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

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: February 1, 2006

RE: Atlas Foundry Company, LLC / 053-22350-00002

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

Notice of Decision – Approval

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

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

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

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

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

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

Enclosures
FNPER-AM.dot 1/10/05

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Indianapolis, Indiana 46204-2251
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(800) 451-6027
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Mr. John Haney
Atlas Foundry Company, Inc.
P.O. Box 688
Marion, IN 46952

February 1, 2006

Re: **053-22350-00002**
First Administrative Amendment to
FESOP 053-12834-00002

Dear Mr. Haney:

Atlas Foundry Company, Inc. was issued a permit on July 6, 2004 for a stationary gray and ductile iron foundry. A letter requesting a change was received on December 7, 2005. Pursuant to the provisions of 326 IAC 2-8-10 the permit is hereby administratively amended as follows:

The source is constructing a new stand grinder, identified as SG#4. Please note that "***" denotes that there were no changes to the existing equipment or existing permit language. The changes to the permit are as follows:

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

(***)

(r) One (1) stand grinder, identified as SG#4, installed in 2006, equipped with a baghouse, known as baghouse D, exhausted through Stack D, capacity: 2.67 tons of iron per hour.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Shakeout, Pouring, Casting, Cooling, Sand Handling, Shot Blasting & Grinding Operations (Baghouse D & Scrubber C)

(***)

(r) One (1) stand grinder, identified as SG#4, installed in 2006, equipped with a baghouse, known as baghouse D, exhausted through Stack D, capacity: 2.67 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.)

D.2.1 PM and PM_{10} Limitations [326 IAC 2-2] [326 IAC 2-8-4]

(***)

(c) Baghouse D and the following emission units shall be limited to 6,000 hours of operation per twelve (12) consecutive month period with compliance determined at the end of each month. Baghouse D is used in conjunction with:

(1) Disa #1 pouring/casting line

(2) Disa #1 casting cooling process

(3) Disa #1 sand handling process

(4) Disa #2 pouring/casting line

(5) Disa #2 casting cooling process

(6) Disa #2 sand handling process

(7) Didion rotary media shakeout drum

(8) Atlas and Peru shotblast operations

(9) Mesh belt shotblast machine

(10) One (1) belt sander

(11) One (1) stand grinder, identified as SG#4

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

(b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the baghouse D shall not exceed ~~58.4~~ **58.6** pounds per hour when operating at a total process weight rate of ~~198.5~~ **201.2** tons per hour.

D.2.6 Testing Requirements [326 IAC 2-8-5(a)(1),(4)] [326 IAC 2-1.1-11]

To demonstrate compliance with Conditions D.2.1 and D.2.2, a compliance stack test of PM and PM10 for baghouse D, which controls the Disa #1 and #2 pouring/casting, Disa #1 and #2 casting cooling, Disa #1 and #2 sand handling, Didion rotary media drum shakeout, and the mesh belt shotblast, two (2) shotblaster operations**,** ~~and~~ the one (1) belt sander**, and the one (1) stand grinder, identified as SG#4**, shall be performed by May 5, 2009 utilizing methods approved by the Commissioner. PM10 includes filterable and condensible PM10. This test shall be repeated no less than once every five (5) years from the date of this valid compliance demonstration.

Please note the IDEM, OAQ ZIP code has been updated to 46204-2251 throughout the permit.

All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire revised FESOP, with all revisions and amendments made to it, is being provided.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact reviewer, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Original signed by
Kathy Moore, Section Chief
Office of Air Quality

CJF/MES
Attachments
cc: File - Grant County
U.S. EPA, Region V
Grant County Health Department
Air Compliance Section – Marc Goldman
Compliance Branch
Administrative and Development Section
Technical Support and Modeling - Michele Boner

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FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) RENEWAL OFFICE OF AIR QUALITY

Atlas Foundry Company, Inc.
Factory and Henderson Avenues
Marion, Indiana 46952

(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 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses new source review requirements and is intended to fulfill the new source review procedures and permit revision requirements pursuant to 326 IAC 2-8-11.1, applicable to those conditions.

Operation Permit No.: F 053-12834-00002	
Issued by: Paul Dubenetzky, Assistant Commissioner Office of Air Quality	Issuance Date: July 6, 2004 Expiration Date: July 6, 2009

First Administrative Amendment 053-22350-00002	Sections Amended: A.2 and D.2
Issued by: Original signed by Kathy Moore, Branch Chief Office of Air Quality	Issuance Date: February 1, 2006 Expiration Date: July 6, 2009

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SECTION A SOURCE SUMMARY

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

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary gray and ductile iron foundry.

Authorized Individual:	President
Source Address:	Factory and Henderson Avenues, Marion, Indiana 46952
Mailing Address:	P.O. Box 688, Marion, Indiana 46952
General Source Phone:	765-662-2525
SIC Code:	3321
Source Location Status:	Grant Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

(a) Two (2) electric induction furnaces, equipped with a baghouse, known as baghouse E, installed in 1996, exhausted through Stack E, capacity: 4.4 tons of iron per hour, each.

(b) Two (2) charge handling systems, equipped with a baghouse, known as baghouse E, installed in 1996 and 2000, exhausted through Stack E, capacity: 4.4 tons of iron per hour, each.

(c) One (1) Aisco rotary drum shakeout operation, equipped with a wet scrubber, known as wet scrubber C, installed in 1982, exhausted through Stack C, capacity: 10 tons of iron and 60 tons of sand per hour.

(d) One (1) Disa #1 pouring/casting line, 50% of emissions captured by baghouse D, installed in 1982, exhausted through Stack D, capacity: 10 tons of iron per hour.

(e) One (1) Disa #1 castings cooling process, equipped with a baghouse, known as baghouse D, installed in 1982, exhausted through Stack D, capacity: 10 tons of iron per hour.

(f) One (1) Disa #1 sand handling process, equipped with a baghouse, known as baghouse D, installed in 1982, exhausted through Stack D, capacity: 65 tons of sand per hour.

(g) One (1) Disa #2 pouring/casting line, 50% of emissions captured by baghouse D installed in 2000, exhausted through Stack D, capacity: 10 tons of iron per hour.

(h) One (1) Disa #2 castings cooling process, equipped with a baghouse, known as baghouse D, installed in 2000, exhausted through Stack D, capacity: 10 tons of iron per hour.

(i) One (1) Disa #2 sand handling process, equipped with a baghouse, known as baghouse D, installed in 2000, exhausted through Stack D, capacity: 65 tons of sand per hour.

(j) One (1) Didion rotary media shakeout drum, equipped with a baghouse, known as baghouse D, installed in 1999, exhausted through Stack D, capacity: 10 tons of iron and 0.2 tons of sand per hour.

(k) Two (2) shotblast operations, equipped with a baghouse, known as baghouse D, installed in 1963 (Atlas) and 1982 (Peru), exhausted through Stack D, capacity: 5.0 tons of iron per hour, each.

(l) One (1) mesh belt shotblast machine, equipped with a baghouse, known as baghouse D installed in 1999, exhausted through Stack D, capacity: 5.0 tons of iron castings and 1.25 tons of steel shot per hour.

(m) Three (3) stand grinders, equipped with a baghouse, known as baghouse A, installed in 1993, 1993 and 1994, exhausted through Stack A, capacity: 2.67 tons of iron per hour, each.

(n) One (1) belt sander, equipped with a baghouse, known as baghouse D, installed in 2002, capacity: 2.0 tons of iron per hour.

(o) One (1) Isocure (phenolic urethane cold box) core-system, consisting of two (2) Isocure core machines, one (1) Isocure sand mixer, one (1) sand heater, one (1) sand storage bin (1,000 pounds of sand capacity), a cold sand silo (28 tons capacity) equipped with a filter for PM control, and a pneumatic sand conveying system, installed in 1985, exhausted through Stacks S1, S2 and S4, capacity: 0.75 tons of cores per hour, total.

(p) One (1) shell (phenolic hot box) core system, consisting of nine (9) shell core machines, two (2) sand conveyors, and two (2) sand silos; seven (7) shell core machines installed in 1960 and two (2) shell core machines installed in 1983, capacity: 28 tons of sand for each silo and 1.0 ton of cores per hour, total.

(q) One (1) continuous blast steel shotblaster, known as continuous blast, equipped with a baghouse, known as baghouse A, installed in 2004, exhausted through Stack A, capacity: 10.0 tons of iron per hour.

(r) One (1) stand grinder, identified as SG#4, installed in 2006, equipped with a baghouse, known as baghouse D, exhausted through Stack D, capacity: 2.67 tons of iron per hour.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

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

(a) Natural gas-fired combustion units, rated at a total of 4.509 million British thermal units per hour.

(b) Storage tanks with capacities less than 1,000 gallons.

(c) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

(d) Replacement or repair of electrostatic precipitators, bags in baghouses and filter in other air filtration equipment.

(e) Paved and unpaved roads and parking lots with public access.

(f) Gasoline generators not exceeding 110 horsepower.

(g) Grinding and machining operations (326 IAC 6-3-2).

(h) Mold release agents using low volatile products.

(i) One (1) Isocure sand mixer and shell sand handling (326 IAC 6-3-2).

(j) Combustion source flame safety purging on startup.

(k) Refractory storage not requiring air pollution control equipment.

(l) Degreasing operations that do not exceed 145 gallons per twelve (12) months, except if subject to 326 IAC 20-6 (326 IAC 8-3-3) (326 IAC 8-3-6).

(m) Forced and induced draft cooling tower system not regulated under a NESHAP.

(n) Heat exchanger, cleaning and repair.

(o) A laboratory as defined in 326 IAC 2-7-1(21)(D).

(p) Any operation using aqueous solutions containing less than 1 percent by weight of VOCs excluding HAPs.

(q) One (1) diesel fired emergency generator rated at 400 output horsepower, not to exceed five hundred (500) hours of operation per year.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) to renew a Federally Enforceable State Operating Permit (FESOP).

A.5 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.

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

B.2 Definitions [326 IAC 2-8-1]

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.3 Permit Term [326 IAC 2-8-4(2)] [326 IAC 2-1.1-9.5]

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

B.4 Enforceability [326 IAC 2-8-6]

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 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

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 2-8-3(h) and 326 IAC 2-8-9.

B.6 Severability [326 IAC 2-8-4(4)]

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

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

B.8 Duty to Provide Information [326 IAC 2-8-4(5)(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 “authorized individual” as defined by 326 IAC 2-1.1-1(1). 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.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.10 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

(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 an authorized individual 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) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.11 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

(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. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

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

(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 2-8-4(3); and

(5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, may require to determine the compliance status of the source.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.12 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs), 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.

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

(c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

B.13 Emergency Provisions [326 IAC 2-8-12]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes 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 No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967

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

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

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 2-8-4(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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) 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 2-8 and any other applicable rules.

(g) Operations may continue during an emergency only if the following conditions are met:

(1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

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

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

B.14 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), 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 need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

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

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP 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 2-8-4(5)(C)] The notification by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(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 2-8-8(a)]

(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 2-8-8(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-8-8(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 2-8-8(c)]

B.16 Permit Renewal [326 IAC 2-8-3(h)]

(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 2-8-3. 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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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) Timely Submittal of Permit Renewal [326 IAC 2-8-3]

(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 until the renewal permit has been issued or denied.

(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]
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 2-8 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 needed to process the application.

B.17 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

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

B.18 Operational Flexibility [326 IAC 2-8-15] [326 IAC 2-8-11.1]

(a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:

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

(2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

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

(4) The Permittee notifies the:

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

and

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

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

(5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

(b) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).

(c) Alternative Operating Scenarios [326 IAC 2-8-15(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 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

B.19 Permit Revision Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.20 Inspection and Entry [326 IAC 2-8-5(a)(2)] [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 FESOP 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, at reasonable times, 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 at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

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

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

B.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

(a) The Permittee must comply with the requirements of 326 IAC 2-8-10 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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16] [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) 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 317-233-4320 (ask for OAQ, Billing, Licensing, and Training Section (BLT)), to determine the appropriate permit fee.

B.23 Advanced Source Modification Approval [326 IAC 2-8-4(11)] [326 IAC 2-1.1-9]

(a) The requirements to obtain a permit revision under 326 IAC 2-8-11.1 are satisfied by this permit for the proposed emission units, control equipment and insignificant activities in Sections A.2 and A.3.

(b) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction work is suspended for a continuous period of one (1) year or more.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

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

(a) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than one hundred (100) pounds per hour shall not exceed 0.551 pounds per hour.

(b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 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 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

(1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable;

(2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and

(3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary 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.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

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

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

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

C.7 Operation of Equipment [326 IAC 2-8-5(a)(4)]

Except as otherwise provided by statute, rule or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.8 Stack Height [326 IAC 1-7]

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

C.9 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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

Testing Requirements [326 IAC 2-8-4(3)]

C.10 Performance Testing [326 IAC 3-6]

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing 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 “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.12 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and record Keeping requirements not already legally required shall be implemented upon issuance of this permit. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.

Unless otherwise specified in the approval for the new emissions unit, compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

C.13 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.14 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]

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

(b) Whenever a condition in this permit requires the measurement of a temperature, or flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ("2%) of full scale reading.

(c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one (1) pH point.

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

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.15 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

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

C.16 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:

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

(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.

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

(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or

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

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

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

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

(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.

(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.

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

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

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

(e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

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

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

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

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

The response action documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.18 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

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

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

C.19 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Reporting periods are based on calendar years.

Stratospheric Ozone Protection

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

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

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

(b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Charge Handling and Melting Operations (Baghouse E)

(a) Two (2) electric induction furnaces, equipped with a baghouse, known as baghouse E, installed in 1996, exhausted through Stack E, capacity: 4.4 tons of iron per hour, each.

(b) Two (2) charge handling systems, equipped with a baghouse, known as baghouse E, installed in 1996 and 2000, exhausted through Stack E, capacity: 4.4 tons of iron per hour, each.

(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 2-8-4(1)]

D.1.1 PM and PM_{10} Limitations [326 IAC 2-2] [326 IAC 2-8-4]

(a) The total amount of metal throughput to the two (2) electric induction furnaces shall not exceed 52,800 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(b) The PM emission rate from baghouse E associated with the two (2) electric induction furnaces and the two (2) charge handling systems shall not exceed a total of 0.210 pounds per ton of metal charged and melted.

(c) The PM_{10} emission rate from baghouse E associated with the two (2) electric induction furnaces and the two (2) charge handling systems shall not exceed a total of 0.336 pounds per ton of metal charged and melted.

(d) Compliance with the above limits renders the requirements of 326 IAC 2-2 not applicable.

(e) Compliance with the limits in (a) and (c) also satisfies the requirements of 326 IAC 2-8-4 for the entire source.

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

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the baghouse E associated with the electric induction furnaces and charge handling operations shall not exceed 28.0 pounds per hour when operating at a total process weight rate of 17.6 tons per hour.

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

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

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

D.1.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

D.1.4 Testing Requirements [326 IAC 2-8-5(a)(1),(4)] [326 IAC 2-1.1-11]

By August 28, 2006 in order to demonstrate compliance with Conditions D.1.1 and D.1.2, the Permittee shall perform PM and PM_{10} testing of baghouse E associated with the charge handling and melting operations utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be conducted in accordance with Section C- Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.1.5 Particulate Control

In order to comply with Conditions D.1.1 and D.1.2, baghouse E for particulate control shall be in operation and control emissions from the charge handling and melting operations at all times that the electric induction furnaces and/or charge handling systems are in operation.

D.1.6 Visible Emissions Notations

(a) Visible emission notations of the stack exhaust E shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

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

D.1.7 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse E used in conjunction with the electric induction furnaces and charge handling systems, at least once per shift when either of the electric furnaces or either of the charge handling systems are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 3.0 and 9.5 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

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

D.1.8 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the electric induction furnaces and charge handling systems. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.1.9 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.10 Record Keeping Requirements

(a) To document compliance with Condition D.1.1(a), the Permittee shall maintain records of the total amount of metal melted in the two (2) electric induction furnaces on a monthly basis.

(b) To document compliance with Condition D.1.6, the Permittee shall maintain records of visible emission notations of the stack exhaust E once per shift.

(c) To document compliance with Condition D.1.7, the Permittee shall maintain records once per shift of the total static pressure drop during normal operation.

(d) To document compliance with Condition D.1.8, the Permittee shall maintain records of the results of the inspections required under Condition D.1.8.

(e) To document compliance with Condition D.1.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.

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

D.1.11 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.1(a) 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 report submitted by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Shakeout, Pouring, Casting, Cooling, Sand Handling, Shot Blasting & Grinding Operations (Baghouse D & Scrubber C)

(c) One (1) Aisco rotary drum shakeout operation, equipped with a wet scrubber, known as wet scrubber C, installed in 1982, exhausted through Stack C, capacity: 10 tons of iron and 60 tons of sand per hour.

(d) One (1) Disa #1 pouring/casting line, 50% of emissions captured by baghouse D, installed in 1982, exhausted through Stack D, capacity: 10 tons of iron per hour.

(e) One (1) Disa #1 castings cooling process, equipped with a baghouse, known as baghouse D, installed in 1982, exhausted through Stack D, capacity: 10 tons of iron per hour.

(f) One (1) Disa #1 sand handling process, equipped with a baghouse, known as baghouse D, installed in 1982, exhausted through Stack D, capacity: 65 tons of sand per hour.

(g) One (1) Disa #2 pouring/casting line, 50% of emissions captured by baghouse D installed in 2000, exhausted through Stack D, capacity: 10 tons of iron per hour.

(h) One (1) Disa #2 castings cooling process, equipped with a baghouse, known as baghouse D, installed in 2000, exhausted through Stack D, capacity: 10 tons of iron per hour.

(i) One (1) Disa #2 sand handling process, equipped with a baghouse, known as baghouse D, installed in 2000, exhausted through Stack D, capacity: 65 tons of sand per hour.

(j) One (1) Didion rotary media shakeout drum, equipped with a baghouse, known as baghouse D, installed in 1999, exhausted through Stack D, capacity: 10 tons of iron and 0.2 tons of sand per hour.

(k) Two (2) shotblast operations, equipped with a baghouse, known as baghouse D, installed in 1963 (Atlas) and 1982 (Peru), exhausted through Stack D, capacity: 5.0 tons of iron per hour, each.

(l) One (1) mesh belt shotblast machine, equipped with a baghouse, known as baghouse D installed in 1999, exhausted through Stack D, capacity: 5.0 tons of iron castings and 1.25 tons of steel shot per hour.

(n) One (1) belt sander, equipped with a baghouse, known as baghouse D, installed in 2002, capacity: 2.0 tons of iron per hour.

(r) One (1) stand grinder, identified as SG#4, installed in 2006, equipped with a baghouse, known as baghouse D, exhausted through Stack D, capacity: 2.67 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 2-8-4(1)]

D.2.1 PM and PM_{10} Limitations [326 IAC 2-2] [326 IAC 2-8-4]

(a) The total PM emission rate from baghouse D shall not exceed a total of 7.00 (seven) pounds per hour.

(b) The total PM_{10} emission rate from baghouse D shall not exceed a total of 10.0 (ten) pounds per hour.

(c) Baghouse D and the following emission units shall be limited to 6,000 hours of operation per twelve (12) consecutive month period with compliance determined at the end of each month. Baghouse D is used in conjunction with:

(1) Disa #1 pouring/casting line

(2) Disa #1 casting cooling process

(3) Disa #1 sand handling process

(4) Disa #2 pouring/casting line

(5) Disa #2 casting cooling process

(6) Disa #2 sand handling process

(7) Didion rotary media shakeout drum

(8) Atlas and Peru shotblast operations

(9) Mesh belt shotblast machine

(10) One (1) belt sander

(11) One (1) stand grinder, identified as SG#4

(d) The PM emission rate from scrubber C used in conjunction with the Aisco rotary drum shakeout operation shall not exceed 0.608 pounds per ton of metal.

(e) The PM_{10} emission rate from scrubber C used in conjunction with the Aisco rotary drum shakeout operation shall not exceed a total of 0.608 pounds per ton of metal.

(f) Compliance with the above limits renders the requirements of 326 IAC 2-2 not applicable.

(g) Compliance with the limits in (b) and (e) also satisfies the requirements of 326 IAC 2-8-4 for the entire source.

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

(a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the scrubber C used in conjunction with the Aisco rotary drum shakeout operation shall not exceed 47.8 pounds per hour when operating at a total process weight rate of 70.0 tons per hour.

(b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the baghouse D shall not exceed 58.6 pounds per hour when operating at a total process weight rate of 201.2 tons per hour.

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

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

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

D.2.3 VOC Limitation [326 IAC 8-1-6]

(a) The amount of metal throughput to the Disa #1 line and the Disa #2 line shall not exceed 37,300 tons per twelve (12) consecutive month period, each, with compliance determined at the end of each month.

(b) The total VOC emissions from the Disa #1 and the Disa #2 pouring, cooling and shakeout operations shall not exceed 1.34 pounds per ton of metal.

(c) Compliance with the above limits renders the requirements of 326 IAC 8-1-6 not applicable to either of the Disa #1 and the Disa #2 pouring, cooling and shakeout operations.

D.2.4 HAP Limitations [326 IAC 2-8-4]

The amount of organic HAPs from baghouse D (associated with the Disa #1 and Disa #2 pouring/casting lines as well as the Didion shakeout) and the fugitive HAP emissions from the Disa #1 and Disa #2 pouring/casting lines shall not exceed a total of 2.28 pounds per hour. Compliance with this limit satisfies the requirements of 326 IAC 2-8-4 for a single and the combination of HAPs.

D.2.5 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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.2.6 Testing Requirements [326 IAC 2-8-5(a)(1),(4)] [326 IAC 2-1.1-11]

To demonstrate compliance with Conditions D.2.1 and D.2.2, a compliance stack test of PM and PM_{10} for baghouse D, which controls the Disa #1 and #2 pouring/casting, Disa #1 and #2 casting cooling, Disa #1 and #2 sand handling, Didion rotary media drum shakeout, and the mesh belt shotblast, two (2) shotblaster operations, the one (1) belt sander, and the one (1) stand grinder, identified as SG#4, shall be performed by May 5, 2009 utilizing methods approved by the Commissioner. PM_{10} includes filterable and condensible PM_{10}. This test shall be repeated no less than once every five (5) years from the date of this valid compliance demonstration.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.2.7 Particulate Control

(a) In order to comply with Conditions D.2.1 and D.2.2, scrubber C for particulate control shall be in operation and control emissions from the Aisco rotary drum shakeout operation at all times that this process is in operation.

(b) In order to comply with Conditions D.2.1 and D.2.2, baghouse D for particulate control shall be in operation and control emissions from the emission units listed in Condition D.2.1(c) at all times that any of these processes are in operation.

D.2.8 Visible Emissions Notations

(a) Visible emission notations of the stack exhausts C and D shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

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

D.2.9 Parametric Monitoring

(a) The Permittee shall record the total static pressure drop and the scrubbing liquid (water) flow rate from the scrubber controlling the Aisco rotary drum shakeout operation at least once per shift when this process is in operation. When for any one reading, the pressure drop across the scrubber C is below a minimum of 1.5 inches of water and/or the flow rate for the scrubbing liquid is less than a minimum of 180 gallons of water per minute or a pressure drop minimum and flow rate established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading or flow rate that is below the above mentioned minimum is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

(b) The Permittee shall record the total static pressure drop across the baghouse D used in conjunction with the emission units listed in Condition D.2.1(c) at least once per shift when any of these facilities is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 3.0 and 9.5 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

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

D.2.10 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the emission units listed in Condition D.2.1(c). Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.2.11 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall

include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

D.2.12 Scrubber Inspections

An inspection shall be performed each calendar quarter of the scrubber controlling the Aisco rotary drum shakeout operation. Inspections required by this condition shall not be performed in consecutive months. All defective scrubber parts shall be replaced.

D.2.13 Scrubber Failure

In the event that a scrubber failure has been observed:

If failure is indicated, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.14 Record Keeping Requirements

(a) To document compliance with Condition D.2.1(c), the Permittee shall maintain records of the number of hours that baghouse D and the total hours that any emission unit controlled by baghouse D is in operation on a monthly basis.

(b) To document compliance with Condition D.2.3(a), the Permittee shall maintain records of the total amount of metal throughput to the Disa #1 pouring line and the Disa #2 pouring line on a monthly basis.

(c) To document compliance with Condition D.2.8, the Permittee shall maintain records of visible emission notations of the stack exhausts C and D once per shift.

(d) To document compliance with Condition D.2.9(a), the Permittee shall maintain records once per shift of the total static pressure drop and the scrubbing liquid (water) flow rate during normal operation.

(e) To document compliance with Condition D.2.9(b), the Permittee shall maintain records once per shift of the total static pressure drop during normal operation.

(f) To document compliance with Conditions D.2.10 and D.2.12, the Permittee shall maintain records of the results of the inspections required under Conditions D.2.10 and D.2.12.

(g) To document compliance with Condition D.2.5, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.

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

D.2.15 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.2.1(c) and D.2.3(a) 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 report submitted by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Grinding & Shotblasting Operations

(m) Three (3) stand grinders, equipped with a baghouse, known as baghouse A, installed in 1993, 1993 and 1994, exhausted through Stack A, capacity: 2.67 tons of iron per hour, each.

(q) One (1) continuous blast steel shotblaster, known as continuous blast, equipped with a baghouse, known as baghouse A, installed in 2004, exhausted through Stack A, capacity: 10.0 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.)

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1 AND 326 IAC 2-8-11.1, WITH CONDITIONS LISTED BELOW.

Construction Conditions

General Construction Conditions

D.3.1 Permit No Defense

This permit to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

Effective Date of the Permit

D.3.2 Effective Date of the Permit [IC13-15-5-3]

Pursuant to IC 13-15-5-3, this section of this permit becomes effective upon its issuance.

D.3.3 Modification to Construction Conditions [326 IAC 2]

All requirements of these construction conditions shall remain in effect unless modified in a manner consistent with procedures established for revisions pursuant to 326 IAC 2.

Operation Conditions

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.3.4 PM and PM_{10} Limitations [326 IAC 2-2] [326 IAC 2-8-4]

(a) The PM emission rate from baghouse A associated with the three (3) stand grinders and the continuous blast steel shotblaster shall not exceed a total of 3.00 pounds per hour.

(b) The PM_{10} emission rate from baghouse A associated with the three (3) stand grinders and the continuous blast steel shotblaster shall not exceed a total of 3.00 pounds per hour.

(c) Compliance with the above limits renders the requirements of 326 IAC 2-2 not applicable.

(d) Compliance with the limit in (b) also satisfies the requirements of 326 IAC 2-8-4 for the entire source.

D.3.5 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the baghouse A associated with the three (3) stand grinders and the continuous blast steel shotblaster shall not exceed 28.4 pounds per hour when operating at a total process weight rate of 18.0 tons per hour.
]
The pounds per hour limitation was calculated with the following equation:

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

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

D.3.6 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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.3.7 Testing Requirements [326 IAC 2-8-5(a)(1),(4)] [326 IAC 2-1.1-11]

Within 180 days of the installation of the proposed baghouse A and the continuous blast steel shotblaster in order to demonstrate compliance with Conditions D.3.4(d) and (e) and Condition D.3.5, the Permittee shall perform PM and PM_{10} testing of baghouse A associated with the three (3) stand grinders and the continuous blast steel shotblaster utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be conducted in accordance with Section C- Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.3.8 Particulate Control

In order to comply with Conditions D.3.4 and D.3.5, baghouse A for particulate control shall be in operation and control emissions from the three (3) stand grinders and the continuous blast steel shotblaster at all times that these facilities are in operation.

D.3.9 Visible Emissions Notations

(a) Visible emission notations of the stack exhaust A shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Imple-

mentation, Records, and Reports, shall be considered a deviation from this permit.

D.3.10 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse A used in conjunction with the three (3) stand grinders and the continuous blast steel shotblaster, at least once per shift when any of the three (3) stand grinders and/or the continuous blast steel shotblaster is in operation. When for any one 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- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

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

D.3.11 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the three (3) stand grinders and the continuous blast steel shotblaster. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.3.12 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.3.13 Record Keeping Requirements

(a) To document compliance with Condition D.3.9, the Permittee shall maintain records of visible emission notations of the stack exhaust B once per shift.

(b) To document compliance with Condition D.3.10, the Permittee shall maintain records once per shift of the total static pressure drop during normal operation.

(c) To document compliance with Condition D.3.11, the Permittee shall maintain records of the results of the inspections required under Condition D.3.11.

(d) To document compliance with Condition D.3.6, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.

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

SECTION D.4 FACILITY CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Core Making Operations

(p) One (1) Isocure (phenolic urethane cold box) core-system, consisting of two (2) Isocure core machines, one (1) Isocure sand mixer, one (1) sand heater, one (1) sand storage bin (1,000 pounds of sand capacity), a cold sand silo (28 tons capacity) equipped with a filter for PM control, and a pneumatic sand conveying system, installed in 1985, exhausted through Stacks S1, S2 and S4, capacity: 0.75 tons of cores per hour, total.

(q) One (1) shell (phenolic hot box) core system, consisting of nine (9) shell core machines, two (2) sand conveyors, and two (2) sand silos; seven (7) shell core machines installed in 1960 and two (2) shell core machines installed in 1983, capacity: 28 tons of sand for each silo and 1.0 ton of cores per hour, total.

(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 2-8-4(1)]

D.4.1 Volatile Organic Compounds (VOCs) [326 IAC 8-1-6]

Any change or modification which would increase the potential to emit VOC to twenty-five (25) tons per year or more from the two (2) Isocure core machines, installed in 1985, or the two (2) shell core machines, installed in 1983, shall require prior approval from IDEM, OAQ.

D.4.2 Hazardous Air Pollutants (HAPs) [326 IAC 2-8-4]

The amount of TEA usage from amine gas catalysts in the isocure-core system shall not exceed 17,520 pounds per twelve (12) consecutive month period with compliance determined at the end of each month. Compliance with this limit satisfies the requirements of 326 IAC 2-8-4.

Compliance Determination Requirements

There are no applicable compliance determination conditions for these emission units.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

There are no applicable compliance monitoring conditions for these emission units.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.4.3 Record Keeping Requirements

To document compliance with Conditions D.4.1 and D.4.2, the Permittee shall maintain records of the amount of all resins and catalysts as well as the VOC and HAPs content of all resins and catalysts used in the core making operations.

D.4.4 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.4.2 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 report submitted by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Insignificant Activities

(g) Grinding and machining operations (326 IAC 6-3-2).

(i) One (1) Isocure sand mixer and shell sand handling (326 IAC 6-3-2).

(l) Degreasing operations that do not exceed 145 gallons per twelve (12) months, except if subject to 326 IAC 20-6 (326 IAC 8-3-3) (326 IAC 8-3-6).

(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 2-8-4(1)]

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

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the grinding and machining operations shall not exceed the pound per hour emission rate established as E in the following formula:

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

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

D.5.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-3]

Pursuant to 326 IAC 8-3-3 (Open Top Vapor Degreasing Operations) for open top vapor degreasing operations constructed after January 1, 1980, the Permittee shall:

(a) equip the open top vapor degreaser with a cover that can be opened and closed easily without disturbing the vapor zone;

(b) keep the cover closed at all times except when processing workloads through the degreaser;

(c) minimize solvent carry-out by:

(1) Racking parts to allow complete drainage;

(2) Moving parts in and out of the degreaser at less than eleven (11) feet per minute;

(3) Degreasing the workload in the vapor zone at least thirty (30) seconds or until condensation ceases;

(4) Tipping out any pools of solvent on the cleaned parts before removal;

(5) Allowing parts to dry within the degreaser for at least fifteen (15) seconds or until visually dry;

(d) not degrease porous or absorbent materials, such as cloth, leather, wood or rope;

(e) not occupy more than half of the degreaser's open top area with the workload;

(f) not load the degreaser such that the vapor level drops more than fifty percent (50%) of the vapor depth when the workload is removed;

(g) never spray above the vapor level;

(h) repair solvent leaks immediately, or shut down the degreaser;

(i) store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, such that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere;

(j) not use workplace fans near the degreaser opening;

(k) not allow visually detectable water in the solvent exiting the water separator; and

(l) provide a permanent, conspicuous label summarizing the operating requirements.

D.5.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-6]

Pursuant to 326 IAC 8-3-6 (Open Top Vapor Degreaser Operation and Control Requirements), for open top vapor degreasing operations with an air to solvent interface of ten and eight-tenths (10.8) square feet or greater and constructed after July 1, 1990,

(a) The Permittee shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover that can be opened and closed easily without disturbing the vapor zone;

(2) Equip the degreaser with the following switches:

(A) A condenser flow switch and thermostat which shuts off sump heat if condenser coolant stops circulating or becomes too warm.

(B) A spray safety switch shuts off spray pump if the vapor level drops more than four (4) inches.

(3) Equip the degreaser with a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) Equip the degreaser with one (1) of the following control devices:

(A) A freeboard ratio of seventy-five hundredths (0.75) or greater and a powdered cover if the degreaser opening is greater than ten and eight-tenths (10.8) square feet; or

(B) A refrigerated chiller; or

(C) An enclosed design in which the cover opens only when the article is actually entering or exiting the degreaser; or

(D) A carbon adsorption system with ventilation which, with the cover open, achieves a ventilation rate of greater than or equal to fifty (50) cubic feet per minute per square foot of air to vapor interface area and an average of less than twenty-five parts per million of solvent is exhausted over one (1) complete adsorption cycle; or

(E) Other systems of demonstrated equivalent or better control as those outlined in (A) through (D). Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) The Permittee shall ensure that the following operating requirements are met:

(1) Keep the cover closed at all times except when processing workloads through the degreaser;

(2) Minimize solvent carryout emissions by:

(A) racking articles to allow complete drainage;

(B) moving articles in and out of the degreaser at less than eleven feet per minute;

(C) degreasing the workload in the vapor zone at least thirty (30) seconds or until condensation ceases;

(D) tipping out any pools of solvent on the cleaned articled before removal; and

(E) allowing articles to dry within the degreaser for at least fifteen (15) seconds or until visually dry;

(3) Prohibit the entrance into the degreaser of porous or absorbent materials such as, but not limited to, cloth, leather, wood or rope;

(4) Prohibit occupation of more than one half (½) of the degreaser's open top area with the workload;

(5) Prohibit the loading of the degreaser to the point where the vapor level would drop more than four (4) inches when the workload is removed;

(6) Prohibit solvent spraying above the vapor level;

(7) Repair solvent leaks immediately or shut down the degreaser if leaks cannot be repaired immediately;

(8) Store waste solvent only in covered containers and prohibit the disposal transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent (by weight) could evaporate;

(9) Prohibit the exhaust ventilation rate from exceeding sixty-five cubic feet per minute per square foot of degreaser open area unless a greater ventilation rate is necessary to meet Occupational Safety and Health Administration (OSHA) requirements;

(10) Prohibit the use of workplace fans near the degreaser opening;

(11) Prohibit visually detectable water in the solvent exiting the water separator.

Compliance Determination Requirements

There are no compliance determination conditions required for these specific facilities.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

There are no compliance monitoring conditions required for these specific facilities.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Atlas Foundry Company, Inc.
Source Address: Factory and Henderson Avenues, Marion, Indiana 46952
Mailing Address: P.O. Box 688, Marion, Indiana 46952
FESOP No.: F 053-12834-00002

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

Please check what document is being certified:

Annual Compliance Certification Letter

Test Result (specify) _____

Report (specify) _____

Notification (specify) _____

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: 317-233-5674
Fax: 317-233-5967

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT

Source Name: Atlas Foundry Company, Inc.
Source Address: Factory and Henderson Avenues, Marion, Indiana 46952
Mailing Address: P.O. Box 688, Marion, Indiana 46952
FESOP No.: F 053-12834-00002

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

9 This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16

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

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

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

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe: Type of Pollutants Emitted: TSP, PM_{10}, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

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

FESOP Quarterly Report

Source Name: Atlas Foundry Company, Inc.
Source Address: Factory and Henderson Avenues, Marion, Indiana 46952
Mailing Address: P.O. Box 688, Marion, Indiana 46952
FESOP No.: F 053-12834-00002
Facilities: Two (2) electric induction furnaces and two (2) charge handling systems
Parameter: Amount of metal throughput
Limit: Total of 52,800 tons per twelve (12) consecutive month period with compliance determined at the end of each month, equivalent to less than one hundred (100) tons per year of PM and PM_{10} for entire source and equivalent to less than ten (10) tons per year of a single HAP and less than twenty-five (25) tons per year for the combination of HAPs.

YEAR: _____

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

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Atlas Foundry Company, Inc.
Source Address: Factory and Henderson Avenues, Marion, Indiana 46952
Mailing Address: P.O. Box 688, Marion, Indiana 46952
FESOP No.: F 053-12834-00002
Facility: Baghouse D
Parameter: Hours of Operation
Limit: 6,000 hours per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

Month	Hours of Operation	Hours of Operation	Hours of Operation
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Atlas Foundry Company, Inc.
Source Address: Factory and Henderson Avenues, Marion, Indiana 46952
Mailing Address: P.O. Box 688, Marion, Indiana 46952
FESOP No.: F 053-12834-00002
Facilities: Disa #1 pouring/casting line, casting cooling process, sand handling process, Disa #2 pouring/casting line, casting cooling process, sand handling process, Didion rotary media shakeout drum, Atlas and Peru shotblast operations, Mesh belt shotblast machine and the belt sander
Parameter: Hours of Operation
Limit: 6,000 hours per twelve (12) consecutive month period with compliance determined at the end of each month.

Emission Unit _____ YEAR: _____

Month	Hours of Operation	Hours of Operation	Hours of Operation
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Atlas Foundry Company, Inc.
Source Address: Factory and Henderson Avenues, Marion, Indiana 46952
Mailing Address: P.O. Box 688, Marion, Indiana 46952
FESOP No.: F 053-12834-00002
Facilities: Disa #1 and the Disa #2 pouring, cooling and shakeout operations
Parameter: Amount of metal throughput
Limit: 37,300 tons per twelve (12) consecutive month period for each Disa line with compliance determined at the end of each month, equivalent to total pouring, cooling and shakeout VOC emissions of less than twenty-five (25) tons per year for each line.

YEAR: _____

Month	Total Metal Throughput (tons)		Total Metal Throughput (tons)		Total Metal Throughput (tons)	
	This Month		Previous 11 Months		12 Month Total	
	Disa #1	Disa #2	Disa #1	Disa #2	Disa #1	Disa #2

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Atlas Foundry Company, Inc.
Source Address: Factory and Henderson Avenues, Marion, Indiana 46952
Mailing Address: P.O. Box 688, Marion, Indiana 46952
FESOP No.: F 053-12834-00002
Facility: Isocure-Core System
Parameter: Amount of TEA Usage
Limit: 17,520 pounds per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

Month	Amount of TEA (pounds)	Amount of TEA (pounds)	Amount of TEA (pounds)
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Atlas Foundry Company, Inc.
Source Address: Factory and Henderson Avenues, Marion, Indiana 46952
Mailing Address: P.O. Box 688, Marion, Indiana 46952
FESOP No.: F 053-12834-00002

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

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".
NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.
THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

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

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

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

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

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

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for an Administrative Amendment to a Federally Enforceable State Operating Permit (FESOP)

Source Background and Description

Source Name:	**Atlas Foundry Company, Inc.**
Source Location:	**Factory and Henderson Avenues, Marion, Indiana 46952**
County:	**Grant**
SIC Code:	**3321**
Operation Permit No.:	**F 053-12834-00002**
Operation Permit Issuance Date:	**July 6, 2004**
Administrative Amendment No.:	**053-22350-00002**
Permit Reviewer:	**Craig J. Friederich**

The Office of Air Quality (OAQ) has reviewed an administrative amendment application from Atlas Foundry Company, Inc. relating to the construction and operation of the following emission units and pollution control devices:

One (1) stand grinder, identified as SG#4, installed in 2006, equipped with a baghouse, known as baghouse D, exhausted through Stack D, capacity: 2.67 tons of iron per hour.

History

On December 7, 2005, Atlas Foundry Company, Inc. submitted an application to the OAQ requesting to add an additional stand grinder to their existing plant. Atlas Foundry Company, Inc. was issued a Federally Enforceable State Operating Permit (FESOP) on July 6, 2004.

Enforcement Issue

There are no enforcement actions pending.

Stack Summary

There are no new stacks associated with the new stand grinder.

Recommendation

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

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

An application for the purposes of this review was received on December 7, 2005.

Emission Calculations

See page 1 of 1 of Appendix A of this document for detailed emissions calculations.

Potential To Emit of Modification

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source 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.

This table reflects the PTE before controls for this modification. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	**Potential To Emit** (tons/year)
PM	0.117
PM_{10}	0.053
SO_2	--
VOC	--
CO	--
NO_X	--

HAPs	**Potential To Emit** (tons/year)
Arsenic	0.026
Cadmium	0.012
Selenium	0.002
Lead	0.053
TOTAL	0.093

Justification for Modification

The FESOP is being modified through a FESOP Administrative Amendment. This Amendment is being performed pursuant to 326 IAC 2-8-10.

County Attainment Status

The source is located in Grant County.

Pollutant	**Status**
$PM_{2.5}$	Attainment
PM_{10}	Attainment
SO_2	Attainment
NO_2	Attainment
1-Hour Ozone	Attainment

Pollutant	Status
8-Hour Ozone	Attainment
CO	Attainment
Lead	Attainment

(a) Volatile organic compounds (VOC) and nitrogen oxides (NO_X) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_X emissions are considered when evaluating the rule applicability relating to ozone. Grant County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_X emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability - Entire Source section of this document.

(b) Grant County has been classified as unclassifiable or attainment for $PM_{2.5}$. U.S. EPA has not yet establied the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for $PM_{2.5}$ emissions. Therefore, until the U.S. EPA adopts specific provisions for PSD review for $PM_{2.5}$ emissions, it has directed states to regulate PM_{10} emissions as a surrogate for $PM_{2.5}$ emissions. See the State Rule Applicability for the source section.

(c) Grant County has been classified as attainment or unclassifiable in Indiana for all criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability - Entire Source section of this document.

Source Status

Existing Source PSD or Emission Offset Definition (emissions after controls, based upon 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/year)
PM	98.7
PM_{10}	80.9
SO_2	0.745
VOC	53.3
CO	2.33
NO_X	5.34

(a) This existing source is not a major stationary source because no attainment regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the 28 listed source categories.

(b) These emissions are based upon the Addendum to the Federally Enforceable State Operating Permit 053-12834-00002 issued July 6, 2004.

Federal Rule Applicability

(a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) included in the permit for this proposed administrative amendment.

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14, 326 IAC 20, 40 CFR 61 and 40 CFR Part 63) included in the permit for this proposed administrative amendment.

State Rule Applicability - Individual Facilities

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

The following PM emission limitations are required to make this a minor source pursuant to this rule. These PM limits will assure that the potential to emit from the entire source, which is one of the 28 major source categories, will be limited to less than one hundred (100) tons per year. These PM limits, combined with the PM_{10} limits described in the 326 IAC 2-8-4 (FESOP) section, will limit all criteria pollutants to less than one hundred (100) tons per year.

Baghouse D

The PM emissions from the following emission units are controlled by baghouse D:

(a) Disa #1 pouring/casting line (50% capture only)

(b) Disa #1 casting cooling process

(c) Disa #1 sand handling process

(d) Disa #2 pouring/casting line (50% capture only)

(e) Disa #2 casting cooling process

(f) Disa #2 sand handling process

(g) Didion rotary media shakeout drum

(h) Atlas and Peru shotblast operations

(i) Mesh belt shotblast machine

(j) One (1) belt sander (2002)

(k) One (1) stand grinder SG#4 (2006)

The total PM emissions exhausted through baghouse D will be limited to 7.00 pounds per hour, equivalent to 21.0 tons per year at 6,000 hours of operation per year, as limited in FESOP 053-22350-00002, issued July 6, 2004.

326 IAC 2-8-4 (FESOP)

Baghouse D

The PM_{10} emissions from the following emission units are controlled by baghouse D:

(a) Disa #1 pouring/casting line (50% capture only)

(b) Disa #1 casting cooling process

(c) Disa #1 sand handling process

(d) Disa #2 pouring/casting line (50% capture only)

(e) Disa #2 casting cooling process

(f) Disa #2 sand handling process

(g) Didion rotary media shakeout drum

(h) Atlas and Peru shotblast operations

(i) Mesh belt shotblast machine

(j) One (1) belt sander (2002)

(k) One (1) stand grinder (SG#4) (2006)

The total PM_{10} emissions exhausted through baghouse D will be limited to 10.0 pounds per hour, equivalent to 30.0 tons per year at 6,000 hours of operation per year, as limited in FESOP 053-22350-00002, issued July 6, 2004.

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

Pursuant to FESOP 053-22350-00002, issued July 6, 2004, and 326 IAC 6-3-2, the allowable particulate emission rate from baghouse D shall not exceed 58.4 pounds per hour when operating at a process weight rate of 198.5 tons per hour. The addition of the new stand grinder, identified as SG#4, will increase the process weight rate at baghouse D to 201.2 tons per hour. Therefore, the new allowable particulate emissions, pursuant to 326 IAC 6-3-2, is 58.6 pounds per hour.

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

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

Pursuant to 326 IAC 6-3-2(e)(3), since the process weight rate exceeds two hundred (200) tons per hour, the allowable particulate emission may exceed that calculated by the above equation provided that the concentration of particulate in the discharge gases to the atmosphere is less than one-tenth (0.10) pound per one thousand (1,000) pounds of gases.

The baghouse shall be in operation at all times the associated listed facilities, as shown in Section D.2 of F 053-12834-00002 are in operation, in order to comply with this limit.

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less 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 requirements are divided into two sections: Compliance Determination Requirements and Compliance

Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also 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.

There are no new applicable compliance monitoring requirements applicable to this source are as a result of this modification.

Proposed Changes

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

Change 1:

Condition A.2 and Section D.2 has been revised as follows. Please note that "***"denotes that there were no changes to the existing equipment or existing permit language.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

(***)

(r) One (1) stand grinder, identified as SG#4, installed in 2006, equipped with a baghouse, known as baghouse D, exhausted through Stack D, capacity: 2.67 tons of iron per hour.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Shakeout, Pouring, Casting, Cooling, Sand Handling, Shot Blasting & Grinding Operations (Baghouse D & Scrubber C)

(***)

(r) One (1) stand grinder, identified as SG#4, installed in 2006, equipped with a baghouse, known as baghouse D, exhausted through Stack D, capacity: 2.67 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.)

Change 2:

Condition D.2.1 has been revised as follows to indicate that the new stand grinder, identified as SG#4, will be venting to baghouse D. Please note that "***" denotes that there is no change to the existing language in the condition:

D.2.1 PM and PM_{10} Limitations [326 IAC 2-2] [326 IAC 2-8-4]

(c) Baghouse D and the following emission units shall be limited to 6,000 hours of operation per twelve (12) consecutive month period with compliance determined at the end of each month.

Baghouse D is used in conjunction with:

(1) Disa #1 pouring/casting line

(2) Disa #1 casting cooling process

(3) Disa #1 sand handling process

(4) Disa #2 pouring/casting line

(5) Disa #2 casting cooling process

(6) Disa #2 sand handling process

(7) Didion rotary media shakeout drum

(8) Atlas and Peru shotblast operations

(9) Mesh belt shotblast machine

(10) One (1) belt sander

(11) One (1) stand grinder, identified as SG#4

Change 3:

Condition D.2.2 has been revised as follows to indicate that the 6-3-2 allowable has been updated. Please note that "***" denotes that there are no other changes to the existing condition:

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

(***)

(b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the baghouse D shall not exceed ~~58.4~~ **58.6** pounds per hour when operating at a total process weight rate of ~~198.5~~ **201.2** tons per hour.

D.2.6 Testing Requirements [326 IAC 2-8-5(a)(1),(4)] [326 IAC 2-1.1-11]

To demonstrate compliance with Conditions D.2.1 and D.2.2, a compliance stack test of PM and PM10 for baghouse D, which controls the Disa #1 and #2 pouring/casting, Disa #1 and #2 casting cooling, Disa #1 and #2 sand handling, Didion rotary media drum shakeout, and the mesh belt shotblast, two (2) shotblaster operations**,** ~~and~~ the one (1) belt sander**, and the one (1) stand grinder, identified as SG#4**, shall be performed by May 5, 2009 utilizing methods approved by the Commissioner. PM10 includes filterable and condensible PM10. This test shall be repeated no less than once every five (5) years from the date of this valid compliance demonstration.

Change 4:

The IDEM, OAQ ZIP code has been updated to 46204-2251 throughout the permit.

Conclusion

The construction and operation of this proposed modification shall be subject to the conditions of the attached proposed FESOP Administrative Amendment No. 053-22350-00002.

TSD Addendum Appendix A: Emission Calculations
Grey Iron Foundry Emissions

Company Name: Atlas Foundry Company, Inc.
Address City IN Zip: Factory and Henderson Avenues, Marion, Indiana 46952
Administrative Amendment: 053-22350
Plt ID: 053-00002
Reviewer: Craig J. Friederich
Application Date: December 7, 2005

Process:	Rate (tons iron/hr)	Pollutant	Emission Factor (lb/ton produced)	Emissions Before Control (ton/yr)	Type of control	Control Efficiency (%)	Emissions After Control (ton/yr)
Stand Grinder #4 (2006)	2.67	PM	0.01	0.117	Baghouse D	99.9%	0.0001
Source of Criteria		PM-10	0.0045	0.053	Baghouse D	99.9%	0.0001
Pollutant Factors:		SO2	0.00	0.00			0.000
FIRE 6.01		NOx	0.00	0.00			0.000
SCC# 3-04-003-60		VOC	0.00	0.00			0.000
AP-42 Ch. 12.10		CO	---	0.00			0.000
		arsenic	0.00221	0.02585	Baghouse D	99.9%	0.000
		cadmium	0.00102	0.01193	Baghouse D	99.9%	0.000
		selenium	0.00017	0.00199	Baghouse D	99.9%	0.0000
		Lead	0.00450	0.05263	Baghouse D	99.9%	0.000
						Total HAPs	0.000

Methodology

Potential emissionsbefore control (ton/yr) = Rate tons iron/hr) x Emisson Factor (lb/ton produced) x 8760 (hr/yr) / 2000 (lb/ton)
Potential emissions after control (ton/yr) = potential emissions before control (ton/yr) x 1 - Control Effieciency