlled by a fume scrubber, exhausting to stack LA-1, capacity: 1.5 tons of sand per hour, 45 pounds of resin per hour, and 4.5 pounds of non-HAP catalyst per hour.

Enforcement Issues

IDEM is aware that the one (1) isocure process, identified as ICM-1c, has been constructed and operated prior to receipt of the proper permit (minor source modification). IDEM is reviewing this matter and will take the appropriate action. This proposed approval is intended to satisfy the requirements of the construction permit rules.

**Stack Summary**

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (°F)
LA-1	L-20 Scrubber	20.0	1.5	1,200	Ambient

Emission Calculations

See Appendix A of this document for detailed emission calculations.

Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U.S. EPA, IDEM, or the appropriate local air pollution control agency.®

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	23.7
PM <sub>10</sub>	3.55
SO <sub>2</sub>	0.00
VOC	44.3
CO	0.00
NO <sub>x</sub>	0.00

  

HAPs	Potential To Emit (tons/year)
MDI	0.676
Naphthalene	0.034
Phenol	0.109
Formaldehyde	0.266
<b>TOTAL</b>	<b>1.09</b>

This source modification is subject to 326 IAC 2-7-10.5(f) (4), any modification with a potential to emit greater than or equal to twenty-five (25) tons per year of volatile organic compounds (VOC). Additionally, the modification will be incorporated into the Part 70 Operating Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12(d)(1), because it does not qualify as minor permit modification or as an administrative amendment.

The potential to emit HAPs from the proposed units is 1.09 tons per year. However, the potential to emit HAPs will decrease as a result of this modification because the source will no longer use Triethylamine as a catalyst. Based on the Technical Support Document for the Part 70 Operating Permit T 169-9014-00019, issued May 14, 2002, and all subsequent modifications, the changes to the potential to emit HAPs resulting from this modification are as follows:

HAPs	Emissions (tons/year)
Lead	0.426
Manganese	3.25
Phosphorus	2.00
Formaldehyde	<del>0.088</del> <b>0.354</b>
Phenol	<del>2.23</del> <b>2.34</b>
Naphthalene	<del>5.29</del> <b>5.32</b>
MDI	<del>0.013</del> <b>0.689</b>
Benzene	0.00007
Dichlorobenzene	0.00004
Hexane	0.059
Toluene	0.0001
Cadmium	0.00004
Chromium	0.00005
Nickel	0.00007
Triethylamine	< 10
TOTAL	<del>&lt; 23.4</del> <b>14.4</b>

Permit Level Determination – PSD or Emission Offset

The Permittee has provided information as part of the application for this approval that based on Actual to Projected Actual test in 326 IAC 2-2-2 this modification at a major stationary source will not be major for Prevention of Significant Deterioration under 326 IAC 2-2-1. IDEM, OAQ has not reviewed this information and will not be making any determination in this regard as part of this approval. The applicant will be required to keep records and report in accordance with Source Obligation in 326 IAC 2-2-8. These record keeping and reporting requirements are contained in Conditions C.19 and C.20 of the permit. Specific record keeping requirements have been added to Section D.4 of the permit.

Process/Emission Unit	Criteria Pollutants						
	PM	PM <sub>10</sub>	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	Lead
Criteria Pollutants Baseline Actual Emissions (tpy) [1]	89.7	46.8	2.95	12.6	56.1	6.97	0.417
Projected Actual Emissions (tpy) [2]	67.0	33.0	2.00	8.00	36.9	5.0	0.04
Emissions Increase from Existing Emission Units (tpy) (Row [2] – Row [1]) [3]	no increase	no increase	no increase	no increase	no increase	no increase	no increase
Potential to Emit from L-20 (including ICM-2) (tpy) [4]	23.7	3.55	0.00	24.8	0.00	0.00	0.00
Potential to Emit from ICM-1c (tpy) [5]	0.00	0.00	0.00	14.8	0.00	0.00	0.00
Total Emissions Increase from Project (Row [3] + Row [4] + Row [5]) (tpy) [6]	23.7	3.55	0.00	39.6	0.00	0.00	0.00
Significant Level (tpy) [6]	25	15	40	40	100	40	0.6

[1] "Baseline actual emissions" are defined in 326 IAC 2-2-1(e) as the rate the pollutant was emitted during a consecutive twenty-four (24)-month period within the ten (10) year period immediately preceding the proposed project's construction. For this project the 24-month period occurred from 2000-2001 for PM, and PM<sub>10</sub>, 1998-1999 for VOC, SO<sub>2</sub>, NO<sub>x</sub> and CO, and 1997-1998 for Lead. The existing emission units included in this analysis are as follows; combustion, scrap and charge handling, induction furnaces, inoculation, pouring, cooling, shakeout, sand handling processes, castings finishing operations, and existing core and mold making.

[2] "Projected actual emissions" are defined in 326 IAC 2-2-1(rr) as future emissions excluding any increase in emissions from the project that could have been accommodated during the consecutive twenty-four (24) month period used to establish the baseline actual emissions. These emissions were projected by the applicant.

[3] In accordance with 326 IAC 2-2-2(d)(3), the emissions increase that is calculated as the sum of the difference between the projected actual emissions and the baseline actual emissions for each emissions unit.

[4] The potential to emit in this table is the unrestricted potential emissions for L-20, for all pollutants other than VOC. The potential to emit VOC is limited to less than twenty-five (25) tons per year before controls so that the requirements of 326 IAC 8-1-6, New facilities; General reduction requirements, are not applicable to L-20, including ICM-2.

[5] The potential to emit in this table is the unrestricted potential emissions for ICM-1c, for all pollutants.

[6] "Significant" is defined in 326 IAC 2-2-1.

**Federal Rule Applicability Determination**

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) included in the permit due to 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 the permit due to this proposed modification.
- (c) This source is still not a major source of HAPs. Therefore, the requirements of 40 CFR 63, Subpart EEEEE, National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries, are not included in the permit.
- (d) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:
  - (1) has a potential to emit before or after controls equal to or greater than the major source threshold for the pollutant involved;
  - (2) is subject to an emission limitation or standard for that pollutant; and
  - (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The following table is used to identify the applicability of each of the applicability criteria, under 40 CFR 64.1, to each new or modified emission unit involved:

Emission Unit	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
VOC							
ICM-1c	Fume scrubber for VOC	Y	14.8	14.8 (control not required)	100	N	N
L-20	Fume scrubber for VOC	Y	29.6	24.8 (control not required)	100	N	N
PM/PM <sub>10</sub>							
L-20	No particulate control	Y	23.7	23.7	100	N	N

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are not applicable to any of the new units as part of this modification.

**State Rule Applicability Determination**

The following state rules are applicable to the source due to the modification:

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

PSD applicability is discussed under the Permit Level Determination - PSD or Emission Offset section.

### 326 IAC 2-4.1-1 (Major Sources of Hazardous Air Pollutants (HAP))

The potential to emit of a single HAP is less than ten (10) tons per year and the potential to emit total HAPs is less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 2-4.1 are still not applicable.

### 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the sand handling operations at the one (1) isocure process, identified as L-20, shall not exceed 5.4 pounds per hour when operating at a process weight rate of 1.5 tons per hour. The potential PM emissions are 5.4 pounds per hour. Therefore, this process can comply with the rule. The pound per hour limitation was calculated with the following equation:

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

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

### 326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

- (a) The unrestricted potential VOC emissions from the one (1) isocure process, identified as ICM-1c, are less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.
- (b) In order to render the requirements of 326 IAC 8-1-6 (New facilities; General reduction requirements) not applicable, the following conditions shall apply to the one (1) proposed isocure process, identified as L-20:
  - (1) The resin usage for the isocure process shall not exceed 331,128 pounds of resin per twelve (12) consecutive month period, with compliance determined at the end of each month, and the total catalyst usage shall not exceed 33,113 pounds of per twelve (12) consecutive month period, with compliance determined at the end of each month.
  - (2) The VOC emissions (not including catalyst) from the isocure process shall not exceed 0.05 pound per pound of resin.

These limitations will result in potential VOC emissions of less than twenty-five (25) tons per year, before controls ((331,128 lbs resin/yr x 0.05 lbs VOC/lb resin) + 33,113 lbs catalyst (VOC)/yr x 1 lb/2,000 tons = 24.8 tons/yr < 25 tons/yr).

<b>Compliance Determination and Monitoring Requirements</b>
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Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance determination requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the

permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance determination requirements applicable to this modification are as follows:

The core sand handling has compliance determination requirements in the permit for particulate emissions, but the only requirement specific to the three (3) isocore making processes, identified as ICM-1, and the one (1) isocore process, identified as L-20, is the following:

Compliance with Conditions D.4.3(a) and (e) and D.4.2(d) and (e) shall be determined within thirty (30) days of the end of each month based on the total volatile organic compound usage for the previous twelve (12) month period.

The core sand handling has compliance monitoring requirements in the permit for particulate emissions, but there are no compliance monitoring requirements specific to the isocore processes.

### Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T 169-9014-00019. Deleted language appears as ~~strike throughs~~ and new language appears in **bold**:

#### Change 1:

The following changes have been made to Sections A.2 and D.4, and the report forms, due to this proposed modification:

#### 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 handling process, constructed in 1968, including one (1) bridge crane and one (1) scale, identified as process SI, not exhausting through a stack, maximum rated capacity: 10 tons of metal per hour.
- (b) One (1) melting and casting process consisting of the following emission units and pollution control devices:
  - (1) One (1) 1.16 million British thermal unit per hour natural gas-fired scrap charge preheater, constructed in 1970, identified as CP, exhausting inside the building, some emissions controlled by the general ventilation baghouse DC1, and exiting through the general building exhaust and at stack S1.
  - (2) Three (3) electric induction (scrap iron) furnaces, constructed in 1973 and modified in 1995, identified as IF1, IF2, and IF3, exhausting inside the building, some emissions controlled by the general ventilation baghouse DC1, and exiting through the general building exhaust and at stack S1, maximum charge rate: 6.5 tons of iron per hour, total.
  - (3) One (1) electric induction (stainless steel) furnace, constructed in 1966, identified as IF4, maximum charge rate: 1.0 ton per hour.
  - (4) Four (4) natural gas-fired ladle heaters, constructed in 1970, identified as LH1, LH2,

LH3, and LH4, combined maximum capacity: 2.6 million British thermal units per hour, total.

- (5) One (1) molding, pouring and cooling line, identified as the disamatic molding/pouring line, part of operation MP, constructed in 1993, with no controls on emissions and the emissions are exhausted via the production building general ventilation, capacity: 30 tons of molding sand and 5 tons of metal per hour.
  - (6) One (1) molding, pouring and cooling line, identified as the disaforma molding/pouring line, part of operation MP, constructed in 1986, with no controls on emissions and the emissions are exhausted via the production building general ventilation, capacity: 60 tons of molding sand and 10 tons of metal per hour.
  - (7) One (1) molding, pouring and cooling line, identified as the pallet line and floor stations, part of operation MP, constructed prior to 1973, with no controls on emissions and the emissions are exhausted via the production building general ventilation, capacity: 6 tons of molding sand and 1 ton of metal per hour.
- (c) One (1) shakeout operation, constructed in 1973, identified as operation CCS, with PM and PM<sub>10</sub> emissions controlled by baghouse DC2 and exhausting through stack S2, maximum capacity: 80 tons of sand and 10 tons of metal per hour.
- (d) One (1) cleaning and finishing process consisting of the following emission units and pollution control devices:
- (1) One (1) casting cleaner shotblaster, constructed in 1968, identified as CCL1, with PM and PM<sub>10</sub> emissions controlled by baghouse DC4 and exhausting through stack S4, maximum capacity: 1.0 ton of castings per hour.
  - (2) One (1) casting cleaner shotblaster, constructed in 1968, identified as CCL2, with PM and PM<sub>10</sub> emissions controlled by baghouse DC6 and exhausting through stack R5, maximum capacity: 3.0 tons of castings per hour.
  - (3) One (1) shot blast cleaner, constructed in 1974, identified as CCL3, with PM and PM<sub>10</sub> emissions controlled by baghouse DC7 and exhausting through stack S10, maximum capacity: 2.5 tons of castings per hour.
  - (4) Seven (7) pedestal wheel grinders, with six (6) constructed in 1993 and one (1) constructed in 1994, identified as GR1, GR2, GR5, GR6, GR7, GR8, and GR9, with PM and PM<sub>10</sub> emissions from all of the grinders controlled by baghouse DC6 and exhausting through stack R5, maximum throughput: 0.25 ton of castings per hour, each.
  - (5) Two (2) dual wheel grinders, constructed in 1993, identified as GR3 and GR4, with PM and PM<sub>10</sub> emissions from both grinders controlled by baghouse DC6 and exhausting through stack R5, maximum throughput: 0.5 ton of castings per hour, each.
  - (6) One (1) 3.2 million British thermal unit per hour natural gas-fired annealing oven, constructed in 1967, identified as HT1, exhausting through stack S9, maximum capacity: 1.5 tons of iron per hour.
- (e) One (1) sand handling process consisting of the following emission units and pollution control devices:
- (1) One (1) muller, constructed in 1987, identified as SH, with PM and PM<sub>10</sub> emissions

- controlled by baghouse DC3 and exhausting through stack S6 or S6R, maximum capacity: 100 tons of sand per hour.
- (2) One (1) mold sand handling system, constructed in 1965, identified as **MSH**, with PM and PM<sub>10</sub> emissions controlled by baghouse DC3 and exhausting through stack S6, maximum capacity: 50 tons of sand per hour.
  - (3) One (1) core sand handling system, constructed in 1970, identified as **CSH**, exhausting through stack I3 with some particulate exhausting through small filters, capacity: 50 tons of sand per hour.
- (f) One (1) core and mold preparation process consisting of the following emission units and pollution control devices:
- (1) Two (2) mold making lines, identified as DM1, one constructed in 1986 with a capacity of 60 tons of sand per hour and one constructed in 1993 with a capacity of 30 tons of sand per hour. Only sand, clay and water are used in the mold making operation.
  - (2) One (1) pallet molding operation, constructed in 1965, capacity: 5 tons of sand per hour. Only sand, clay and water are used in the mold making operation.
  - (3) Ten (10) shell core making machines, seven (7) constructed in 1981 and three (3) constructed in 2005, identified as ~~part of~~ **SCM**, capacity: 2.0 tons of pre-mixed sand per hour, total.
  - (4) One (1) air set core machine, constructed in 1997, identified as ~~part of~~ **ACM**, capacity: 1.5 tons of sand, 3.91 pounds of alphaset and 1.30 pounds of alphacure per hour.
  - (5) ~~Two (2)~~ **One (1)** isocure ~~operation processes, constructed in 1980, identified as part of ICM-1, with catalyst emissions controlled by a fume scrubber, exhausting through stack S8, capacity: 2.0 tons of sand per hour, 80 pounds of isocure per hour, and 20 pounds of catalyst (Dimethylethylamine) or 40 pounds of Triethylamine per hour, total including the following:~~
    - (A) **Two (2) isocure processes, constructed in 1980, identified as ICM-1a and ICM-1b, capacity: 1.0 ton of sand per hour, 30 pounds of resin per hour, and 3 pounds of catalyst (Dimethylethylamine) per hour, each.**
    - (B) **One (1) isocure process, constructed in 2005, identified as ICM-1c, capacity: 0.75 tons of sand per hour, 22.5 pounds of isocure per hour, and 2.25 pounds of catalyst (Dimethylethylamine) per hour.**
  - (6) **One (1) isocure process, constructed in 2006, identified as L-20, including a sand handling operation and an isocure core machine, identified as ICM-2, with catalyst emissions controlled by a fume scrubber, exhausting to stack LA-1, capacity: 1.5 tons of sand per hour, 45 pounds of resin per hour, and 4.5 pounds of non-HAP catalyst per hour.**
  - ~~(6)~~**(7)** One (1) 0.5 million British thermal unit per hour (MMBtu/hr) natural gas-fired core baking oven, constructed in 1970, identified as ~~part of~~ **CM Oven**, exhausting through two (2) stacks, identified as S7A and S7B.
- (g) Inoculation operations, operating since approximately 1973, exhausting inside the building,

with some emissions controlled by the general ventilation baghouse DC1, and exiting through the general building exhaust and at stack S1, capacity: 10 tons of metal per hour.

#### SECTION D.4 FACILITY OPERATION CONDITIONS

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

- (e) One (1) sand handling process consisting of the following emission units and pollution control devices:
  - (1) One (1) muller, constructed in 1987, identified as SH, with PM and PM<sub>10</sub> emissions controlled by baghouse DC3 and exhausting through stack S6 or S6R, maximum capacity: 100 tons of sand per hour.
  - (2) One (1) mold sand handling system, constructed in 1965, identified as MSH, with PM and PM<sub>10</sub> emissions controlled by baghouse DC3 and exhausting through stack S6, maximum capacity: 50 tons of sand per hour.
  - (3) One (1) core sand handling system, constructed in 1970, identified as CSH, exhausting through stack I3 with some particulate exhausting through small filters, capacity: 50 tons of sand per hour.
- (f) One (1) core and mold preparation process consisting of the following emission units and pollution control devices:
  - (1) Two (2) mold making lines, identified as DM1, one constructed in 1986 with a capacity of 60 tons of sand per hour and one constructed in 1993 with a capacity of 30 tons of sand per hour. Only sand, clay and water are used in the mold making operation.
  - (2) One (1) pallet molding operation, constructed in 1965, capacity: 5 tons of sand per hour. Only sand, clay and water are used in the mold making operation.
  - (3) Ten (10) shell core making machines, seven (7) constructed in 1981 and three (3) constructed in 2005, identified as part of SCM, capacity: 2.0 tons of pre-mixed sand per hour, total.
  - (4) One (1) air set core machine, constructed in 1997, identified as part of ACM, capacity: 1.5 tons of sand, 3.91 pounds of alphaset and 1.30 pounds of alphacure per hour.
  - (5) ~~Two (2)~~ **One (1) isocure operation processes, constructed in 1980, identified as part of ICM-1, with catalyst emissions controlled by a fume scrubber, exhausting through stack S8, capacity: 2.0 tons of sand per hour, 80 pounds of isocure per hour, and 20 pounds of catalyst (Dimethylethylamine) or 40 pounds of Triethylamine per hour, total including the following:**
    - (A) **Two (2) isocure processes, constructed in 1980, identified as ICM-1a and ICM-1b, capacity: 1.0 ton of sand per hour, 30 pounds of resin per hour, and 3 pounds of catalyst (Dimethylethylamine) per hour, each.**
    - (B) **One (1) isocure process, constructed in 2005, identified as ICM-1c, capacity: 0.75 tons of sand per hour, 22.5 pounds of resin per hour, and 2.25 pounds of catalyst (Dimethylethylamine) per hour.**
  - (6) **One (1) isocure process, constructed in 2006, identified as L-20, including a sand handling operation and an isocure core machine, identified as ICM-2, with catalyst**

**emissions controlled by a fume scrubber, exhausting to stack LA-1, capacity: 1.5 tons of sand per hour, 45 pounds of resin per hour, and 4.5 pounds of non-HAP catalyst per hour.**

- ~~(6)~~(7) One (1) 0.5 million British thermal unit per hour (MMBtu/hr) natural gas-fired core baking oven, constructed in 1970, identified as ~~part of~~ CM Oven, exhausting through two (2) stacks, identified as S7A and S7B.

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

#### D.4.1 Particulate [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the one (1) muller (~~part of~~ SH) and mold sand handling (MSH), exhausting to baghouse DC3, shall not exceed 51.3 pounds per hour, total, when operating at a process weight rate of 100 tons of sand per hour.
- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the core sand handling operations (~~part of~~ CSH) shall not exceed 44.6 pounds per hour, when operating at a process weight rate of 50 tons of sand per hour.
- (c) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the one (1) isocure process, identified as L-20, sand handling operation shall not exceed 5.4 pounds per hour when operating at a process weight rate of 1.5 tons of sand per hour.

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

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

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

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

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

#### D.4.2 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]

- (a) Any change or modification that increases the potential to emit VOC from any of the seven (7) shell core making machines to 25 tons per year or more, shall cause that facility to become subject to the requirements of 326 IAC 8-1-6, and shall require prior IDEM, OAQ approval.
- (b) Any change or modification that increases the potential to emit VOC from the one (1) airset core machine to 25 tons per year or more, shall cause that facility to become subject to the requirements of 326 IAC 8-1-6, and shall require prior IDEM, OAQ approval.
- (c) Any change or modification that increases the potential to emit VOC from either of the two (2) mold making lines or the pallet molding line to 25 tons per year or more, shall cause that facility to become subject to the requirements of 326 IAC 8-1-6, and shall require prior IDEM, OAQ approval.

- (d) In order to render the requirements of 326 IAC 8-1-6 (New facilities; General reduction requirements) not applicable, the following conditions shall apply to the two (2) isocure processes, **identified as ICM-1a and ICM-1b**, constructed in 1980:
- (1) The resin usage for each isocure process shall not exceed 330,000 pounds of resin per twelve (12) consecutive month period. Total DMEA and Triethylamine usage for each isocure process shall not exceed a combined total of 33,000 pounds of DMEA and Triethylamine per twelve (12) consecutive month period, **with compliance determined at the end of each month.**
  - (2) The VOC emissions (not including DMEA or Triethylamine catalyst) from each of the isocure processes shall not exceed 0.05 pound per pound of resin **before controls.**

Therefore, the requirements of 326 IAC 8-1-6 (New facilities; General reduction requirements) shall not apply.

- (e) **In order to render the requirements of 326 IAC 8-1-6 (New facilities; General reduction requirements) not applicable, the following conditions shall apply to the one (1) isocure process, identified as L-20 (including ICM-2):**
- (1) **The resin usage for the isocure process shall not exceed 331,128 pounds of resin per twelve (12) consecutive month period, with compliance determined at the end of each month, and the total catalyst usage shall not exceed 33,113 pounds per twelve (12) consecutive month period, with compliance determined at the end of each month.**
  - (2) **The VOC emissions (not including catalyst) from the isocure process shall not exceed 0.05 pound per pound of resin before controls.**

#### D.4.3 PSD Minor Modification Limit [326 IAC 2-2]

- (a) In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the following conditions shall apply to the two (2) isocure processes, **identified as ICM-1a and ICM-1b**, constructed in 1980:
- (1) The resin usage for the total of the two (2) isocure processes shall not exceed 532,000 pounds of resin per twelve (12) consecutive month period, **with compliance determined at the end of each month.** Total catalyst (DMEA) and Triethylamine usage for the total of the two (2) isocure processes shall not exceed 53,200 pounds of DMEA and Triethylamine per twelve (12) consecutive month period, **with compliance determined at the end of each month.**
  - (2) The VOC emissions (not including catalyst DMEA or Triethylamine) from the isocure processes shall not exceed 0.05 pound per pound of resin.

Therefore, the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) shall not apply.

- (b) Any change or modification that increases the potential to emit VOC from the seven (7) shell core making machines, constructed in 1981, to 40 tons per year or more shall cause the seven (7) shell core making machines to become subject to 326 IAC 2-2, PSD, and shall require prior IDEM, OAQ, approval.
- (c) Any change or modification that increases the potential to emit VOC from the one (1) mold making line, constructed in 1986, to 40 tons per year or more shall cause the one (1) mold making line to become subject to 326 IAC 2-2, PSD, and shall require prior IDEM, OAQ,

approval.

- (d) Any change or modification that increases the potential to emit VOC from the one (1) air set core machine, constructed in 1997, to 40 tons per year or more shall cause the one (1) air set core machine to become subject to 326 IAC 2-2, PSD, and shall require prior IDEM, OAQ, approval.
- (e) Any change or modification that increases the potential to emit VOC from either of the two (2) mold making lines or the pallet molding line to 40 tons per year or more shall cause the line to become subject to 326 IAC 2-2, PSD, and shall require prior IDEM, OAQ, approval.
- (f) The outlet grain loading at the baghouse (DC3), controlling the one (1) muller and one (1) mold sand handling system, shall not exceed 0.015 grains per dry standard cubic foot and the flow rate shall not exceed 26,000 actual cubic feet per minute. This will limit the potential to emit PM from baghouse DC3 to less than 5.71 pounds per hour and the potential to emit PM<sub>10</sub> to less than 3.42 pounds per hour. Therefore, the potential to emit PM is limited to less than 25 tons per year and the potential to emit PM<sub>10</sub> is limited to less than 15 tons per year from the addition of the one (1) muller, and the modification is a minor modification to an existing major source.
- (g) **In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the following conditions shall apply to the one (1) isocure process, identified as ICM-1c, constructed in 2005:**
  - (1) **The resin usage for the one (1) isocure process shall not exceed 197,100 pounds of resin per twelve (12) consecutive month period, with compliance determined at the end of each month. Total catalyst (DMEA) usage for the one (1) isocure process shall not exceed 19,710 pounds per twelve (12) consecutive month period, with compliance determined at the end of each month.**
  - (2) **The VOC emissions (not including catalyst) from the isocure process shall not exceed 0.05 pound per pound of resin.**

**This limitation, in conjunction with Condition D.4.2(e), shall limit the potential to emit VOC from the 2005/2006 modification to less than forty (40) tons per year and shall render the requirements of 326 IAC 2-2, PSD, not applicable.**

#### ~~D.4.4 HAPs Limit [326 IAC 2-7-10.5(d)]~~

~~In order for the addition of the Triethylamine catalyst to qualify as a minor modification to the Part 70 Operating Permit, pursuant to 326 IAC 2-7-10.5(d)(4)(A), the total usage of Triethylamine to the two (2) isocure processes shall be limited to less than ten (10) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.~~

#### ~~D.4.5 Nonapplicable Conditions~~

- ~~(a) Operation Condition D.4.2 from F 169-6298-00019, issued on June 25, 1997, which states that pursuant to 326 IAC 6-3-2 (Process Operations), the particulate matter (PM) emissions from the facilities and operations of the sand handling process shall be limited to 2.03 pounds per hour, is not applicable because the limit in the FESOP was truncated so that the total of all hourly emission limits, when operating 8,760 hours per year, would result in a potential to emit PM and PM<sub>10</sub> less than 100 tons per year. Since this source is a major source pursuant to 326 IAC 2-2, PSD, and 326 IAC 2-7, Part 70, the truncated hourly limits are not applicable. The facilities will be required to comply with the hourly PM emission limit in Condition D.1.4. Therefore, Condition D.4.2 of F 169-6298-00019, is hereby rescinded.~~

- ~~(b) Operation Condition D.4.3 from F 169-6298-00019, issued on June 25, 1997, which states that the PM<sub>10</sub> emissions from the muller, identified as SH, and the mold sand handling system, identified as SH, both controlled by baghouse DC-3, shall be limited to 4.12 pounds per hour, is not applicable because the PM<sub>10</sub> limit in the FESOP existed so that the total of all hourly emission limits, when operating 8,760 hours per year, would result in a potential to emit PM<sub>10</sub> less than 100 tons per year. Since this source is a major source pursuant to 326 IAC 2-7, Part 70, this PM<sub>10</sub> emission limitation is not required. Therefore, Condition D.4.3 of F 169-6298-00019 is hereby rescinded.~~
- ~~(c) Operation Condition D.5.2 from F 169-6298-00019, issued on June 25, 1997, which states that the particulate matter (PM) emissions from the facilities and operations of the core and mold preparation process listed in Condition A.2(e) shall be limited to 1.13 pounds per hour, is not applicable because the PM limit in the FESOP was truncated so that the total of all hourly emission limits, when operating 8,760 hours per year, would result in a potential to emit PM and PM<sub>10</sub> less than 100 tons per year. Since this source is a major source pursuant to 326 IAC 2-2, PSD, and 326 IAC 2-7, Part 70, the truncated hourly limits are not applicable. The core and mold sand handling operations will be required to comply with the hourly PM emission limit in Condition D.4.1. Therefore, Condition D.5.2 of F 169-6298-00019 is hereby rescinded.~~

#### D.4.64 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 the muller, mold sand handling, and core sand handling and their control devices, and the ~~two (2)~~ **three (3)** isocure processes, **identified as ICM-1, and the one (1) isocure process, identified as L-20 (including ICM-2).**

#### D.4.86 VOC Emissions

Compliance with Conditions D.4.3(a) **and (e)** and D.4.2(d) **and (e)** shall be demonstrated **determined** within **thirty (30)** days of the end of each month based on the total volatile organic compound usage for the **previous** twelve (12) month period.

#### D.4.131 Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19] [326 IAC 2-2]

- (a) To document compliance with Conditions D.4.3(a) **and (e)**, and D.4.2(d) **and (e)**, and D.4.4, the Permittee shall maintain records of the catalyst and resin usage **at each of the three (3) isocure processes, identified as ICM-1, and the one (1) isocure process, identified as L-20 (including ICM-2)**, for each month.
- (b) To document compliance with Conditions D.4.3(a) **and (e)** and D.4.2(d) **and (e)**, the Permittee shall maintain records of the VOC content of binders used at each of the isocure processes each month.
- (c) To document compliance with Condition D.4.408, the Permittee shall maintain records of visible emission notations of the muller and mold sand handling baghouse (DC3) stack and the small filters controlling the core sand handling exhausts once per day.
- (d) To document compliance with Condition D.4.449, the Permittee shall maintain the following:
- (1) Records of the pressure drop for the baghouses during normal operation when venting to the atmosphere once per day.
  - (2) Documentation of the dates vents are redirected.
- (e) **The Permittee shall calculate and maintain a record of the annual emissions from the one (1) scrap handling process, identified as process SI; one (1) melting and casting process, including CP, IF1, IF2, IF3, IF-4, LH1, LH2, LH3, LH4, and all of operation MP;**

**one (1) shakeout operation, identified as operation CCS; one (1) cleaning and finishing process, including CCL1, CCL2, CCL3, GR1, GR2, GR3, GR4, GR5, GR6, GR7, GR8, GR9, and HT1; one (1) sand handling process, including SH, MSH, and CSH; two (2) mold making lines, identified as DM1; one (1) pallet molding operation; one (1) core baking oven, identified as CM Oven; ten (10) shell core machines, identified as SCM; one (1) air set core machine, identified as ACM; two (2) isocure processes, constructed in 1980, identified as ICM-1a and ICM-1b; and the inoculation operations, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the installation of ICM-1c and L-20.**

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

#### D.4.4412 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.4.3(a) **and (e)**, and D.4.2(d) **and (e)**, and ~~D.4.4~~, shall be submitted to the address 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).

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

**Part 70 Quarterly Report**

Source Name: Manchester Metals, LLC  
 Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
 Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
 Part 70 Permit No.: T 169-9014-00019  
 Facilities: Two (2) isocure processes, **identified as ICM-1a and ICM-1b**  
 Parameter: Resin Usage  
 Limit: No more than 330,000 pounds per twelve (12) consecutive month period, each, and no more than 532,000 pounds per twelve (12) consecutive month period, total, **with compliance determined at the end of each month**

YEAR: \_\_\_\_\_

Month	Resin Usage at process-1 ICM-1a (lbs)	Resin Usage at process-2 ICM-1b (lbs)	Total Resin Usage (lbs)	Resin Usage at process-1 ICM-1a (lbs)	Resin Usage at process-2 ICM-1b (lbs)	Total Resin Usage (lbs)	Resin Usage at process-1 ICM-1a (lbs)	Resin Usage at process-2 ICM-1b (lbs)	Total Resin Usage (lbs)
	This Month			Previous 11 Months			12 Month Total		

- 9 No deviation occurred in this month.
- 9 Deviation/s occurred in this month.  
 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: Manchester Metals, LLC  
 Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
 Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
 Part 70 Permit No.: T 169-9014-00019  
 Facilities: Two (2) isocure processes, **identified as ICM-1a and ICM-1b**  
 Parameter: **Catalyst (DMEA) and Triethylamine Usage**  
 Limit: No more than 33,000 pounds per twelve (12) consecutive month period, each,  
 and no more than 53,200 pounds per twelve (12) consecutive month period, total,  
**with compliance determined at the end of each month**

YEAR: \_\_\_\_\_

Month	DMEA and Triethylamine Usage at process 1 <b>ICM-1a</b> (lbs)	DMEA and Triethylamine Usage at process 2 <b>ICM-1b</b> (lbs)	Total DMEA and Triethylamine Usage (lbs)	DMEA and Triethylamine Usage at process 1 <b>ICM-1a</b> (lbs)	DMEA and Triethylamine Usage at process 2 <b>ICM-1b</b> (lbs)	Total DMEA and Triethylamine Usage (lbs)	DMEA and Triethylamine Usage at process 1 <b>ICM-1a</b> (lbs)	DMEA and Triethylamine Usage at process 2 <b>ICM-1b</b> (lbs)	Total DMEA and Triethylamine Usage (lbs)
	This Month			Previous 11 Months			12 Month Total		

- 9 No deviation occurred in this month.
- 9 Deviation/s occurred in this month.  
 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: Manchester Metals, LLC  
 Source Address: 205 Wabash Road, North Manchester, Indiana 46962  
 Mailing Address: P.O. Box 345, North Manchester, Indiana 46962  
 Part 70 Permit No.: T 169-9014-00019  
 Facility: ~~Two (2) isocure processes~~ **One (1) isocure process, identified as L-20 (including ICM-2)**  
 Parameter: Triethylamine Resin Usage  
 Limit: ~~Less than ten (10) tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month.~~ **No more than 311,128 pounds per twelve (12) consecutive month period, with compliance determined at the end of each month**

YEAR: \_\_\_\_\_

Month	Triethyl-amine Usage at process-1 (lbs)	Triethyl-amine Usage at process-2 (lbs)	Total Triethyl-amine Usage (lbs)	Triethyl-amine Usage at process-1 (lbs)	Triethyl-amine Usage at process-2 (lbs)	Total Triethyl-amine Usage (lbs)	Triethyl-amine Usage at process-1 (lbs)	Triethyl-amine Usage at process-2 (lbs)	Total Triethyl-amine Usage (lbs)
	This Month			Previous 11 Months			12 Month Total		

Month	Resin Usage (lbs)	Resin Usage (lbs)	Resin Usage (lbs)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.

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:** Manchester Metals, LLC  
**Source Address:** 205 Wabash Road, North Manchester, Indiana 46962  
**Mailing Address:** P.O. Box 345, North Manchester, Indiana 46962  
**Part 70 Permit No.:** T 169-9014-00019  
**Facility:** One (1) isocure process, identified as L-20 (including ICM-2)  
**Parameter:** Catalyst Usage  
**Limit:** No more than 33,113 pounds per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: \_\_\_\_\_

Month	Catalyst Usage (lbs)	Catalyst Usage (lbs)	Catalyst Usage (lbs)
	This Month	Previous 11 Months	12 Month Total

- ☛ No deviation occurred in this month.
- ☛ Deviation/s occurred in this month.  
 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:** Manchester Metals, LLC  
**Source Address:** 205 Wabash Road, North Manchester, Indiana 46962  
**Mailing Address:** P.O. Box 345, North Manchester, Indiana 46962  
**Part 70 Permit No.:** T 169-9014-00019  
**Facility:** One (1) isocure process, identified as ICM-1c  
**Parameter:** Catalyst Usage  
**Limit:** No more than 197,100 pounds per twelve (12) consecutive month period,  
with compliance determined at the end of each month

YEAR: \_\_\_\_\_

Month	Catalyst Usage (lbs)	Catalyst Usage (lbs)	Catalyst Usage (lbs)
	This Month	Previous 11 Months	12 Month Total

☞ No deviation occurred in this month.

☞ Deviation/s occurred in this month.

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:** Manchester Metals, LLC  
**Source Address:** 205 Wabash Road, North Manchester, Indiana 46962  
**Mailing Address:** P.O. Box 345, North Manchester, Indiana 46962  
**Part 70 Permit No.:** T 169-9014-00019  
**Facility:** One (1) isocure process, identified as ICM-1c  
**Parameter:** Catalyst Usage  
**Limit:** No more than 19,710 pounds per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: \_\_\_\_\_

Month	Catalyst Usage (lbs)	Catalyst Usage (lbs)	Catalyst Usage (lbs)
	This Month	Previous 11 Months	12 Month Total

- ☉ No deviation occurred in this month.
- ☉ Deviation/s occurred in this month.  
Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

In addition, Conditions D.4.7, D.4.9 through D.4.12, have been renumbered as D.4.5, and D.4.7 through D.4.10.

### Change 2:

The phone and facsimile numbers for the OAQ, Compliance Section, have been updated in Condition B.11 and the Emergency Occurrence Report. This change is not related to the new construction, and will be shown only in the permit modification. The updates are as follows:

Telephone Number: 317-233-~~5674~~ **0178** (ask for Compliance Section)  
Facsimile Number: 317-233-~~5967~~ **6865**

### Change 3:

The following additional changes to Section B are not related to the new construction, and will be shown only in the permit modification:

- (a) Upon further review, IDEM has decided to include the following updates to further address and clarify the permit term and the term of the conditions. This includes the addition of the condition, Term of Conditions [326 IAC 2-1.1-9.5], and changes to the Permit Term, Prior Permits Superseded, Termination of Right to Operate, and Permit Renewal Conditions.
- (b) The condition, Source Modification Requirement, has been updated to include a new "b" concerning modifications to a major source. This is a change due to the NSR reform.
- (c) The condition, Duty to Supplement and Provide Information, has been changed to "Duty to Provide Information" and the condition language has been changed accordingly.
- (d) Item "c" under Deviations from Permit Requirements and Conditions has been removed from the permit because Emergency Provisions are covered by a separate condition.
- (e) Although not applicable to this permit, a procedure for backup fuel switches has been added to the Operational Flexibility condition.

Changes are as follows:

## SECTION B GENERAL CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

~~(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  
Indianapolis, Indiana 46204-2251~~

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

~~(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. 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 or, for information claimed to be confidential, the Permittee may furnish such records directly to the U.S. EPA along with a claim of confidentiality. [326 IAC 2-7-5(6)(E)]~~

~~(c) — The Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.~~

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

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

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

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

~~B.9 — Annual Compliance Certification [326 IAC 2-7-6(5)]~~

~~(a) — The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall~~

~~cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:~~

~~Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2254~~

~~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  
Indianapolis, Indiana 46204-2254~~

~~The PMP and the PMP extension notification do 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 contributes to any violation. 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 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  
Indianapolis, Indiana 46204-2254~~

~~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)(10) be revised in response to an emergency.~~
- ~~(f) — Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.~~
- ~~(g) — If the emergency situation causes a deviation from a technology based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.~~
- ~~(h) — The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.~~

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

- ~~(a) — Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.~~

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

requirements.

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

~~The requirement from F 169-6298-00019, issued on June 25, 1997, Condition C.1, listing requirements pursuant to 326 IAC 2-8, is not applicable because this source has requested a Title V, Part 70, Operating Permit. Therefore, the source is subject to 326 IAC 2-7, Part 70, and the 326 IAC 2-8, FESOP, limits are not required.~~

~~(c) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.~~

~~(d) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.~~

~~(e) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:~~

~~(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;~~

~~(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;~~

~~(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and~~

~~(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.~~

~~(f) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).~~

~~(g) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]~~

~~(h) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(7)]~~

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

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

~~(1) incorporated as originally stated,~~

~~(2) revised, or~~

~~(3) deleted~~

by this permit.

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

~~B.14 — Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]~~

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

~~Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2254~~

~~using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirements 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.~~

~~(c) — Emergencies shall be included in the Quarterly Deviation and Compliance Monitoring Report.~~

~~B.15 — Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)] [326 IAC 2-7-9]~~

~~(a) — This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the responsible official as defined by 326 IAC 2-7-1(34).~~

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

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

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

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

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

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

~~provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]~~

~~B.16 Permit Renewal [326 IAC 2-7-4]~~

- ~~(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the responsible official as defined by 326 IAC 2-7-1(34).~~

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

~~Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2254~~

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

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

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

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

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

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

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

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

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

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

- ~~(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.~~

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

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2254

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

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

- ~~(b) Notwithstanding 326 IAC 2-7-12(b)(1)(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.19 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]~~

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

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

~~(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;~~

~~(3) The changes do not result in emissions which exceed 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  
Indianapolis, Indiana 46204-2254~~

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

~~(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]~~

~~The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.~~

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

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

~~B.21 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2]~~

~~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) Have access to and copy any records that must be kept under the conditions of this permit;~~

~~(c) Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;~~

~~(d) Sample or monitor 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.~~

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

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

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

~~Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2254~~

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

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

~~B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)]~~

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

~~(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.~~

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

~~B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314][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 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, 169-9014-00019, 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]**

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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]**

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

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

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

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

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

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

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

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

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- (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)]**

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- (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  
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]**

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- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

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]**

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- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
  - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
  - (2) The permitted facility was at the time being properly operated;
  - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
  - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

**Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or  
Telephone Number: 317-233-0178 (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  
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) In addition to the nonapplicability determinations set forth in Sections D of this permit, the IDEM, OAQ has made the following determinations regarding this source:

The requirement from F 169-6298-00019, issued on June 25, 1997, Condition C.1, listing requirements pursuant to 326 IAC 2-8, is not applicable because this source has requested a Title V, Part 70, Operating Permit. Therefore, the source is subject to 326 IAC 2-7, Part 70, and the 326 IAC 2-8, FESOP, limits are not required.

- (c) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

- (d) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

- (e) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

- (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
- (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
- (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
- (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

- (f) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (g) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (h) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

**B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]**

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- (a) All terms and conditions of permits established prior to 169-9014-00019 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)]**

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

**B.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  
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  
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]**

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(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

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

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

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)]**

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

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

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

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

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

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the 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

**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]**

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- (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]**

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

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

**B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]**

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- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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]**

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- (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]**

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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.

**Change 4:**

Because this source is a major source pursuant to 326 IAC 2-2, Prevention of Significant Deterioration (PSD), the following changes have been made to Conditions C.19 and C.20, due to NSR reform. These changes are not specifically related to the new construction, and will be shown only in the permit modification:

**C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]**

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- (a) Records of all required data, reports and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years. 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) **If there is a reasonable possibility that a “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a “major modification” (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm))”, the Permittee shall comply with following:**
  - (1) **Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:**
    - (A) A description of the project.
    - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
    - (C) A description of the applicability test used to determine that the project

**is not a major modification for any regulated NSR pollutant, including:**

- (i) Baseline actual emissions;**
  - (ii) Projected actual emissions;**
  - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2) (A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(iii)”; and**
  - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.**
- (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and**
- (3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.**

C.20 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 Aresponsible official® as defined by 326 IAC 2-7-1(34).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the Aresponsible 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.**
- (f) **If the Permittee is required to comply with the recordkeeping provisions of (c) in**

**Section C - General Record Keeping Requirements for any “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ, :**

- (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C - General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1(xx) and/or 326 IAC 2-3-1(qq)), for that regulated NSR pollutant, and
  - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
- (1) The name, address, and telephone number of the major stationary source.
  - (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C - General Record Keeping Requirements.
  - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
  - (4) Any other information that the Permittee deems fit to include in this report,
- Reports required in this part shall be submitted to:
- Indiana Department of Environmental Management  
Air Compliance Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251
- (h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C - General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ, . The general public may request this information from the IDEM, OAQ, under 326 IAC 17.1.

<b>Conclusion and Recommendation</b>
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The construction and operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 169-23066-00019 and Significant Permit Modification No. 169-23221-00019. The staff recommends to the Commissioner that these Part 70 Significant Source and Significant Permit Modifications be approved.

**Company Name:** Manchester Metals, LLC  
**Address City IN Zip:** 205 Wabash Road, North Manchester, Indiana 46962  
**Source Modification No.:** 169-23066-00019  
**Permit Modification No.:** 169-23221-00019  
**Reviewer:** CarrieAnn Paukowits  
**Application Date:** May 9, 2006

**Isocure Core Making Process**

Machine	Date of Construction	Capacity (tons cores/hr)	Maximum Resin Content (%)	VOC Emission Factor from Resin Evaporation (lb/ton cores)	Max Catalyst Usage (lb Catalyst/ton cores)	Potential VOC Emissions from resin evap (tons/yr)	Potential VOC Emissions from Catalyst usage (tons/yr)	Total Potential VOC Emissions (tons/yr)
ICM-1c (part of ICM-1)	2005	0.75	1.5%	1.5	3.00	4.93	9.86	14.8
ICM-2 (part of L-20)	2006	1.5	1.5%	1.5	3.00	9.86	19.7	29.6
<b>Total</b>							29.6	44.3

Machine	Date of Construction	VOC Emission Factor from Resin Evaporation (lb/ton cores)	Percent Part 1 Resin	Percent Part 2 Resin	Weight % MDI	Weight % Naphthalene	Weight % Phenol	Weight % Formaldehyde	MDI Emissions (tons/yr)	Naphthalene Emissions (tons/yr)	Phenol Emissions (tons/yr)	Formaldehyde Emissions (tons/yr)	Total HAP Emissions (tons/yr)
ICM-1c (part of ICM-1)	2005	1.5	49%	51%	20.02%	1.01%	3.24%	7.89%	0.225	0.011	0.036	0.089	0.362
ICM-2 (part of L-20)	2006	1.5	49%	51%	20.02%	1.01%	3.24%	7.89%	0.450	0.023	0.073	0.178	0.724
<b>Total</b>									0.676	0.034	0.109	0.266	1.09

Limits Necessary to render 326 IAC 8-1-6 (BACT) not applicable:

Core Machines	Resin usage limit (lbs/yr)	Resin Emission Factor (lb VOC/lb Resin)	Resin VOC PTE (tons/yr) unlimited	Catalyst usage limit (lbs/yr)	Catalyst Emission Factor (lb VOC/lb Catalyst)	Catalyst VOC PTE (tons/yr)	VOC PTE (tons/yr)
ICM-2 (part of L-20)	331128	0.05	8.28	33,113	1.00	16.56	24.8

**Methodology**

Emission factors based on OCMA study.

Conservative estimate of uncontrolled emissions so that no stack test would be necessary to verify emissions.

Weight % HAP = Weight % in the part x Percent Part

For MM5, VOC Resin Emission Factor (lb VOC/lb Resin) = VOC Emission Factor from Resin (lb VOC/ton cores) x tons cores/hr x 1/(tons cores/hr x maximum resin content) x 1 ton/2,000 lbs

Process:	Rate (tons sand/hr)	Pollutant	Emission Factor (lb/ton produced)	PTE (lbs/hr)	PTE (tons/yr)
<b>L-20</b>	1.5				
Sand Handling for ICM-2		PM	3.6	5.40	23.7
Source of Criteria		PM-10	0.54	0.810	3.55
Pollutant Factors:					
FIRE 6.01					
EPA SCC# 3-04-003-5C					