



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

TO: Interested Parties / Applicant

DATE: June 27, 2011

RE: Casting Technologies Company / 081-30388-00032

FROM: Matthew Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

## Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures  
FNPER.dot12/03/07



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Mr. Michael Brand  
Casting Technologies Company  
1450 Commerce Parkway,  
Franklin, IN 46131

June 27, 2011

Re: 081-30388-00032  
First Significant Revision to  
M081-25263-00032

Dear Mr. Brand:

Casting Technologies Company was issued a Minor Source Operating Permit (MSOP) Renewal No. M081-25263-00032 on May 20, 2008 for a stationary Casting Technologies Company relating to the operation of an aluminum molding and die casting plant, located at 1450 Commerce Parkway, Franklin, Indiana. On March 30, 2011, the Office of Air Quality (OAQ) received an application from the source requesting to construct and operate a new shot blaster unit, SSB2, and control device at the source. In addition the street name of the facility is changed to Commerce Parkway from Musicland Drive. The attached Technical Support Document (TSD) provides additional explanation of the changes to the source/permit. Pursuant to the provisions of 326 IAC 2-6.1-6, these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-6.1-6(i). Pursuant to the provisions of 326 IAC 2-6.1-6, a Significant Permit Revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

Pursuant to 326 IAC 2-6.1-6, this permit shall be revised by incorporating the significant permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Attached please find the entire revised permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Swarna Prabha, of my staff, at 317-234-5367 or 1-800-451-6027, and ask for extension 4-5367.

Sincerely,

Iryn Galilung, Section Chief  
Permits Branch  
Office of Air Quality

Attachments: Technical Support Document and revised permit

IC /SP

cc: File - Johnson County  
Johnson County Health Department  
U.S. EPA, Region V  
Compliance and Enforcement Branch  
Billing, Licensing and Training Section



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## Minor Source Operating Permit Renewal OFFICE OF AIR QUALITY

**Casting Technologies Company  
1450 Commerce Parkway  
Franklin, Indiana 46131**

(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.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

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 MSOP under 326 IAC 2-6.1.

Operation Permit No.: M081-25263-00032	
Issued by: Original signed by: Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: May 20, 2008  Expiration Date: May 20, 2018

Significant Permit Revision Permit No.: 081-30388-00032	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: June 27, 2011  Expiration Date: May 20, 2018

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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 and A.2 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 2-5.1-3(c)][326 IAC 2-6.1-4(a)]

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The Permittee owns and operates a stationary aluminum molding and die casting plant, using aluminum ingots and does not primarily engaged in the metal recovery process.

Source Address:	1450 Commerce Parkway, Franklin, Indiana 46131
General Source Phone Number:	317-738-0282
SIC Code:	3363
County Location:	Johnson
Source Location Status:	Nonattainment for PM2.5 standard Attainment for all other criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

### A.2 Emission Units and Pollution Control Equipment Summary

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

- (a) One (1) natural gas-fired aluminum melter, identified as RVB1, with a maximum heat input of 1.5 MMBtu/hr and a maximum throughput rate of 1,000 pounds of aluminum per hour and chlorine flux of 0.2 pounds per hr. This unit was constructed in 1997 and exhausts through stack #RVB1-1.
- (b) One (1) natural gas-fired aluminum melter, identified as RVB2, with a maximum heat input of 11.25 MMBtu/hr and a maximum throughput rate of 3,500 pounds of aluminum per hour and chlorine flux of 0.2 pounds per hr. The unit was constructed in 1997 and exhausts through stack #RVB2-2.
- (c) One (1) natural gas-fired aluminum melter, identified as JM1, with a maximum heat input of 3.75 MMBtu/hr and a maximum throughput rate of 2,000 pounds of aluminum per hour and chlorine flux of 0.2 pounds per hr. This unit was constructed in 1995 and exhausts through stack #JM1-1.
- (d) One (1) natural gas-fired aluminum melter, identified as JM2, with a maximum heat input of 4.6 MMBtu/hr and a maximum throughput rate of 4,000 pounds of aluminum per hour and chlorine flux of 0.2 pounds per hr. The unit was constructed in 1996 and exhausts through stack #JM2-2.
- (e) One (1) natural gas-fired aluminum melter, identified as JM3, each with a maximum heat input of 4.6 MMBtu/hr and a maximum throughput rate of 4,000 pounds of aluminum per hour and chlorine flux of 0.2 pounds per hr. The unit was constructed in 1996 and exhausts through stack #JM3-3.

- (f) One (1) natural gas-fired aluminum melter, identified as JM4, with a maximum heat input of 4.6 MMBtu/hr and a maximum throughput rate of 4,000 pounds of aluminum per hour and chlorine flux of 0.2 pounds per hr. The unit is to be constructed in 2008 and exhausts through stack #JM4.
- (g) One (1) dross cooling operation cooling up to 362.5 pound of furnace dross per hour, with emissions exhausting into the building.
- (h) Twelve (12) aluminum casting machines, constructed in 1995 and comprised of electric holding furnaces and die casting molds, each with a maximum process rate of 1,875 pounds of aluminum per hour. The release agent for the molding process, which is comprised of graphite and water mixture, is controlled by six baghouses (identified as GDC1, GDC2, GDC3, GDC4, GDC5, and GDC6) which vent into the building. The maximum graphite usage is 5.0 pounds per day for each casting machine.
- [Note: There are no emissions from the pouring and cooling operations because the die casting process is an enclosed molding process.]
- (i) Nine (9) die casting machines, to be constructed in 2008 and comprised of die casting, die lube and tip lube, with a total maximum process rate of 4000 pounds of aluminum per hour.
- (j) One (1) steel shot blaster, identified as SSB with a maximum process rate of 2,000 pounds of shot per hour, constructed in 1995, with emissions controlled by a baghouse, which vent inside the building.
- (k) One (1) steel shot blaster, approved for construction in 2011, identified as SSB2, with a maximum process rate of 2.4 tons of metal castings per hour, with emissions controlled by a dust collector DC1, and exhausting inside the building.
- (l) The welding equipment related to manufacturing activities not resulting in the emission of HAPs and consuming less than 625 pounds of rod or wire per day.
- (m) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including the following:
- (1) Three (3) heat treat furnaces (identified as HTC1, HTC2, and HTC3), each with a maximum heat input capacity of 5.0 MMBtu/hr, and exhausting through stacks HTC1-1, HTC2-2, and HTC3-3. Furnaces HTC1 and HTC2 were constructed in 1996. Furnace HTC3 was constructed in 1997;
  - (2) Three (3) age ovens (identified as HTA-1, HTA-2, and HTA-3), each with a maximum heat input capacity of 0.8 MMBtu/hr;
  - (3) Four (4) air make-up units, each with a maximum heat input capacity of 3.3 MMBtu/hr;
  - (4) Two (2) air make-up units, each with a maximum heat input capacity of 8.25 MMBtu/hr;
  - (5) Two (2) dock heaters, each with a maximum heat input capacity of 0.2 MMBtu/hr;
  - (6) Five (5) roof top air conditioners/heaters, each with a maximum heat input capacity of 0.2 MMBtu/hr;
  - (7) Two (2) roof top air conditioners/heaters, each with a maximum heat input capacity of 0.16 MMBtu/hr;

- (8) One (1) roof top air conditioner/heater, with a maximum heat input capacity of 0.65 MMBtu/hr; and
- (9) One (1) domestic water heaters for front offices, with a maximum heat input capacity of 0.199 MMBtu/hr.
- (n) One (1) 30-gallon parts cleaner using NAPHTHA as the solvent.
- (o) One (1) 40-gallon parts cleaner using petroleum distillate as the solvent.
- (p) One (1) surface coating booth using Boron Nitride as the coating material.

## **SECTION B GENERAL CONDITIONS**

### **B.1 Definitions [326 IAC 2-1.1-1]**

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Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

### **B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]**

- 
- (a) This permit, M081-25263-00032, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

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

### **B.4 Enforceability**

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

### **B.5 Severability**

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

### **B.6 Property Rights or Exclusive Privilege**

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

### **B.7 Duty to Provide Information**

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

**B.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]**

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- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, IN 46204-2251
- (c) The notification 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.

**B.9 Preventive Maintenance Plan [326 IAC 1-6-3]**

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- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall 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) 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.
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

**B.10 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

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- (a) All terms and conditions of permits established prior to M081-25263-00032 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised, or
  - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

B.11 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least ninety (90) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

B.12 Permit Renewal [326 IAC 2-6.1-7]

- (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 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
- (1) Submitted at least ninety (90) days prior to the date of the expiration of this permit; and
  - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 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, pursuant to 326 IAC 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.13 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 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  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.14 Source Modification Requirement

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

**B.15 Inspection and Entry**  
[326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

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

- (a) Enter upon the Permittee's premises where a permitted 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.16 Transfer of Ownership or Operational Control** [326 IAC 2-6.1-6]

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- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 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  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

**B.17 Annual Fee Payment** [326 IAC 2-1.1-7]

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- (a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ.

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

**B.18 Credible Evidence [326 IAC 1-1-6]**

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

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source

### Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

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

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

**C.2 Permit Revocation [326 IAC 2-1.1-9]**

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

**C.3 Opacity [326 IAC 5-1]**

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 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]**

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

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

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

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

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project.

- (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 Licensed 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 Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

### **Testing Requirements [326 IAC 2-6.1-5(a)(2)]**

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

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- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
  
no later than thirty-five (35) days prior to the intended test date.
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

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

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

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

### **Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]**

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

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Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

**C.11 Instrument Specifications [326 IAC 2-1.1-11]**

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

**Corrective Actions and Response Steps**

**C.12 Actions Related to Noncompliance Demonstrated by a Stack Test**

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) 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.

**Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]**

**C.13 Malfunctions Report [326 IAC 1-6-2]**

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Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.14 General Record Keeping Requirements [326 IAC 2-6.1-5]

- (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, for all record keeping requirements not already legally required, the Permittee shall be allowed up to-ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.15 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

- (a) Reports required by conditions in Section D of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (b) 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.
- (c) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

**SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS**

**Facility Description [326 IAC 2-6.1]:**

- (a) One (1) natural gas-fired aluminum melter, identified as RVB1, with a maximum heat input of 1.5 MMBtu/hr and a maximum throughput rate of 1,000 pounds of aluminum per hour and chlorine flux of 0.2 pounds per hr. This unit was constructed in 1997 and exhausts through stack #RVB1-1.
- (b) One (1) natural gas-fired aluminum melter, identified as RVB2, with a maximum heat input of 11.25 MMBtu/hr and a maximum throughput rate of 3,500 pounds of aluminum per hour and chlorine flux of 0.2 pounds per hr. The unit was constructed in 1997 and exhausts through stack #RVB2-2.
- (c) One (1) natural gas-fired aluminum melter, identified as JM1, with a maximum heat input of 3.75 MMBtu/hr and a maximum throughput rate of 2,000 pounds of aluminum per hour and chlorine flux of 0.2 pounds per hr. This unit was constructed in 1995 and exhausts through stack #JM1-1.
- (d) One (1) natural gas-fired aluminum melter, identified as JM2, with a maximum heat input of 4.6 MMBtu/hr and a maximum throughput rate of 4,000 pounds of aluminum per hour and chlorine flux of 0.2 pounds per hr. The unit was constructed in 1996 and exhausts through stack #JM2-2.
- (e) One (1) natural gas-fired aluminum melter, identified as JM3, each with a maximum heat input of 4.6 MMBtu/hr and a maximum throughput rate of 4,000 pounds of aluminum per hour and chlorine flux of 0.2 pounds per hr. The unit was constructed in 1996 and exhausts through stack #JM3-3.
- (f) One (1) natural gas-fired aluminum melter, identified as JM4, with a maximum heat input of 4.6 MMBtu/hr and a maximum throughput rate of 4,000 pounds of aluminum per hour and chlorine flux of 0.2 pounds per hr. The unit is to be constructed in 2008 and exhausts through stack #JM4.
- (g) One (1) dross cooling operation cooling up to 362.5 pound of furnace dross per hour, with emissions exhausting into the building.

(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 2-6.1]**

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

Pursuant to 326 IAC 6-3-2(e) (Manufacturing Processes), the allowable particulate emissions from each of the aluminum melters shall not exceed the pounds per hour rate listed in the table below:

Process Description	Process ID	Throughput Rate (lbs/hr)	PM Emission Limit (lbs/hr)
Aluminum Melter	RVB1	1,000	2.58
Aluminum Melter	RVB2	3,500	5.97
Aluminum Melter	JM2	4,000	6.52

Process Description	Process ID	Throughput Rate (lbs/hr)	PM Emission Limit (lbs/hr)
Aluminum Melter	JM3	4,000	6.52
Aluminum Melter	JM4	4,000	6.52

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

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

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

D.1.2 Metal Melt throughput [40CFR 63, Subpart ZZZZZZ]

The total throughput of aluminum metal melt production shall not exceed 600 tons per year as defined under 40 CFR 63.11556. Therefore, the requirements of 40 CFR 63, Subpart ZZZZZZ do not apply.

D.1.3 Material Usage [40 CFR 63, Subpart RRR]

The Permittee shall only melt clean charge, or internal scrap in the aluminum foundry as defined under 40 CFR 63.1503. Therefore, the requirements of 40 CFR 63, Subpart RRR do not apply.

**SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS**

**Facility Description [326 IAC 2-6.1]:**

- (h) Twelve (12) aluminum casting machines, constructed in 1995 and comprised of electric holding furnaces and die casting molds, each with a maximum process rate of 1,875 pounds of aluminum per hour. The release agent for the molding process, which is comprised of graphite and water mixture, is controlled by six baghouses (identified as GDC1, GDC2, GDC3, GDC4, GDC5, and GDC6) which vent into the building. The maximum graphite usage is 5.0 pounds per day for each casting machine.

[NOTE: There are no emissions from the pouring and cooling operations because the die casting process is an enclose molding process.]

- (i) Nine (9) die casting machines, to be constructed in 2008 and comprised of die casting, die lube and tip lube, with a total maximum process rate of 4000 pounds of aluminum per hour.
- (j) One (1) steel shot blaster, identified as SSB with a maximum process rate of 2,000 pounds of shot per hour, constructed in 1995, with emissions controlled by a baghouse, which vent inside the building.
- (k) One (1) steel shot blaster, approved for construction in 2011, identified as SSB2, with a maximum process rate of 2.4 tons of shot per hour, with emissions controlled by a dust collector DC1, and exhausting inside the building.

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

**Emission Limitations and Standards**

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

In order to render the requirements of Prevention of Significant Deterioration (PSD), 326 IAC 2-2 not applicable, the PM emission rate from the shot blaster SSB2, shall not exceed 5.70 pounds per hour.

Compliance with this limit in conjunction with the PTE of the entire source, shall limit the source-wide total potential to emit of PM to less than 250 tons per 12 consecutive month period and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

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

Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emissions from each of the shot blasters, aluminum and die casting machines shall not exceed the pounds per hour rate listed in the table below:

Process Description	Process ID	Throughput Rate (lbs/hr)	PM Emission Limit (lbs/hr)
Steel Shot Blaster	SSB	2,000	4.10
Steel Shot Blaster	SSB2	4,800	7.37
Each Aluminum Casting Machine	--	1,875 (each)	3.93 (each)

Process Description	Process ID	Throughput Rate (lbs/hr)	PM Emission Limit (lbs/hr)
Die Casting Machines	--	4000	6.52

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

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

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

#### D.2.3 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for the two (2) shot blasters, SSB and SSB2. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

#### Compliance Determination Requirements [326 IAC 2-6.1-5(a)(2)]

##### D.2.4 Particulate Control

In order to comply with Conditions D.2.1 and D.2.2 the baghouse/dust collector used to control particulate emissions from the shot blasters SSB and SSB2 shall be in operation and control emissions from the shot blasters at all times the shot blasters are in operation.

#### Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

##### D.2.5 Parametric Monitoring

The Permittee shall record pressure drop across the dust collector used in conjunction with the shotblaster SSB2, at least once per day when the shotblaster SSB2 is in operation when venting to the atmosphere. When or any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 7.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated or replaced at least once every six (6) months or other time period specified by the manufacturer. The Permittee shall maintain records of the manufacturer specifications, if used.

##### D.2.6 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this proposed permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Response to Excursions or Exceedances shall be initiated. For any failure with corresponding response steps and timetable not described in the Response to Excursions or Exceedances, 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 shall be considered a deviation from this permit.

- (b) For single compartment baghouses, 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 proposed permit (Section B - Emergency Provisions).

### **Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]**

#### **D.2.7 Record Keeping Requirements**

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- (a) To document the compliance status with Condition D.2.5, the Permittee shall maintain the daily records of the pressure drop across the dust collector controlling the shot blaster SSB2 when venting to the atmosphere. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g., the process did not operate that day).
- (b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

### SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

#### Facility Description [326 IAC 2-6.1]:

- (n) One (1) 30-gallon parts cleaner using NAPHTHA as the solvent.
- (o) One (1) 40-gallon parts cleaner using petroleum distillate as the solvent.
- (p) One (1) surface coating booth using Boron Nitride as the coating material.

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

#### Emission Limitations and Standards

##### D.3.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the owner or operator of the cold cleaner degreaser shall:

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

##### D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of the cold cleaner degreaser shall ensure that the following control equipment requirements are met:

- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
  - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
  - (B) The solvent is agitated; or
  - (C) The solvent is heated.
- (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)),

then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

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

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

**MINOR SOURCE OPERATING PERMIT  
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

<b>Company Name:</b>	Casting Technologies Company
<b>Address:</b>	1450 Commerce Parkway
<b>City:</b>	Franklin, Indiana 46131
<b>Phone #:</b>	317-738-0282
<b>MSOP #:</b>	M081-25263-00032

- I hereby certify that Casting Technologies Company is :  still in operation.  
 no longer in operation.
- I hereby certify that Casting Technologies Company is :  in compliance with the requirements of MSOP M081-25263-00032.  
 not in compliance with the requirements of MSOP M081-25263-00032.

<b>Authorized Individual (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

<b>Noncompliance:</b>

**MALFUNCTION REPORT**

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
FAX NUMBER - 317 233-6865**

**This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6  
and to qualify for the exemption under 326 IAC 1-6-4.**

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?\_\_\_\_, 25 TONS/YEAR SULFUR DIOXIDE ?\_\_\_\_, 25 TONS/YEAR NITROGEN OXIDES?\_\_\_\_, 25 TONS/YEAR VOC ?\_\_\_\_, 25 TONS/YEAR HYDROGEN SULFIDE ?\_\_\_\_, 25 TONS/YEAR TOTAL REDUCED SULFUR ?\_\_\_\_, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?\_\_\_\_, 25 TONS/YEAR FLUORIDES ?\_\_\_\_, 100 TONS/YEAR CARBON MONOXIDE ?\_\_\_\_, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?\_\_\_\_, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?\_\_\_\_, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?\_\_\_\_, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?\_\_\_\_. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION \_\_\_\_\_.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC \_\_\_\_\_ OR, PERMIT CONDITION # \_\_\_\_\_ AND/OR PERMIT LIMIT OF \_\_\_\_\_

THIS INCIDENT MEETS THE DEFINITION OF "MALFUNCTION" AS LISTED ON REVERSE SIDE ?    Y        N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ?    Y        N

COMPANY: \_\_\_\_\_ PHONE NO. (    ) \_\_\_\_\_  
LOCATION: (CITY AND COUNTY) \_\_\_\_\_  
PERMIT NO. \_\_\_\_\_ AFS PLANT ID: \_\_\_\_\_ AFS POINT ID: \_\_\_\_\_ INSP: \_\_\_\_\_  
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: \_\_\_\_\_

DATE/TIME MALFUNCTION STARTED: \_\_\_\_/\_\_\_\_/20\_\_\_\_    \_\_\_\_\_ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: \_\_\_\_\_

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE \_\_\_\_/\_\_\_\_/20\_\_\_\_    \_\_\_\_\_ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER: \_\_\_\_\_

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: \_\_\_\_\_

MEASURES TAKEN TO MINIMIZE EMISSIONS: \_\_\_\_\_

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL\* SERVICES: \_\_\_\_\_

CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: \_\_\_\_\_

CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: \_\_\_\_\_

INTERIM CONTROL MEASURES: (IF APPLICABLE) \_\_\_\_\_

MALFUNCTION REPORTED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

\*SEE PAGE 2

**Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.**

**326 IAC 1-6-1 Applicability of rule**

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

**326 IAC 1-2-39 "Malfunction" definition**

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

\***Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

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

Technical Support Document (TSD) for a Significant Permit Revision to a  
Minor Source Operating Permit (MSOP) Renewal

**Source Description and Location**

**Source Name:** Casting Technologies Company  
**Source Location:** 1450 Commerce Parkway, Franklin, Indiana 46131  
**County:** Johnson  
**SIC Code:** 3363  
**Operation Permit No.:** M081-25263-00032  
**Significant Permit Revision No.:** 081-30388-00032  
**Permit Reviewer:** Swarna Prabha

On March 29, 2011, the Office of Air Quality (OAQ) received an application from Casting Technologies Company related to a modification to an existing aluminum molding and die casting plant.

**Existing Approvals**

The source was issued MSOP Renewal No. M081-25263-00032 on May 20, 2008.

**County Attainment Status**

The source is located in Johnson County.

Pollutant	Designation
SO <sub>2</sub>	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O <sub>3</sub>	Attainment effective October 19, 2007, for the 8-hour ozone standard. <sup>1</sup>
PM <sub>10</sub>	Unclassifiable effective November 15, 1990.
NO <sub>2</sub>	Cannot be classified or better than national standards.
Pb	Not designated.
<sup>1</sup> Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.	
Basic nonattainment designation effective federally April 5, 2005, for PM <sub>2.5</sub> .	

- (a) **Ozone Standards**  
 Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) 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 NOx emissions are considered when evaluating the rule applicability relating to ozone. Johnson County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM<sub>2.5</sub>**  
 U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Johnson County as nonattainment for PM<sub>2.5</sub>. On March 7, 2005 the Indiana Attorney General's Office, on behalf of IDEM, filed a lawsuit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ

is following the U.S. EPA's New Source Review Rule for PM<sub>2.5</sub> promulgated on May 8, 2008. These rules became effective on July 15, 2008. Therefore, direct PM<sub>2.5</sub> and SO<sub>2</sub> emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.

(c) Other Criteria Pollutants

Johnson County has been classified as attainment or unclassifiable in Indiana for PM<sub>10</sub>, NO<sub>x</sub>, SO<sub>2</sub>, CO and lead criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

<b>Fugitive Emissions</b>
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- (a) The fugitive emissions of criteria pollutants and hazardous air pollutants are counted toward the determination of 326 IAC 2-6.1 (Minor Source Operating Permits) applicability.
- (b) Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

[Note: This source only uses aluminum ingots and is not primarily engaged in the metal recovery process. Therefore, this source is not considered a "secondary metal production plant" and is not in 1 of 28 source categories, as defined in 326 IAC 2-2-1(y), for the PSD regulations.

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**Status of the Existing Source**

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

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)							
	PM	PM10	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Total HAPs	Worst Single HAP
Shot Blasting Unit	0.74	0.07	0	0	0	0	0	0
Aluminum Melters	2.42	3.18	0.08	13.27	0.73	11.15	0	0
Fluxing	2.26	1.2	0	0	0	0	0	0
Die casting machines	0.13	0.13	0	0	0	0	0	0
dross cooling	0.12	0.16	0	0	0	0	0	0
Natural Gas-Fired Units	0.41	1.65	0.13	21.76	1.2	18.27	negl.	negl.
Total PTE of Entire Source	6.08	6.39	0.21	35.03	1.93	29.42	negl.	negl.
Title V Major Source Thresholds	-	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	N/A	250	250	250	N/A	N/A
Emission Offset/ Nonattainment NSR Major Source Thresholds	N/A	N/A	100	N/A	N/A	N/A	N/A	N/A
negl. = negligible These emissions are based upon MSOP Renewal No.: M081-25263-00032 issued on May 20, 2008.								

**Description of Proposed Revision**

The Office of Air Quality (OAQ) has reviewed an application, submitted by Casting Technologies Company on March 29, 2011 relating to the construction and operation of a new shot blast machine.

The following is a list of the new emission unit and pollution control device:

One (1) steel shot blaster, approved for construction in 2011, identified as SSB2, with a maximum process rate of 2.4 tons of metal castings per hour, with emissions controlled by a dust collector DC1, and exhausting inside the building.

**Enforcement Issues**

There are no pending enforcement actions related to this revision.

**Emission Calculations**

See Appendix A of this TSD for detailed emission calculations.

**Permit Level Determination – MSOP Revision**

The following table is used to determine the appropriate permit level under 326 IAC 2-6.1-6. This table reflects the PTE before controls of the proposed revision. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/ Emission Unit	PTE of Proposed Revision (tons/year)								
	PM	PM10*	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Total HAPs	Worst Single HAP
Shot Blaster SSB 2	178.7	17.87	17.87	0	0	0	0	0	0
Total PTE of Proposed Revision	178.7	17.87	17.87	0	0	0	0	0	0
negl. = negligible * Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".									

This MSOP is being revised through a MSOP Significant Permit Revision pursuant to 326 IAC 2-6.1-6(i)(E)(i), because the revision has potential to emit (PTE) greater than 25 tons per year of particulate matter (PM). Also, with the construction of the new shot blasting unit, the PM PTE before control of the entire source is greater than 250 tons per year, therefore the control device is required in order to render the requirements of 326 IAC 2-2 not applicable for PM.

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**PTE of the Entire Source After Issuance of the MSOP Revision**

The table below summarizes the potential to emit of the entire source, with updated emissions shown as **bold** values and previous emissions shown as ~~strike through~~ values.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Revision (tons/year)								
	PM	*PM10	<b>PM2.5</b>	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Total HAPs	Worst Single HAP
Shot Blasting Unit <b>SSB</b>	<del>0.74</del> <b>74.0</b>	<del>0.07</del> <b>7.4</b>	<b>7.4</b>	0	0	0	0	0	0
<b>Shot Blasting Unit SSB 2</b>	<b>24.97<sup>(1)</sup></b>	<b>17.87</b>	<b>17.87</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Aluminum Melters	2.42	3.18	<b>3.18</b>	0.08	13.27	0.73	11.15	0	0
Fluxing	2.26	1.2	<b>1.2</b>	0	0	0	0	0	0
Die casting machines	<del>0.13</del> <b>13.3</b>	<del>0.13</del> <b>13.3</b>	<b>13.3</b>	0	0	0	0	0	0
dross cooling	0.12	0.16	<b>0.16</b>	0	0	0	0	0	0
Natural Gas-Fired Units	0.41	1.65	<b>1.65</b>	0.13	21.76	1.2	18.27	negl.	negl.
Total PTE of Entire Source	<del>6.08</del> <b>117.45</b>	<del>6.39</del> <b>44.73</b>	<b>44.73</b>	0.21	35.03	1.93	29.42	negl.	negl.
Title V Major Source Thresholds	N/A	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	N/A	250	250	250	250	N/A	N/A
Emission Offset/ Nonattainment NSR Major Source Thresholds	N/A	N/A	100	N/A	N/A	N/A	N/A	N/A	N/A

negl. = negligible  
 \* Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".  
<sup>(1)</sup> **The PM PTE is limited to render the requirements of 326 IAC 2-2 not applicable. The rest of the PTE in this table are based on PTE before control.**

Notes:

- (1) There are no emission factors for PM2.5, therefore PM2.5 is assumed to be equal to PM10. The PM2.5 PTE has been added to the above mentioned table.
- (2) The PM, PM10 and PM2.5 PTE for SSB has been changed from PTE after control to PTE before control.
- (3) The required minimum control efficiency for PM from shot blaster SSB2, shall be greater than 86%, in order to render the requirements of 326 IAC 2-2 not applicable for PM, based on the following equation:

$$\begin{aligned} \text{PTE after control} &= \text{PTE Before control} (1-\% \text{ eff}) \\ 24.97 \text{ tons/yr} &= 178.7 \text{ tons/yr} * [1- 86\%] \end{aligned}$$

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

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Revision (tons/year)								
	PM	*PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Total HAPs	Worst Single HAP
Shot Blaster Unit SSB	74.0	7.4	7.4	0	0	0	0	0	0
Shot Blaster Unit SSB 2	24.97 <sup>(1)</sup>	17.87	17.87	0	0	0	0	0	0
Aluminum Melters	2.42	3.18	3.18	0.08	13.27	0.73	11.15	0	0
Fluxing	2.26	1.2	1.2	0	0	0	0	0	0
Die casting machines	13.3	13.3	13.3	0	0	0	0	0	0
dross cooling	0.12	0.16	0.16	0	0	0	0	0	0
Natural Gas-Fired Units	0.41	1.65	1.65	0.13	21.76	1.2	18.27	negl.	negl.
Total PTE of Entire Source	117.45	44.73	44.73	0.21	35.03	1.93	29.42	negl.	negl.
Title V Major Source Thresholds	N/A	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	N/A	250	250	250	250	N/A	N/A
Emission Offset/ Nonattainment NSR Major Source Thresholds	N/A	N/A	100	N/A	N/A	N/A	N/A	N/A	N/A
negl. = negligible * Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant". <sup>(1)</sup> The PM PTE is limited to render the requirements of 326 IAC 2-2 not applicable. The rest of the PTE in this table are based on PTE before control.									

**MSOP Status**

This revision to an existing Title V minor stationary source will not change the minor status, because the uncontrolled/unlimited potential to emit criteria pollutants, except PM, from the entire source is less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-6.1 (MSOP).

**Federal Rule Applicability Determination**

New Source Performance Standards (NSPS)

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included for this proposed revision.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (a) The requirements of the New Source Performance Standard for primary aluminum reduction plants, 40 CFR 60.190-195, Subpart S are not included in the permit because the source does not manufacture aluminum.
- (b) This source is not subject to the requirements of National Emission Standards for Hazardous Air Pollutants: Area Source standards for Iron and Steel foundry, as defined in § 63.10880, Subpart ZZZZZ (5Z), because this source does not operate an Iron and Steel foundry.
- (c) This source is not subject to the requirements of National Emission Standards for Hazardous Air Pollutants: Area Source standards for aluminum foundry, copper foundry, or other nonferrous metals, including all associated alloys, foundry as defined in §63.11556, Subpart ZZZZZZ (6Z), because the annual metal melt production for existing source as of February 9, 2009, is less than 600 tons per year (tpy) of aluminum, copper, and other nonferrous metals, including all associated alloys. In addition, the source does not use material containing aluminum foundry HAP, material containing copper foundry HAP, or material containing other nonferrous foundry HAP, as defined in §63.11556.
- (c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for primary aluminum reduction plants, 40 CFR Subpart LL, 63.840-859, are not included in the permit because the source does not manufacture aluminum.
- (d) The provisions of 40 CFR 63, Subpart RRR - National Emission Standards of Hazardous Air Pollutants for Secondary Aluminum Production are not included in this permit for this aluminum die casting plant because according to the applicability section of the federal rule - 40 CFR 63.1500 (f), the requirements of this subpart do not apply to manufacturers of aluminum die castings, aluminum foundries, or aluminum extruders that melt no materials other than clean charge and materials generated within the facility; and that also do not operate a thermal chip dryer, sweat furnace or scrap dryer/delacquering kiln/decoating kiln. This source is not a major source of HAPS and has no new or existing secondary aluminum processing unit, containing one or more group 1 furnace emission units processing other than clean charge.
- (e) This source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries, 40 CFR Subpart EEEEE (63.7680 through 63.7762) because the requirements of this subpart applies to each new or existing iron and steel foundry that is a major source of HAPs. A major source of HAPs is a source that emits or has the potential to emit any single HAP at a rate of 10 tons or more per year or any combination of HAPs at a rate of 25 tons or more per year. This source is not an Iron and Steel Foundry, and is therefore not subject to this rule.
- (b) This source is not subject to the requirements of National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area source, 40 CFR Subpart TTTTTT, as defined in § 63.11462, because this source does not process Secondary Nonferrous Metals.
- (d) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included for this proposed revision.

Compliance Assurance Monitoring (CAM)

- (e) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the unlimited potential to emit of the source is less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

<b>State Rule Applicability Determination</b>
---

The following state rules are applicable to the proposed revision:

326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))

MSOP applicability is discussed under the Permit Level Determination – MSOP section above.

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

This modification to an existing PSD minor stationary source will not change the PSD minor status, because the PM potential to emit from the entire source will be limited to be less than 250 tons per year, and this source is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1). Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply. See PTE of the Entire Source After Issuance of the MSOP Revision Section above.

326 IAC 2-1.1-5 (Nonattainment New Source Review)

This existing source is not a major stationary source, under 326 IAC 2-1.1-5 (Nonattainment New Source Review), because the potential to emit particulate matter with a diameter less than two and five tenths (2.5) micrometers (PM<sub>2.5</sub>), is limited to less than one hundred (100) tons per year. Therefore, pursuant to 326 IAC 2-1.1-5, the Nonattainment New Source Review requirements do not apply.

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

The proposed revision is not subject to the requirements of 326 IAC 2-4.1, since the unlimited potential to emit of HAPs from the shot blaster SSB2, is less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.

326 IAC 2-6 (Emission Reporting)

Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.

326 IAC 5-1 (Opacity Limitations)

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:

- (1) 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.
- (2) 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.

326 IAC 6-4 (Fugitive Dust Emissions Limitations)

Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source 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.

Shot Blast Operation- SSB2

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

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the shot blasting operation shall not exceed 7.37 pounds per hour when operating at a process weight rate of 2.4 tons per hour. The pound per hour limitation was calculated with the following equation:

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

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

P = process weight rate in tons per hour

The dust collector shall be in operation at all times the shot blasting operation is in operation, in order to comply with this limit.

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

In order to render the requirements of Prevention of Significant Deterioration (PSD), 326 IAC 2-2 not applicable, the PM emission rate from the shot blaster SSB2, shall not exceed 5.70 pounds per hour. This is equivalent to 24.97 tons/year.

Compliance with this limit in conjunction with the PTE of the entire source, shall limit the source-wide total potential to emit of PM to less than 250 tons per 12 consecutive month period and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 326 IAC 2-6.1-6(i) not applicable.

**Compliance Determination, Monitoring and Testing Requirements**

- (a) The compliance determination and monitoring requirements applicable to this proposed revision are as follows:

Emission Unit/Control	Operating Parameters	Frequency
SSB2 /dust collector DC1	Pressure Drop	once per day

The stack test is not required for the new shotblaster SSB2, because the particulate emissions PM10 and PM2.5 are below the MSOP level and in order to render the requirements of 326 IAC 2-2 not applicable for PM, the required minimum control efficiency for the dust collector shall be greater than 86%. Please see TSD page 5 Note (3).

**Proposed Changes**

- (a) The following changes listed below are due to the proposed revision. Deleted language appears as ~~strike through~~ text and new language appears as **bold** text:
- (1) The emission unit description in Section A.2 and D.2 has been revised to incorporate the new emission unit.
  - (2) Section D.2 - Particulate Limit has been included in the revision in order to render the requirements 326 IAC 2-6.1-6(i) (Significant Permit Revisions) not applicable.
  - (3) Section D.2 - Particulate has been revised to include the allowable particulate emission rates for the new emission units.
  - (4) Section D.2 - Particulate Control has been revised to indicate that the source must operate the dust collector when the associated emission unit is in operation in order to comply with Section D - Particulate Limit and Section D - Particulate.
  - (5) Section D.2 - Visible Emissions has been included in the revision since the source now must perform visible emission notations to determine compliance with the no visible emission limit for dust collector DC1.
  - (6) Section D.2 - the preventive maintenance plan has been included in the revision since the source now must have maintenance plan for the shot blasters. Pursuant to 326 IAC 1-6-3 (Preventive Maintenance Plan), any person responsible for operating any facility specified in 326 IAC 1-6-1 shall prepare and maintain a preventive maintenance plan.

- (7) Section D.2 - Record Keeping Requirements has been included in the revision since the source must document that they performed the daily visible emission notations.

A.2 Emission Units and Pollution Control Equipment Summary

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

...

- (j) One (1) steel shot blaster, identified as SSB with a maximum process rate of 2,000 pounds of shot per hour, constructed in 1995, with emissions controlled by a baghouse, which vent inside the building.
- (k) One (1) steel shot blaster, approved for construction in 2011, identified as SSB2, with a maximum process rate of 2.4 tons of metal castings per hour, with emissions controlled by a dust collector DC1, and exhausting inside the building.**
- (k l) The welding equipment related to manufacturing activities not resulting in the emission of HAPs and consuming less than 625 pounds of rod or wire per day.
- (l m) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including the following:
- (1) Three (3) heat treat furnaces (identified as HTC1, HTC2, and HTC3), each with a maximum heat input capacity of 5.0 MMBtu/hr, and exhausting through stacks HTC1-1, HTC2-2, and HTC3-3. Furnaces HTC1 and HTC2 were constructed in 1996. Furnace HTC3 was constructed in 1997;
- (~~m~~n) One (1) 30-gallon parts cleaner using NAPHTHA as the solvent.
- (~~o~~) One (1) 40-gallon parts cleaner using petroleum distillate as the solvent.
- (~~p~~) One (1) surface coating booth using Boron Nitride as the coating material.

**Emission Limitations and Standards**

...

D.1.2 Metal Melt throughput [40CFR 63, Subpart ZZZZZZ]

**The total throughput of aluminum metal melt production shall not exceed 600 tons per year as defined under 40 CFR 63.11556. Therefore, the requirements of 40 CFR 63, Subpart ZZZZZZ do not apply.**

D.1.3 Material Usage [40 CFR 63, Subpart RRR]

**The Permittee shall only melt clean charge, or internal scrap in the aluminum foundry as defined under 40 CFR 63.1503. Therefore, the requirements of 40 CFR 63, Subpart RRR do not apply.**

...

**SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS**

Facility Description [326 IAC 2-6.1]:

- (h) Twelve (12) aluminum casting machines, constructed in 1995 and comprised of electric holding furnaces and die casting molds, each with a maximum process rate of 1,875 pounds of aluminum per hour. The release agent for the molding process, which is comprised of graphite and water mixture, is controlled by six baghouses (identified as GDC1, GDC2, GDC3, GDC4, GDC5, and GDC6) which vent into the building. The maximum graphite usage is 5.0 pounds per day for each casting machine.
- (i) Nine (9) die casting machines, to be constructed in 2008 and comprised of die casting, die lube and tip lube, with a total maximum process rate of 4000 pounds of aluminum per hour.
- (j) One (1) steel shot blaster, identified as SSB with a maximum process rate of 2,000 pounds of shot per hour, constructed in 1995, with emissions controlled by a baghouse, which vent inside the building.
- (k) One (1) steel shot blaster, approved for construction in 2011, identified as SSB2, with a maximum process rate of 2.4 tons of metal castings per hour, with emissions controlled by a dust collector DC1, and exhausting inside the building.**

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

Emission Limitations and Standards

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

**In order to render the requirements of Prevention of Significant Deterioration (PSD), 326 IAC 2-2 not applicable, the PM emission rate from the shot blaster SSB2, shall not exceed 5.70 pounds per hour.**

**Compliance with this limit in conjunction with the PTE of the entire source, shall limit the source-wide total potential to emit of PM to less than 250 tons per 12 consecutive month period and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.**

**D.2.12 Particulate [326 IAC 6-3-2]**

Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emissions from each of the shot blasters, aluminum and die casting machines shall not exceed the pounds per hour rate listed in the table below:

Process Description	Process ID	Throughput Rate (lbs/hr)	PM Emission Limit (lbs/hr)
Steel Shot Blaster	SSB	2,000	4.10
<b>Steel Shot Blaster</b>	<b>SSB2</b>	<b>4,800</b>	<b>7.37</b>
Each Aluminum Casting Machine	--	1,875	3.93
Die Casting Machines	--	4000	6.52

The pounds per hour limitations ~~was~~ **were** calculated using the following equation:

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

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

### **D.2.3 Preventive Maintenance Plan [326 IAC 1-6-3]**

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**A Preventive Maintenance Plan is required for the two (2) shot blasters, SSB and SSB2. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.**

### **Compliance Determination Requirements [326 IAC 2-6.1-5(a)(2)]**

#### **D.2.24 Particulate Control**

---

In order to comply with Conditions D.2.1, **and D.2.2** the baghouse/dust collector used to control particulate emissions from the shot blasters **SSB and SSB2** shall be in operation and control emissions from the shot blasters ~~is~~ **are** in operation.

Compliance Determination Requirements ~~[326 IAC 2-5.1-3(e)(2)]~~ [ 326 IAC 2-6.1-5(a)(2)]

### **D.2.5 Parametric Monitoring**

---

**The Permittee shall record pressure drop across the dust collector used in conjunction with the shotblaster SSB2, at least once per day when the shotblaster SSB2 is in operation when venting to the atmosphere. When or any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 7.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.**

**The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated or replaced at least once every six (6) months or other time period specified by the manufacturer. The Permittee shall maintain records of the manufacturer specifications, if used.**

### **D.2.6 Broken or Failed Bag Detection**

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**In the event that bag failure has been observed:**

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this proposed permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Response to Excursions or Exceedances shall be initiated. For any failure with corresponding response steps and timetable not described in the Response to Excursions or Exceedances, 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 shall be considered a deviation from this permit.**

- (b) **For single compartment dust collectors, 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 proposed permit (Section B - Emergency Provisions).**

#### **Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]**

##### **D.2.7 Record Keeping Requirements**

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- (a) **To document the compliance status with Condition D.2.5, the Permittee shall maintain the daily records of the pressure drop across the dust collectors controlling the shot blaster SSB2 when venting to the atmosphere. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g., the process did not operate that day).**
- (b) **Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.**
- (b) Upon further review, IDEM, OAQ has decided to make the following changes to the permit. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:
- Several of IDEM's branches and sections have been renamed. Therefore, IDEM has updated the addresses listed in the permit. References to "Permit Administration and Development Section" and the "Permits Branch" have been changed to "Permit Administration and Support Section". References to "Asbestos Section", "Compliance Data Section", "Air Compliance Section", and "Compliance Branch" have been changed to "Compliance and Enforcement Branch".
  - Section A.1 of the permit and the reporting forms have been revised to remove all references to the source mailing address. IDEM, OAQ will continue to maintain records of the mailing address.
  - For clarity, IDEM has changed references to the general conditions: "in accordance with Section B", in accordance with Section C", or other similar language to "Section C...contains the Permittee's obligations with regard to the records required by this condition."
  - IDEM has decided that the phrases "no later than" and "not later than" are clearer than "within" in relation to the end of a timeline. Therefore all timelines have been switched to "no later than" or "not later than" except when the underlying rule states "within."
  - IDEM has revised the language of the Section B - Preventive Maintenance Plan, Section C - General Record Keeping, and Section C - General Reporting to allow the Permittee to not have to begin implementing the requirements of these conditions until ninety day after initial start up.
  - IDEM has revised the language of the Section B - Permit Renewal and Section B - Termination of Right to Operate to change the MSOP renewal application due date to one hundred twenty (120) prior to expiration of the current permit in order to match the rule.
  - IDEM has revised the language of the Section C - Asbestos Abatement Projects to change the terminology "Accredited" to "Licensed" in order to match the rule.

8. IDEM has removed the first paragraph of Section C - Performance Testing as due to the fact that specific testing conditions elsewhere in the permit will specify the timeline and procedures.
9. IDEM has removed Condition C.11 - Monitoring Methods from Section C of the permit. The conditions that require the monitoring or testing, if required, state what methods shall be used. In addition, subsequent conditions in Section C have been renumbered accordingly.
10. IDEM has revised Section C - Actions Related to Noncompliance Demonstrated by a Stack Test. The requirements to take response steps and minimize excess emissions have been removed because Section C - Response to Excursions or Exceedances already requires response steps related to exceedances and excess emissions minimization. The start of the timelines was switched from "the receipt of the test results" to "the date of the test." There was confusion if the "receipt" was by IDEM, the Permittee, or someone else. Since the start of the timelines has been moved up, the length of the timelines was increased. The new timelines require action within a comparable timeline; and the new timelines still ensure that the Permittee will return to compliance within a reasonable timeframe.
11. The voice of paragraph (b) of Section C - General Record Keeping Requirements has been changed to clearly indicate that it is the Permittee that must follow the requirements of the paragraph.
12. OLC has determined that we can not require a certification in an MSOP. Therefore, we have removed the certification condition in Section B and any references to the certification in the permit. In addition, subsequent conditions in Section B have been renumbered accordingly.

A.1 General Information [326 IAC 2-5.1-3(c)][326 IAC 2-6.1-4(a)]

---

The Permittee owns and operates a stationary aluminum molding and die casting plant.

Source Address: 1450 Musicland Drive, Franklin, Indiana 46131

**Source Address: 1450 Commerce Parkway, Franklin, Indiana 46131**

Mailing Address: 1450 Musicland Drive, Franklin, Indiana 46131

...

B.7 Duty to Provide Information

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- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. ~~The submittal by the Permittee does require the certification by an "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.8 Certification

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- (a) ~~Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by 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. One (1) certification may cover multiple forms in one (1) submittal.~~
- (c) ~~An "authorized individual" is defined at 326 IAC 2-1.1-1(1).~~

...

~~B.409~~ Preventive Maintenance Plan [326 IAC 1-6-3]

---

...

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions ~~or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

...

~~B.4312~~ Permit Renewal [326 IAC 2-6.1-7]

---

- (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 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require **an affirmation that the certification statements in the application are true and complete** by an "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~~ **Permit Administration and Support Section**, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

...

- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 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, **pursuant to 326 IAC 2-6.1-4(b)**, in writing by IDEM, OAQ any additional information identified as being needed to process the application.

~~B.4413~~ Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

---

...

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

Indiana Department of Environmental Management  
~~Permits Branch~~ **Permit Administration and Support Section**, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

~~Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

- (c) The Permittee shall notify the OAQ ~~with~~ **no later than** thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

...

**B.4716** Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

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...

- (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~~**Permit Administration and Support Section**, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require ~~the certification~~ an **affirmation that the statements in the application are true and complete** by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

...

**B.4817** Annual Fee Payment [326 IAC 2-1.1-7]

---

- (a) The Permittee shall pay annual fees due ~~with~~ **no later than** thirty (30) calendar days of receipt of a bill from IDEM, OAQ.

...

**C.3** Opacity [326 IAC 5-1]

---

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

...

**C.5** Incineration [326 IAC 4-2] [326 IAC 9-1-2]

---

The Permittee shall not operate an incinerator ~~or incinerate any waste or refuse~~ except as provided in 326 IAC 4-2 ~~and 326 IAC 9-1-2~~ **or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.**

...

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

---

...

- (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~~**Compliance and Enforcement Branch**, Office of Air Quality  
MC 61-52 IGCN 1003  
100 North Senate Avenue  
**MC 61-53 IGCN 1003**  
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. ~~The notifications do not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

...

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

---

- (a) ~~All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable~~

~~procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.~~

- (a) **For performance testing required by this permit, a** A test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

~~no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

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

---

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

...  
~~C.1312~~ Actions Related to Noncompliance Demonstrated by a Stack Test

---

- (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~~its response actions to IDEM, OAQ, ~~within thirty~~ **no later than (30) days of receipt of the test results** ~~seventy-five (75) days after the date of the test. 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~~ **no later than** one hundred ~~twenty (120) days of receipt of the original test results~~ **eighty (180) days after the date of the test**. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred ~~twenty (120)~~ **eighty (180) 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

...  
~~C.1514~~ General Record Keeping Requirements [326 IAC 2-6.1-5]

---

- ...  
(b) Unless otherwise specified in this permit, **for** all record keeping requirements not already legally required, **the Permittee shall be allowed up to** ~~shall be implemented within~~ ninety (90) days **from the date** of permit issuance **or the date of initial start-up, whichever is later, to begin such record keeping.**

**C.4615 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]**

...

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

(cd) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

...

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

**MINOR SOURCE OPERATING PERMIT (MSOP)  
CERTIFICATION**

Source Name: ~~Casting Technologies Company~~  
Source Address: ~~1450 Musicland Drive, Franklin, Indiana 46134~~  
Mailing Address: ~~1450 Musicland Drive, Franklin, Indiana 46134~~  
MSOP No.: ~~M081-25263-00032~~

~~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 Notification~~
- ~~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:~~

~~Date:~~

<b>Conclusion and Recommendation</b>
--------------------------------------

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 March 29, 2011.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed MSOP Significant Permit Revision No. 081-30388-00032. The staff recommends to the Commissioner that this MSOP Significant Permit Revision be approved.

<b>IDEM Contact</b>
---------------------

- (a) Questions regarding this proposed permit can be directed to Swarna Prabha at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5376 or toll free at 1-800-451-6027 extension 45376.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: [www.in.gov/idem](http://www.in.gov/idem)

**Appendix A: Emission Calculations  
Summary**

**Company Name: Casting Technology Company  
Address City IN Zip: 1450 Commerce Parkway, Franklin, IN 46131  
MSOP: M081-25263-00032  
Significant Permit Revision No.: 081-30388-00032  
Reviewer: Swarna Prabha**

**POTENTIAL TO EMIT UNLIMITED AND UNCONTROLLED EMISSIONS IN TONS PER YEAR**

<b>Emission Units</b>	<b>PM</b>	<b>PM10*</b>	<b>SO<sub>2</sub></b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>
Shot Blasting Unit SSB	74.0	7.4				
<b>Shot Blasting Unit SSB2</b>	<b>178.7</b>	<b>17.9</b>				
Aluminum Melters fluxing	2.42 2.26	3.18 1.2	0.08	13.27	0.73	11.15
Die casting machines dross cooling	13.3 0.12	13.3 0.16				
Natural Gas-Fired Units	0.41	1.65	0.13	21.76	1.20	18.27
<b>TOTAL</b>	<b>271.2</b>	<b>44.73</b>	<b>0.21</b>	<b>35.03</b>	<b>1.93</b>	<b>29.42</b>

**CONTROLLED POTENTIAL TO EMIT IN TONS PER YEAR**

<b>Emission Units</b>	<b>PM</b>	<b>PM10</b>	<b>SO<sub>2</sub></b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>
Shot Blasting Unit SSB**	0.74	0.07				
<b>Shot Blasting Unit SSB2***</b>	<b>1.79</b>	<b>0.18</b>				
Aluminum Melters fluxing	2.42 2.26	3.18 1.2	0.08	13.27	0.73	11.15
Die casting machines** dross cooling	0.13 0.12	0.13 0.16				
Natural Gas-Fired Units	0.41	1.65	0.13	21.76	1.20	18.27
<b>TOTAL</b>	<b>7.87</b>	<b>6.57</b>	<b>0.21</b>	<b>35.03</b>	<b>1.93</b>	<b>29.42</b>

\*There are no emissions for PM2.5 in AP-42, PM10 = PM2.5

\*\*Controlled emissions

\*\*\* Pursuant to 326 IAC 2-6.1-6(g)(5)(C), the source has agreed to limit PM emissions from this modification to less than 25 tons per year.

See Limited emission summary, Page 2

This also renders 326 IAC 2-2 not applicable for PM

**Appendix A: Emission Calculations  
Limited Emission Summary**

**Company Name: Casting Technology Company  
Address City IN Zip: 1450 Commerce Parkway, Franklin, IN 46131  
MSOP: M081-25263-00032  
Significant Permit Revision No.: 081-30388-00032  
Reviewer: Swarna Prabha**

**LIMITED POTENTIAL TO EMIT IN TONS PER YEAR**

<b>Emission Units</b>	<b>PM</b>	<b>PM10</b>	<b>PM2.5</b>	<b>SO<sub>2</sub></b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>
Shot Blasting Unit SSB*	74.00	7.40	7.40				
<b>Shot Blasting Unit SSB2**</b>	<b>24.97</b>	<b>17.87</b>	<b>17.87</b>				
Aluminum Melters* fluxing*	2.42 2.26	3.18 1.2	3.18 1.2	0.08	13.27	0.73	11.15
Die casting machines* dross cooling*	13.27 0.12	13.3 0.16	13.27 0.16				
Natural Gas-Fired Units*	0.41	1.65	1.65	0.13	21.76	1.20	18.27
<b>TOTAL</b>	<b>117.45</b>	<b>44.73</b>	<b>44.73</b>	<b>0.21</b>	<b>35.03</b>	<b>1.93</b>	<b>29.42</b>

\*Uncontrolled emissions

\*\* Pursuant to 326 IAC 2-6.1-6(g)(5)(C), the source has agreed to limit PM emissions from this modification to less than 25 tons per year.

This also renders 326 IAC 2-2 not applicable for PM.

There are no emissions for PM2.5 in AP-42, PM10 = PM2.5

**Appendix A: Emissions Calculations  
PM and PM10 Emissions  
From Steel Shot Blaster**

**Company Name: Casting Technology Company  
Address City IN Zip: 1450 Commerce Parkway, Franklin, IN 46131  
MSOP: M081-25263-00032**

**Significant Permit Revision No.: 081-30388-00032**

**Reviewer: Swarna Prabha**

Emission/Process Unit	Metal throughput tons/hour	Emission Factor PM (lb/ton)	Emission Factor PM10 (lb/ton)	PTE of PM	PTE of PM10	PTE of PM	PTE of PM10
				(tons/year) Before Control	(tons/year) Before Control	(tons/year) After Control	(tons/year) After Control
SSB	1	17	1.7	74	7.4	0.74	0.07

Shot blasting unit is controlled by a baghouse with a control efficiency equal to 99%.  
Emission factor is from FIRE, Grey Iron Foundries, SCC 3-04-003-40.

**METHODOLOGY**

**Before Control:**

PTE of PM/PM10 (tons/year) = Maximum Throughput Rate (tons/hour) \* Emission Factor (lb PM/PM10 per tons Handled) \* 8760 hours/year \* 1 ton/2000 lbs

**After Control:**

PTE of PM/PM10 (tons/year) = Maximum Throughput Rate (tons/hour) \* Emission Factor (lb PM/PM10 per tons Handled) \* 8760 hours/year \* 1 ton/2000 lbs \* (1- Control Efficiency %)

**Appendix A: Emissions Calculations  
PM and PM10 Emissions of Revision  
Steel Shot Blaster SSB2**

**Company Name: Casting Technology Company  
Address City IN Zip: 1450 Commerce Parkway, Franklin, IN 46131  
MSOP: M081-25263-00032  
Significant Permit Revision No.: 081-30388-00032  
Reviewer: Swarna Prabha**

Emission/Process Unit	Max. Shot Usage Rate	Emission Factor	Emission Factor	PTE of PM (tons/year)	PTE of PM10 (tons/year)	PTE of PM (tons/year)	PTE of PM10 (tons/year)
	tons/hour	PM (lb/ton)	PM10 (lb/ton)	Before Control	Before Control	After Control	After Control
<b>SSB2*</b>	<b>2.4</b>	<b>17</b>	<b>1.7</b>	<b>179</b>	<b>17.9</b>	<b>1.79</b>	<b>0.18</b>

Shot blasting unit SSB2 is controlled by a dust collector with a control efficiency equal to 99%.  
Emission factor is from FIRE, Grey Iron Foundries, SCC 3-04-003-40.

**METHODOLOGY****Before Control:**

PTE of PM/PM10 (tons/year) = Maximum Throughput Rate (tons/hour) \* Emission Factor (lb PM/PM10 per tons Handled) \* 8760 hours/year \* 1 ton/2000 lbs

**After Control:**

PTE of PM/PM10 (tons/year) = Maximum Throughput Rate (tons/hour) \* Emission Factor (lb PM/PM10 per tons Handled) \* 8760 hours/year \* 1 ton/2000 lbs \* (1- Control Efficiency %)

\* Pursuant to 326 IAC 2-6.1-6(g)(5)(C), the source has agreed to limit PM emissions from this modification to less than 25 tons per year by using particulate pollution control devices that achieve and maintain at least 99% efficiency and no visible emissions.

**Appendix A: Emission Calculations  
Emissions from fluxing**

**Company Name: Casting Technology Company  
Address City IN Zip: 1450 Commerce Parkway, Franklin, IN 46131  
MSOP: M081-25263-00032  
Significant Permit Revision No.: 081-30388-00032  
Reviewer: Swarna Prabha**

SCC# 3-04-001-04 Fluxing/Chlorine						
TYPE OF MATERIAL		Throughput LBS/HR	1 TON/2000 lbs	TON/HR		
Flux		1.03	2000	0.000515		
	<b>PM *</b> lbs/ton Chlorine	<b>PM10 *</b> lbs/ton Chlorine	<b>SOx</b> lbs/ton Chlorine	<b>NOx</b> lbs/ton Chlorine	<b>VOC</b> lbs/ton Chlorine	<b>CO</b> lbs/tons Chlorine
	1000	532	0.00	0.00	0.00	--
Potential Emissions lbs/hr	0.52	0.274	0.0	0.0	0.0	--
Potential Emissions lbs/day	12.4	6.6	0.0	0.0	0.0	--
Potential Emissions tons/year	2.26	1.20	0.0	0.0	0.0	0.0

\* Note: Emission factor is from FIRE version 6.01.

Emission factors which are not denoted by a "\*" are from older versions of FIRE and were not included in FIRE version 6.01 for various reasons.

**Appendix A: Emission Calculations  
Revised-Emissions from the Die Casting Machines**

**Company Name: Casting Technology Company  
Address City IN Zip: 1450 Commerce Parkway, Franklin, IN 46131  
MSOP: M081-25263-00032  
Significant Permit Revision No.: 081-30388-00032  
Reviewer: Swarna Prabha**

**1. Emissions from the Aluminum Die Casting Process:**

**Clean Al Input  
lbs/hr**

**26500** (Total for 21 machines)

Emission Factor (lbs/ton)	Pollutant					
	PM*	PM10*	SO2	NO <sub>x</sub>	VOC	CO
	0.04	0.04	NA	NA	NA	NA
Potential to Emit before Control (lbs/hr)	0.53	0.53				
Potential to Emit before Control (tons/yr)	2.32	2.32	-	-	-	-

\* Assume all the PM emissions are PM10 emissions.

**Methodology**

Emission Factors are from FIRE Version 6.23, SCC 3-04-004-09 (Lead Casting), which is the only available emission factor for pure metal casting process in FIRE. In addition, the die casting process is an enclosed molding process. Therefore, the particulate emissions from the die casting process are limited. There is not pouring and cooling casting processes involved with the die casting process. Therefore, the emissions factors for secondary aluminum production facilities are not suitable here.

PTE (lbs/hr) = Al Input (lbs/hr) x 1 ton/2000 lbs x Emission Factor (lbs/ton)

PTE (tons/yr) = Al Input (lbs/hr) x 1 ton/2000 lbs x Emission Factor (lbs/ton) x 8760 hr/yr x 1 ton/2000 lbs

**2. Emissions from the Unmolding Process:**

Max. Graphite Usage: 5 lbs/day/machine  
Control Device: 6 Baghouses

The release agent on the mold surfaces consists of graphite and water. Assume all the graphite used are PM/PM10 emissions:

**The Potential to Emit PM/PM10 before Control =**  
5 lbs/day/machine x 365 day/yr x 12 machines x 1 tons/2000 lbs = **10.95 tons/yr**

**3. Total Emissions from the Die Casting Machines:**

**The Potential to Emit PM/PM10 before Control**  
= (Emissions from the Die Casting Process) + (Emissions from the Unmolding Process)  
= 2.32 tons/yr + 10.95 tons/yr = **13.27 tons/yr**

**3. Total Emissions from the Die Casting Machines:**

**The Potential to Emit PM/PM10 after Control**  
PTE of PM/PM10 after Control = PTE of PM/PM10 before Control x (1 - Control Efficiency)  
= **0.13 tons/yr**

Six baghouses control the die casting machines with a control efficiency equal to 99%.

**Appendix A: Emission Calculations  
PM/PM10 Emissions  
Dross Cooling Operation**

**Company Name: Casting Technology Company  
Address City IN Zip: 1450 Commerce Parkway, Franklin, IN 46131  
MSOP: M081-25263-00032  
Significant Permit Revision No.: 081-30388-00032  
Reviewer: Swarna Prabha**

<b>Pollutant</b>	<b>Dross Produced (tons/yr)</b>	<b>Emission Factor (lbs/ton)</b>	<b>Emission Rate (lbs/yr)</b>	<b>Emission Rate (tons/yr)</b>
PM	1647.8	0.150	247.17	0.12
PM-10	1647.8	0.200	329.56	0.16

PM, PM-10 Emission Factors From 9/25/03 stack testing at Aluminum Recovery Technology which is similar to this operation plus a 0.05 lbs/ton safety factor for each pollutant

**Appendix A: Emission Calculations  
From Six (6) Aluminum Melters**

**Company Name: Casting Technology Company  
Address City IN Zip: 1450 Commerce Parkway, Franklin, IN 46131  
MSOP: M081-25263-00032  
Significant Permit Revision No.: 081-30388-00032  
Reviewer: Swarna Prabha**

**1. From Natural Gas Combustion (<100 MMBtu/hr):**

Emission Factor in lb/MMCF		PM*	PM10*	SO <sub>2</sub>	**NO <sub>x</sub>	VOC	CO
		1.9	7.6	0.6	100	5.5	84.0
Unit ID	Heat Input Capacity (MMBtu/hr)	Potential PM Emissions (tons/yr)	Potential PM10 Emissions (tons/yr)	Potential SO <sub>2</sub> Emissions (tons/yr)	Potential NO <sub>x</sub> Emissions (tons/yr)	Potential VOC Emissions (tons/yr)	Potential CO Emissions (tons/yr)
RVB1	1.5	0.01	0.05	0.004	0.66	0.04	0.55
RVB2	11.25	0.09	0.37	0.030	4.93	0.27	4.14
JM1	3.75	0.03	0.12	0.010	1.64	0.09	1.38
JM2	4.6	0.04	0.15	0.012	2.01	0.11	1.69
JM3	4.6	0.04	0.15	0.012	2.01	0.11	1.69
JM4	4.6	0.04	0.15	0.012	2.01	0.11	1.69
<b>Total</b>	<b>30.30</b>	<b>0.25</b>	<b>1.01</b>	<b>0.08</b>	<b>13.27</b>	<b>0.73</b>	<b>11.15</b>

\*PM and PM10 emission factors are condensable and filterable PM10 combined.

\*\*Emission Factors for NO<sub>x</sub>: Uncontrolled = 100, Low NO<sub>x</sub> Burner = 50, Low NO<sub>x</sub> Burners/Flue gas recirculation = 32

**Methodology**

All Emission factors are based on normal firing.  
MMBtu = 1,000,000 Btu  
MMCF - 1,000,000 Cubic Feet of Gas

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03  
Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu  
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

See last page for HAP emissions

**2. From Aluminum Melting Process:**

Emission Factor in lb/ton		PM	PM10*	PM	PM10*
		0.03	0.03	0.03	0.03
Unit ID	Throughput Rate (lbs/hr)	Potential PM Emissions (lbs/hr)	Potential PM10 Emissions (lbs/hr)	Potential PM Emissions (tons/yr)	Potential PM10 Emissions (tons/yr)
RVB1	1,000	0.02	0.02	0.07	0.07
RVB2	3,500	0.05	0.05	0.23	0.23
JM1	2,000	0.03	0.03	0.13	0.13
JM2	4,000	0.06	0.06	0.26	0.26
JM3	4,000	0.06	0.06	0.26	0.26
JM4	4,000	0.06	0.06	0.26	0.26
<b>Total</b>	<b>18,500</b>			<b>1.22</b>	<b>1.22</b>

\* Assume all the PM emissions are PM10 emissions.

**Methodology**

Emission factors are from AP-42, Table 12.11-2, SCC #3-04-004-26 (kettle refining for lead, AP-42, 01/95), which is the only available emission factor for melting of refined (pure) metal process in AP-42.

Emissions (lbs/hr) = Throughput (lbs/hr) x 1 tons/2000 lbs x Emission Factor (lb/ton)

Emissions (tons/yr) = Throughput (lbs/hr) x 1 tons/2000 lbs x 8760 hr/yr x Emission Factor (lb/ton) x 1 lbs/2000ton

**3. Total Uncontrolled Emissions of the Melters (Combustion & Melting Processes):**

Unit ID	Throughput Rate (lbs/hr)	Potential PM Emissions (tons/yr)	Potential PM10 Emissions (tons/yr)	Potential SO <sub>2</sub> Emissions (tons/yr)	Potential NO <sub>x</sub> Emissions (tons/yr)	Potential VOC Emissions (tons/yr)	Potential CO Emissions (tons/yr)
RVB1	1,000	0.08	0.12	0.004	0.66	0.04	0.55
RVB2	3,500	0.32	0.60	0.030	4.93	0.27	4.14
JM1	2,000	0.16	0.26	0.010	1.64	0.09	1.38
JM2	4,000	0.30	0.42	0.012	2.01	0.11	1.69
JM3	4,000	0.30	0.42	0.012	2.01	0.11	1.69
JM4	4,000	1.25	1.37	0.012	2.01	0.11	1.69
<b>Total</b>	<b>18,500</b>	<b>2.42</b>	<b>3.18</b>	<b>0.08</b>	<b>13.27</b>	<b>0.73</b>	<b>11.15</b>

**Appendix A: Emission Calculations  
Natural Gas Combustion  
(MMBtu/hr < 100)  
From All Other Natural Gas Combustion Units**

**Company Name: Casting Technology Company  
Address City IN Zip: 1450 Commerce Parkway, Franklin, IN 46131  
MSOP: M081-25263-00032  
Significant Permit Revision No.: 081-30388-00032  
Reviewer: Swarna Prabha**

Heat Input Capacity  
MMBtu/hr  
**49.67** (24 units combined)

Potential Throughput  
MMCF/yr  
435.1

	Pollutant					
Emission Factor in lb/MMCF	PM*	PM10*	SO <sub>2</sub>	**NO <sub>x</sub>	VOC	CO
	1.9	7.6	0.6	100	5.5	84.0
<b>Potential Emission in tons/yr</b>	<b>0.41</b>	<b>1.65</b>	<b>0.13</b>	<b>21.76</b>	<b>1.20</b>	<b>18.27</b>

\*PM and PM10 emission factors are condensable and filterable PM10 combined.

\*\*Emission Factors for NO<sub>x</sub>: Uncontrolled = 100, Low NO<sub>x</sub> Burner = 50, Low NO<sub>x</sub> Burners/Flue gas recirculation = 32

**Methodology**

All Emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF - 1,000,000 Cubic Feet of Gas

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

See next page for HAP emissions

**Appendix A: Emission Calculations  
HAP Emissions  
From Melters and All Other Natural Gas Combustion Units**

**Company Name: Casting Technology Company  
Address City IN Zip: 1450 Commerce Parkway, Franklin, IN 46131  
MSOP: M081-25263-00032  
Significant Permit Revision No.: 081-30388-00032  
Reviewer: Swarna Prabha**

Heat Input Capacity  
MMBtu/hr

Potential Throughput  
MMCF/yr

80.0

700.5

(From Six (6) Aluminum Melters and 24 units combined)

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	7.36E-04	4.20E-04	0.026	0.630	1.19E-03

HAPs - Metals						
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03	Total
Potential Emission in tons/yr	1.75E-04	3.85E-04	4.90E-04	1.33E-04	7.36E-04	0.661

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03

Potential Throughput (MMCF/yr) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Potential to Emit (tons/yr) = Potential Throughput (MMCF/yr) x Emission Factor (lbs/MMCF) x 1 ton/2000 lbs

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
**Governor**

*Thomas W. Easterly*  
**Commissioner**

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

## SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Michael Brand  
Casting Technologies Company  
1450 Commerce Pkwy  
Franklin, IN 46131

DATE: June 27, 2011

FROM: Matt Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

SUBJECT: Final Decision  
MSOP  
081-30388-00032

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:  
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at [jbrush@idem.IN.gov](mailto:jbrush@idem.IN.gov).

Final Applicant Cover letter.dot 11/30/07



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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**Governor**

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Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

June 27, 2011

TO: Johnson County Public Library

From: Matthew Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

Subject: **Important Information for Display Regarding a Final Determination**

**Applicant Name: Casting Technologies Company**  
**Permit Number: 081-30388-00032**

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures  
Final Library.dot 11/30/07

# Mail Code 61-53

IDEM Staff	CDENNY 6/27/2011 Casting Technologies Company 081-30388-00032 (final)		Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handling Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee
											Remarks
1		Michael Brand Casting Technologies Company 1450 Commerce Pkwy Franklin IN 46131 (Source CAATS)									
2		Johnson County Public Library 401 South State Franklin IN 46131 (Library)									
3		Johnson County Commissioners 5 East Jefferson Franklin IN 46131 (Local Official)									
4		Franklin City Council and Mayors Office 55 W. Madison Street Franklin IN 46131 (Local Official)									
5		Johnson County Health Department 86 W. Court St, Courthouse Annex Franklin IN 46131-2345 (Health Department)									
6		Frederick & Iva Moore 6019 W 650 N Ligonier IN 46767 (Affected Party)									
7		Larry and Becky Bischoff 10979 North Smokey Row Road Mooresville IN 46158 (Affected Party)									
8		Mrs. Kathy Moore KERAMIDA Environmental, Inc. 401 North College Indianapolis IN 46202 (Consultant)									
9											
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