



Indiana Department of Environmental Management

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding a
New Source Minor Source Operating Permit (MSOP)

for Omen Casting Group in Wayne County

MSOP No.: M177-37366-00125

The Indiana Department of Environmental Management (IDEM) has received an application from Omen Casting Group, located at 1600 Rich Road, Richmond, IN 47374, for a new source construction and MSOP. If approved by IDEM's Office of Air Quality (OAQ), this proposed permit would allow Omen Casting Group to construct and operate a new automotive aluminum die-casting parts manufacturing plant.

The applicant intends to construct and operate new equipment that will emit air pollutants. IDEM has reviewed this application, and has developed preliminary findings, consisting of a draft permit and several supporting documents, that would allow the applicant to make this change.

A copy of the permit application and IDEM's preliminary findings are available at:

Morrisson-Reeves Library
80 North 6th Street
Richmond, IN 47374-3079

A copy of the preliminary findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

How can you participate in this process?

The date that this notice is published in a newspaper marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number M177-37366-00125 in all correspondence.

Comments should be sent to:

Mehul Sura
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension (2 or 3-3838)
Or dial directly: (317) 233-6868
Fax: (317)-232-6749 attn: Mehul Sura
E-mail: msura@IDEM.IN.gov

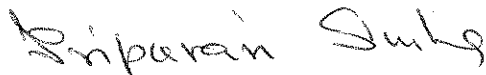
All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor, or noise. For such issues, please contact your local officials.

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above, at the local library indicated above and the IDEM public file room on the 12th floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.

If you have any questions, please contact Mehul Sura or my staff at the above address.



Tripurari P. Sinha, Ph.D., Section Chief
Permits Branch
Office of Air Quality



Indiana Department of Environmental Management

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Michael R. Pence
Governor

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Commissioner

DRAFT

New Source Construction and Minor Source Operating Permit OFFICE OF AIR QUALITY

**Omen Casting Group
1600 Rich Road
Richmond, Indiana 47374**

(herein known as the Permittee) is hereby authorized to construct and 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 2-5.1, 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.: M177-37366-00125	
Issued by: Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: Expiration Date:

TABLE OF CONTENTS

A. SOURCE SUMMARY.....	4
A.1 General Information [326 IAC 2-5.1-3(c)][326 IAC 2-6.1-4(a)]	
A.2 Emission Units and Pollution Control Equipment Summary	
B. GENERAL CONDITIONS	6
B.1 Definitions [326 IAC 2-1.1-1]	
B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]	
B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4]	
B.4 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]	
B.5 Term of Conditions [326 IAC 2-1.1-9.5]	
B.6 Enforceability	
B.7 Severability	
B.8 Property Rights or Exclusive Privilege	
B.9 Duty to Provide Information	
B.10 Annual Notification [326 IAC 2-6.1-5(a)(5)]	
B.11 Preventive Maintenance Plan [326 IAC 1-6-3]	
B.12 Prior Permits Superseded [326 IAC 2-1.1-9.5]	
B.13 Termination of Right to Operate [326 IAC 2-6.1-7(a)]	
B.14 Permit Renewal [326 IAC 2-6.1-7]	
B.15 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]	
B.16 Source Modification Requirement	
B.17 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]	
B.18 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]	
B.19 Annual Fee Payment [326 IAC 2-1.1-7]	
B.20 Credible Evidence [326 IAC 1-1-6]	
C. SOURCE OPERATION CONDITIONS.....	11
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]	
C.2 Permit Revocation [326 IAC 2-1.1-9]	
C.3 Opacity [326 IAC 5-1]	
C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]	
C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]	
C.6 Fugitive Dust Emissions [326 IAC 6-4]	
C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]	
Testing Requirements [326 IAC 2-6.1-5(a)(2)]	
C.8 Performance Testing [326 IAC 3-6]	
Compliance Requirements [326 IAC 2-1.1-11]	

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

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

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

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

Corrective Actions and Response Steps

C.12 Response to Excursions or Exceedances

C.13 Actions Related to Noncompliance Demonstrated by a Stack Test

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

C.14 Malfunctions Report [326 IAC 1-6-2]

C.15 General Record Keeping Requirements [326 IAC 2-6.1-5]

C.16 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

D.1. EMISSIONS UNIT OPERATION CONDITIONS..... 17

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

D.1.1 Particulate [326 IAC 6.5]

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

D.1.3 Preventive Maintenance Plan [326 IAC 1-6-3]

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

D.1.4 Particulate Control

D.1.5 One-Time Testing Requirement [326 IAC 2-1.1-11]

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

D.1.6 Visible Emissions Notations

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

D.1.7 Record Keeping Requirements

D.1.8 Reporting Requirements

Quarterly Report

Annual Notification

Malfunction Report

Affidavit of Construction

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)]

The Permittee owns and operates a stationary new automotive aluminum die-casting parts manufacturing plant.

Source Address:	1600 Rich Road, Richmond, Indiana 47374
General Source Phone Number:	317-685-6600
SIC Code:	3363 (Aluminum Die-Castings)
County Location:	Wayne
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Program
	Minor Source, under PSD Rule
	Minor Source, Section 112 of the Clean Air Act
	Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary

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

- (a) One (1) natural gas-fired aluminum melting reverberatory furnace, identified as MF-1, approved in 2016 for construction, with a maximum melt rate of 1.65 tons of clean aluminum charge per hour, flux usage of 4.0 pounds per ton of aluminum and heat input capacity of 3.97 MMBtu/hr, without control and exhausting to stack MF-1S.
- (b) One (1) natural gas-fired aluminum melting furnace, identified as MF-2, approved in 2016 for construction, with a maximum melt rate of 0.83 tons of clean aluminum charge per hour, flux usage of 4.0 pounds per ton of aluminum and heat input capacity of 1.99 MMBtu/hr, without control and exhausting to stack MF-2S.
- (c) Six (6) electric holding furnaces, identified as HPDC-1A through 6A, approved in 2016 for construction, each with a maximum capacity of 167.2 pounds of aluminum per hour, without control and exhausting inside.
- (d) Six (6) high pressure die casting machines, identified as HPDC-1 through 6, approved in 2016 for construction, each machine with a maximum production rate of 167.2 pounds of aluminum per hour, without control, and exhausting inside.
- (e) Four (4) carousel shot blast machines, identified as SB-1, SB-2, SB-4 and SB-5, approved in 2016 for construction, each with a maximum capacity of 600 pounds of aluminum casting per hour and 18,000 pounds of steel shots per hour, controlled by dust collectors SB-1DC, SB-2DC, SB-4DC and SB-5DC, respectively, and exhausting to stacks SB-1S, SB-2S SB-4S and SB-5S, respectively.
- (f) Two (2) shot blast machines, identified as SB-3 and B-6, approved in 2016 for construction, each with a maximum capacity of 120 pounds of aluminum casting per hour, each with a maximum steel shots usage rate of 2,432 pounds per hour, controlled

by dust collector SB-3DC and SB-6DC, exhausting to stacks SB-3S and SB-6S, respectively.

- (g) Two (2) CNC machines, identified as CNC1 and CNC2, and five (5) machining cells, identified as Cell 1 through Cell 5, approved in 2016 for construction, with a total maximum capacity of 0.5 tons per hour, without control and exhausting inside.
- (h) Two (2) natural gas-fired space heaters, identified as HVAC-1 and HVAC-1, respectively.

SECTION B GENERAL CONDITIONS

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

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

B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4]

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 when prior to the start of operation, the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.
- (b) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.
- (c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

B.4 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, M177-37366-00125, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.5 Term of Conditions [326 IAC 2-1.1-9.5]

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

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

B.6 Enforceability

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.7 Severability

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.8 Property Rights or Exclusive Privilege

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

B.9 Duty to Provide Information

- (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.10 Annual Notification [326 IAC 2-6.1-5(a)(5)]

- (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, Indiana 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.11 Preventive Maintenance Plan [326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

The Permittee shall implement the PMPs.

- (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.12 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to M177-37366-00125 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.13 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 one hundred twenty (120) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

B.14 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 one hundred twenty (120) 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.15 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.16 Source Modification Requirement

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

B.17 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]

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.18 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

- (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.19 Annual Fee Payment [326 IAC 2-1.1-7]

- (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.20 Credible Evidence [326 IAC 1-1-6]

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-6.1-5(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 construct and 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]

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]

- (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]

- (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]

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]

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]

- (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. The analog instrument shall be capable of measuring values outside of the normal range.

- (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 Response to Excursions or Exceedances

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

C.13 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 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.14 Malfunctions Report [326 IAC 1-6-2]

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.15 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.16 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) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) natural gas-fired aluminum melting reverberatory furnace, identified as MF-1, approved in 2016 for construction, with a maximum melt rate of 1.65 tons of clean aluminum charge per hour, flux usage of 4.0 pounds per ton of aluminum and heat input capacity of 3.97 MMBtu/hr, without control and exhausting to stack MF-1S.
- (b) One (1) natural gas-fired aluminum melting furnace, identified as MF-2, approved in 2016 for construction, with a maximum melt rate of 0.83 tons of clean aluminum charge per hour, flux usage of 4.0 pounds per ton of aluminum and heat input capacity of 1.99 MMBtu/hr, without control and exhausting to stack MF-2S.
- (e) Four (4) carousel shot blast machines, identified as SB-1, SB-2, SB-4 and SB-5, approved in 2016 for construction, each with a maximum capacity of 600 pounds of aluminum casting per hour and 18,000 pounds of steel shots per hour, controlled by dust collectors SB-1DC, SB-2DC, SB-4DC and SB-5DC, respectively, and exhausting to stacks SB-1S, SB-2S SB-4S and SB-5S, respectively.
- (f) Two (2) shot blast machines, identified as SB-3 and B-6, approved in 2016 for construction, each with a maximum capacity of 120 pounds of aluminum casting per hour, each with a maximum steel shots usage rate of 2,432 pounds per hour, controlled by dust collector SB-3DC and SB-6DC, exhausting to stacks SB-3S and SB-6S, respectively.

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

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

D.1.1 Particulate [326 IAC 6.5]

In order to render the requirements of 326 IAC 6.5 (Particulate Matter Limitations Except Lake County) not applicable, the Permittee shall comply with the following throughput and PM limits:

- (a) The total input of metal to the melting furnaces (MF-1 and MF-2) shall not exceed 4,394 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) PM limits are as follows:

Emission Unit	PM Limit	unit of limit	control
melting furnace (MF-1)	1.1	lbs/ton of aluminum	none
melting furnace (MF-2)	1.1	lbs/ton of aluminum	none
carousel shot blast machine (SB-1)	0.85	lbs/ton of aluminum	dust collector
carousel shot blast machine (SB-2)	0.85	lbs/ton of aluminum	dust collector
shot blast machine (SB-3)	0.49	lbs/hr	dust collector
carousel shot blast machine (SB-4)	0.85	lbs/ton of aluminum	dust collector
carousel shot blast machine (SB-5)	0.85	lbs/ton of aluminum	dust collector
shot blast machine (SB-6)	0.49	lbs/hr	dust collector

Compliance with the above throughput and PM limits in conjunction with PM emissions from other emission units at the source will limit the source-wide actual PM emission to less than 10 tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 6.5 not applicable to the source.

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

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate matter (PM) rate from the activities listed below shall be limited as shown in the table.

Emission Unit	Process Weight Rate (tons/hr)	Allowable Particulate Emission Rate (326 IAC 6-3-2) (lb/hr)
melting furnace (MF-1)	1.65	5.73
melting furnace (MF-2)	0.83	3.62
carousel shot blast machine (SB-1)	9.3	18.27
carousel shot blast machine (SB-2)	9.3	18.27
shot blast machine (SB-3)	1.3	4.89
carousel shot blast machine (SB-4)	9.3	18.27
carousel shot blast machine (SB-5)	9.3	18.27
shot blast machine (SB-6)	1.3	4.89

The pound per hour limitation was calculated as follows:

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

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

D.1.3 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities and its control devices. 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.1.4 Particulate Control

In order to comply with Conditions D.1.1 and D.1.2, the dust collectors equipped on the carousel shot blast machines (SB-1, SB-2, SB-4 and SB-5) and shot blast machines (SB-3 and SB-6) for particulate control shall be in operation and control emissions from these machines at all times these machines are in operation.

D.1.5 Testing Requirement [326 IAC 2-1.1-11]

- (a) In order to ensure compliance with the Condition D.1.1, the Permittee shall perform a one-time PM testing on the melting furnace (MF-1) no later than 180 days after the initial startup of the melting furnace (MF-1).
- (b) In order to ensure compliance with the Condition D.1.1, the Permittee shall perform a PM

testing after control on the shot blast machine (SB-3) no later than 180 days after the initial startup of the shot blast machine (SB-3).

The testing shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration on any of the shot blast machines from SB-3 and SB-6 such that the time period between tests on each unit does not exceed fifteen (10) years.

Testing shall be conducted using methods approved by the Commissioner and in accordance with 326 IAC 3-6-3. Section C – Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

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

D.1.6 Visible Emissions Notations

- (a) Daily visible emission notations of the carousel shot blast and shot blast machines stacks (SB-1S through SB-6S) exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

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

D.1.7 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.1(a), the Permittee shall maintain monthly records of the input of metal at the melting furnaces (MF-1 and MF-2).
- (b) To document the compliance status with Condition D.1.6, the Permittee shall maintain records of daily visible emission notations of the stacks (SB-1S through SB-6S) exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.8 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.1.1(a) shall be submitted using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C -

General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-6.1-5(a)(2) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**Indiana Department of Environmental Management
Office of Air Quality
Compliance and Enforcement Branch**

Quarterly Report

Source Name: Omen Casting Group
Source Address: 1600 Rich Road, Richmond, Indiana 47374
MSOP Permit No.: M177-37366-00125
Facility: melting furnaces (MF-1 and MF-2)
Parameter: total input of metal
Limit: 4,394 tons per twelve consecutive month period

QUARTER : _____ YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT 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).

Company Name:	Omen Casting Group
Address:	1600 Rich Road
City:	Richmond, Indiana 47374
Phone #:	317-685-6600
MSOP #:	M177-37366-00125

I hereby certify that Omen Casting Group is :

☐ still in operation.

☐ no longer in operation.

I hereby certify that Omen Casting Group is :

☐ in compliance with the requirements of
MSOP M177-37366-00125.

☐ not in compliance with the requirements of
MSOP M177-37366-00125.

Authorized Individual (typed):
Title:
Signature:
Date:

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.

Noncompliance:

MALFUNCTION REPORT

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
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:

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

Omen Casting Group
1600 Rich Road
Richmond, Indiana 47374

Affidavit of Construction

I, _____, being duly sworn upon my oath, depose and say:
(Name of the Authorized Representative)

1. I live in _____ County, Indiana and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.
2. I hold the position of _____ for _____.
(Title) (Company Name)
3. By virtue of my position with _____, I have personal
(Company Name)
knowledge of the representations contained in this affidavit and am authorized to make
these representations on behalf of _____.
(Company Name)
4. I hereby certify that Omen Casting Group 1600 Rich Road, Richmond, Indiana 47374, completed construction of the new automotive aluminum die-casting parts manufacturing plant on _____ in conformity with the requirements and intent of the construction permit application received by the Office of Air Quality on July 1, 2016 and as permitted pursuant to New Source Construction Permit and Minor Source Operating Permit No. M177-37366-00125, Plant ID No. 177-00125 issued on _____.
5. **Permittee, please cross out the following statement if it does not apply:** Additional (operations/facilities) were constructed/substituted as described in the attachment to this document and were not made in accordance with the construction permit.

Further Affiant said not.

I affirm under penalties of perjury that the representations contained in this affidavit are true, to the best of my information and belief.

Signature _____
Date _____

STATE OF INDIANA)
)SS

COUNTY OF _____)

Subscribed and sworn to me, a notary public in and for _____ County and State of Indiana
on this _____ day of _____, 20 _____. My Commission expires: _____.

Signature _____
Name _____ (typed or printed)

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

**Technical Support Document (TSD) for a New Source Construction and
Minor Source Operating Permit (MSOP)**

Source Description and Location

Source Name:	Omen Casting Group
Source Location:	1600 Rich Road, Richmond, IN 47374
County:	Wayne
SIC Code:	3363 (Aluminum Die-Castings)
Operation Permit No.:	M177-37366-00125
Permit Reviewer:	Mehul Sura

On July 1, 2016, the Office of Air Quality (OAQ) received an application from Omen Casting Group related to the construction and operation of a new automotive aluminum die-casting parts manufacturing plant.

Existing Approvals

There have been no previous approvals issued to this source.

County Attainment Status

The source is located in Wayne County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard. ¹
PM _{2.5}	Unclassifiable or attainment effective April 5, 2005, for the annual PM _{2.5} standard.
PM _{2.5}	Unclassifiable or attainment effective December 13, 2009, for the 24-hour PM _{2.5} standard.
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.	

- (a) Ozone Standards
Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Wayne County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) PM_{2.5}
Wayne County has been classified as attainment for PM_{2.5}. Therefore, direct PM_{2.5}, SO₂, and NO_x emissions were reviewed pursuant to the requirements for Prevention of

Significant Deterioration (PSD), 326 IAC 2-2.

(c) Other Criteria Pollutants

Wayne County has been classified as attainment or unclassifiable in Indiana for all other pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

The fugitive emissions of regulated pollutants and hazardous air pollutants are counted toward the determination of 326 IAC 2-6.1 (Minor Source Operating Permits) applicability.

Background and Description of New Source Construction
--

The Office of Air Quality (OAQ) has reviewed an application, submitted by Omen Casting Group on July 1, 2016, relating to the construction and operation of a new automotive aluminum die-casting parts manufacturing plant.

The following is a list of the new emission units and pollution control devices:

- (a) One (1) natural gas-fired aluminum melting reverberatory furnace, identified as MF-1, approved in 2016 for construction, with a maximum melt rate of 1.65 tons of clean aluminum charge per hour, flux usage of 4.0 pounds per ton of aluminum and heat input capacity of 3.97 MMBtu/hr, without control and exhausting to stack MF-1S.
- (b) One (1) natural gas-fired aluminum melting furnace, identified as MF-2, approved in 2016 for construction, with a maximum melt rate of 0.83 tons of clean aluminum charge per hour, flux usage of 4.0 pounds per ton of aluminum and heat input capacity of 1.99 MMBtu/hr, without control and exhausting to stack MF-2S.
- (c) Six (6) electric holding furnaces, identified as HPDC-1A through 6A, approved in 2016 for construction, each with a maximum capacity of 167.2 pounds of aluminum per hour, without control and exhausting inside.
- (d) Six (6) high pressure die casting machines, identified as HPDC-1 through 6, approved in 2016 for construction, each machine with a maximum production rate of 167.2 pounds of aluminum per hour, without control, and exhausting inside.
- (e) Four (4) carousel shot blast machines, identified as SB-1, SB-2, SB-4 and SB-5, approved in 2016 for construction, each with a maximum capacity of 600 pounds of aluminum casting per hour and 18,000 pounds of steel shots per hour, controlled by dust collectors SB-1DC, SB-2DC, SB-4DC and SB-5DC, respectively, and exhausting to stacks SB-1S, SB-2S SB-4S and SB-5S, respectively.
- (f) Two (2) shot blast machines, identified as SB-3 and B-6, approved in 2016 for construction, each with a maximum capacity of 120 pounds of aluminum casting per hour, each with a maximum steel shots usage rate of 2,432 pounds per hour, controlled by dust collector SB-3DC and SB-6DC, exhausting to stacks SB-3S and SB-6S, respectively.
- (g) Two (2) CNC machines, identified as CNC1 and CNC2, and five (5) machining cells, identified as Cell 1 through Cell 5, approved in 2016 for construction, with a total maximum capacity of 0.5 tons per hour, without control and exhausting inside.
- (h) Two (2) natural gas-fired space heaters, identified as HVAC-1 and HVAC-1, respectively.

Enforcement Issues

There are no pending enforcement actions related to this source.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – MSOP

The following table reflects the unlimited potential to emit (PTE) of the entire source before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	116.72
PM10 ⁽¹⁾	78.74
PM2.5	78.65
SO ₂	0.06
NO _x	3.51
VOC	1.13
CO	2.93

- (1) 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) and particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 micrometers (PM2.5), not particulate matter (PM), are each considered as a "regulated air pollutant".

HAPs	Potential To Emit (tons/year)
HCl	5.87
TOTAL HAPs	6.93

- (a) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of PM is less than 250 tons per year, but greater than 25 tons per year. PM10 and PM2.5, each PTE, is less than 100 tons per year, but greater than 25 tons per year. PTE of all other regulated pollutants are less than 25 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. A Minor Source Operating Permit (MSOP) will be issued.
- (b) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of any single HAP is less than 10 tons per year and the PTE of a combination of HAPs is less than 25 tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (a) Subpart RRR—National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production

The source is an aluminum die casting facility, melts only clean charge, and does not operate sweat furnaces, thermal chip dryers, or scrap dryers/delacquering kilns/decoating kilns. Therefore, this source is not considered as 'Secondary Aluminum Production Facility' and not subject to the requirements of this rule.

- (b) Subpart TTTTTT—National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources

The source is not subject to the requirements of this NESHAP because this source is not a brass and bronze ingot making plant, secondary magnesium processing plant, or secondary zinc processing plant.

- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the permit.

Compliance Assurance Monitoring (CAM)

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.

State Rule Applicability Determination

The following state rules are applicable to the source:

- (a) 326 IAC 1-5-2 (Emergency Reduction Plans)
The source is not subject to 326 IAC 1-5-2, because the potential to emit of any pollutant is less than one hundred (100) tons per year.
- (b) 326 IAC 1-6-3 (Preventive Maintenance Plan)
The source is subject to 326 IAC 1-6-3, because the source is required have a permit under 326 IAC-2-6.1 (Minor Source Operating Permit (MSOP)).
- (c) 326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))
MSOP applicability is discussed under the Permit Level Determination – MSOP section above.
- (d) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))
This new source is not a major stationary source, under PSD (326 IAC 2-2), because:
(1) The potential to emit all PSD regulated pollutants are less than 250 tons per year, and
(2) This source is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
- (e) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
None of the emission units has the potential to emit equal to or greater than ten (10) tons per year for single HAP and equal to or greater than twenty-five (25) tons per year for combination of HAPs. Therefore, none of the emission units is subject to the provisions of 326 IAC 2-4.1.
- (f) 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.

- (g) 326 IAC 5-1 (Opacity Limitations)
This source is subject to the opacity limitations specified in 326 IAC 5-1-2(1).
- (h) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
The source is subject to the requirements of 326 IAC 6-4, because the paved road at the source have the potential to emit fugitive particulate emissions. 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.
- (i) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
This rule does not apply to the source because the source-wide fugitive particulate emissions are less than 25 tons per year.
- (j) 326 IAC 12 (New Source Performance Standards)
See Federal Rule Applicability Section of this TSD.
- (k) 326 IAC 20 (Hazardous Air Pollutants)
See Federal Rule Applicability Section of this TSD.
- (l) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
This source is located in Wayne County. The source-wide uncontrolled PM emissions are more than 10 tons per year. Therefore, the source would be subject to this rule. The source has requested IDEM to include PM limits in the permit so that the actual source-wide PM emissions are less than 10 tons per year and it will not be subject to this rule. Therefore, the following throughput and PM limits will be included in the permit:
 - (a) The total input of metal to the melting furnaces (MF-1 and MF-2) shall not exceed 4,394 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

- (b) PM limits are as follows:

Emission Unit	PM Limit	unit of limit	control
melting furnace (MF-1)	1.1	lbs/ton of aluminum	none
melting furnace (MF-2)	1.1	lbs/ton of aluminum	none
carousel shot blast machine (SB-1)	0.85	lbs/ton of aluminum	dust collector
carousel shot blast machine (SB-2)	0.85	lbs/ton of aluminum	dust collector
shot blast machine (SB-3)	0.49	lbs/hr	dust collector
carousel shot blast machine (SB-4)	0.85	lbs/ton of aluminum	dust collector
carousel shot blast machine (SB-5)	0.85	lbs/ton of aluminum	dust collector
shot blast machine (SB-6)	0.49	lbs/hr	dust collector

Compliance with the above throughput and PM limits in conjunction with PM emissions from other emission units at the source will limit the source-wide actual PM emission to less than 10 tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 6.5 not applicable to the source.

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

- (i) Pursuant to 326 IAC 6-3-2, the particulate emission rate from the emission units listed below shall be limited as specified when operating at the respective process weight rate:

Emission Unit	Process Weight Rate (tons/hr)	Allowable Particulate Emission Rate (326 IAC 6-3-2) (lb/hr)	control	controlled emissions (lbs/hr)	uncontrolled emissions (lbs/hr)	Can comply? (Y/N)
melting furnace (MF-1)	1.65	5.73	none	-	1.78	Y
melting furnace (MF-2)	0.83	3.62	none	-	0.91	Y
carousel shot blast machine (SB-1)	9.3	18.27	dust collector	-	5.1	Y
carousel shot blast machine (SB-2)	9.3	18.27	dust collector	-	5.1	Y
shot blast machine (SB-3)	1.3	4.89	dust collector	0.49	9.73	Y
carousel shot blast machine (SB-4)	9.3	18.27	dust collector	-	5.1	Y
carousel shot blast machine (SB-5)	9.3	18.27	dust collector	-	1.02	Y
shot blast machine (SB-6)	1.3	4.89	dust collector	0.49	9.73	Y

Controls are not required for the carousel shot blast machines (SB-1, SB-2, SB-4 and SB-5) to comply with the above allowable particulate emission rates for the carousel shot blast machines.

The process weight rates for the carousel shot blast machines (SB-1, SB-2, SB-4 and SB-5) and shot blast machines (SB-3 and SB-6) include aluminum casting and steel abrasives weights.

- (ii) The uncontrolled particulate emissions from each of the die casting machines (HPDC-1 through HPDC-6) are less than 0.551 pounds per hour, therefore, as pursuant to 326 IAC 6-3-1(b)(14), these emission units are exempt from 326 IAC 6-3.
- (n) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
 The unlimited VOC potential emissions from each of the following emission units is less than twenty-five (25) tons per year. Therefore, these emission units are not subject to the requirements of this rule. There are no other 326 IAC 8 rules that are applicable to these emission units.
- (i) melting furnaces (MF-1 and MF-2)
- (ii) die casting machines (HPDC-1 through HPDC-6)
- (iii) natural gas-fired space heaters (HVAC-1 and HVAC-1)

Compliance Determination, Monitoring and Testing Requirements
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- (a) The The compliance determination applicable to this source is as follows:

In order to comply with the 326 IAC 6.5 limits for the carousel shot blast and shot blast machines (SB-1 through SB-6) and 326 IAC 6-3-2 limits for the shot blast machines (SB-3 and SB-6), the dust collectors equipped on these machines shall be in operation and control emissions from these machines at all times that these machines are in operation.

(b) The compliance monitoring applicable to this source are as follows:

Control	emission unit	Parameter	Frequency
dust collector (SB-1DC)	carousel shot blast machine (SB-1)	Visible Emissions	Daily
dust collector (SB-2DC)	carousel shot blast machine (SB-2)	Visible Emissions	Daily
dust collector (SB-3DC)	shot blast machine (SB-3)	Visible Emissions	Daily
dust collector (SB-4DC)	carousel shot blast machine (SB-4)	Visible Emissions	Daily
dust collector (SB-5DC)	carousel shot blast machine (SB-5)	Visible Emissions	Daily
dust collector (SB-6DC)	shot blast machine (SB-6)	Visible Emissions	Daily

These monitoring conditions are necessary because the dust collectors for the carousel shot blast machines (SB-1, SB-2, SB-4 and SB-5) and shot blast machines (SB-3 and SB-6) must operate properly to assure compliance with 326 IAC 6.5 (Particulate Matter Limitations Except Lake County) rule avoidance limits and 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) limits.

(c) The testing requirements applicable to this source are as follows:

Emission Unit	Control Device	Pollutant	Limit	Timeframe for Testing	Frequency of Testing
melting furnace (MF-1)	none	PM	1.1 (lbs/ton Produced) ⁽¹⁾ ⁽²⁾	no later than 180 days after the initial startup of the melting furnace (MF-1)	one-time testing only
shot blast machine (SB-3)	dust collector (SB-3DC)	PM	0.49 (lbs/hr) ⁽³⁾	no later than 180 days after the initial startup of the shot blast machine (SB-3)	every five year

⁽¹⁾ Limit includes melting and fluxing emissions, combined.

⁽²⁾ 1.1 lbs/ton of aluminum limit proposed by the source for the melting furnaces (MF-1 and MF-2) are alternative uncontrolled emission factors. AP 42 12.8-2 (Secondary Aluminum Operations) emission factor for these furnaces is 4.6 lbs/ton produced. Based on the AP 42 emission factor, the actual source-wide PM would be more than 10 tons per year, if these furnaces are operated 8760 hour per year. Therefore, one-time testing requirement has been included in the permit for the melting furnaces.

⁽³⁾ The testing is required to verify the compliance with 326 IAC 6.5 rule avoidance limit.

Conclusion and Recommendation

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 July 1, 2016.

The construction and operation of this source shall be subject to the conditions of the attached proposed New Source Construction and MSOP No. M177-37366-00125. The staff recommends to the Commissioner that this New Source Construction and MSOP be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Mehul Sura 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) 233-6868 or toll free at 1-800-451-6027 extension 3-6868.
- (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 Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

Appendix A: Emission Calculations

Emission Summary

Page 1 of 7 TSD App A

Company Name: Omen Casting Group
Address City IN Zip: 1600 Rich Road, Richmond, IN 47374
Permit Number: M177-37366-00125
Reviewer: Mehul Sura
Date: 7/12/2016

PTE (tons/year)									
Emission Units	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	HAPs	Ind HAP HCl
melting furnaces (MF-1 and MF-2)	2.42	2.42	2.42	-	-	0.63	-	6.87	5.87
die casting machines (HPDC-1 through HPDC-6)	0.0022	0.0022	0.0022	0.0439	0.0220	0.3076	0.0000		
carousel shot blast machines (SB-1, SB-2, SB-4 and SB-5)	28.41	2.84	2.84	-	-	-	-	-	-
shot blast machine (SB-3)	42.61	36.64	36.64						
shot blast machine (SB-6)	42.61	36.64	36.64						
Combustion	0.02	0.07	0.07	0.02	3.49	0.19	2.93	0.07	0.00
machining operation (CNC1, CNC2, and Cell 1 through Cell 5)	neg.	neg.	neg.	-	-	-	-	-	-
Paved Roads	0.65	0.13	0.03						
TOTAL:	116.72	78.74	78.65	0.06	3.51	1.13	2.93	6.93	5.87

neg. = negligible

PM PTE to avoid 326 IAC 6.5-1-2 rule applicabilty

Emission Units	PM
melting furnaces (MF-1 and MF-2)	2.42
die casting machines (HPDC-1 through HPDC-6)	0.00
carousel shot blast machines (SB-1, SB-2, SB-4 and SB-5)	1.42
shot blast machine (SB-3)	2.13
shot blast machine (SB-6)	2.13
Combustion	0.02
machining operation (CNC1, CNC2, and Cell 1 through Cell 5)	neg.
Paved Roads	0.65
TOTAL:	8.77

Appendix A: Emission Calculations
melting furnaces (MF-1 and MF-2)

Page 2 of 7 TSD App A

Company Name: Omen Casting Group
Address City IN Zip: 1600 Rich Road, Richmond, IN 47374
Permit Number: M177-37366-00125
Reviewer: Mehul Sura
Date: 7/12/2016

melting furnaces (MF-1 and MF-2)

Melt emission

source-wide maximum aluminum throughput (tons/yr) 4394.016

	PM	PM10	PM2.5	SOx	NOx	VOC	CO
Emission Factor (lbs/ton Produced)	1.1	1.1	1.1	-	-	0.2	--
Potential Emissions tons/year	2.4	2.4	2.4	-	-	0.4	--

Methodology

The source can die cast maximum 4,394 tons of aluminum per year. Therefore, the source-wide maximum aluminum throughput is 4,394 and PTE of the furnaces are based on this rate.

VOC Emission factor is from SCC 3-04-001-03. PM Emission factor is from STAPPA/ALAPCO, "Air Quality Permits, A Handbook for Regulators and Industry."

PM=PM10=PM2.5

PM, PM10 and PM2.5 emissions includes melt and flux emissions.

PM emission factor is an alternative emission factor. One-time PM testing requirement has been included in the permit.

Potential Emissions (tons/year) = Maximum Aluminum Throughput (tons/yr) x Emission Factor (lbs/ton Produced) / 2000 (lbs/ton)

Fluxing

	Flux Additions (lbs/ton of metal)	Flux Additions (lbs/yr)	Flux Additions (ton/yr)
Maximum Aluminum Throughput (tons/yr) 4394.02	4.00	17576.1	8.79

Theoretical Worst Case Composition of Flux	Worst Case Flux Formulation (% by wt)	Molecular Weight of Compound	Molecular Weight of F or Cl	Mol Wt of F or Cl in Compound	F or Cl % in compound	Molecular Weight of HF/HCl	HF to F ratio or HCl to Cl ratio	HF Emission Factor (lb HF/lb flux)	HCl Emissions Factor (lb HCl/lb flux)	HF Potential Emissions (tons/yr)	HCl Potential Emissions (tons/year)
Sodium Aluminum Fluoride (Na ₃ AlF ₆)	13%	209.90	19.0	114.00	54%	20.01	1.05	0.07	-	0.65	-
Potassium Aluminum Fluoride (KAlF ₄)	7%	142.00	19.0	76.00	54%	20.01	1.05	0.04	-	0.35	-
Potassium Chloride (KCl)	60%	74.55	35.5	35.45	48%	36.46	1.03	-	0.29	-	2.58
Sodium Chloride (NaCl)	60%	58.44	35.5	35.45	61%	36.46	1.03	-	0.37	-	3.29
Total								0.11	0.67	1.00	5.87

Methodology

F = Fluorine, HF = Hydrogen fluoride and HCl = Hydrogen Chloride

Molecular Weight of F/Cl in Compound = Mol Wt of F/Cl * Number of Fluorine/Chlorine Atoms in Compound

F (% by wt) in compound = Mol Wt of F in compound/Mol Wt of compound

HF to F ratio = Molecular Weight of HF/Molecular Weight of F

HCl to Cl ratio = Molecular Weight of HCl/Molecular Weight of Cl

Assumes all of the available fluorine converts to hydrogen fluoride and all of the available chlorine converts to hydrogen chloride.

Potential Emissions (tons/yr) = Flux Additions (lbs/yr) x Emission Factor (lb/lb flux) / 2000 (lbs/ton)

Appendix A: Emission Calculations
natural gas-fired units

Page 3 of 7 TSD App A

Company Name: Omen Casting Group
Address City IN Zip: 1600 Rich Road, Richmond, IN 47374
Permit Number: M177-37366-00125
Reviewer: Mehul Sura
Date: 7/12/2016

Emissions due to Natural Gas Combustion Only

Heat Input Capacity (MMBtu/hour) All Units	Heat Input Capacity (MMBtu/hour) HVAC Units Only	Potential Throughput (MMCF/year) All Units	Potential Throughput (MMCF/year) HVAC Units Only	MMBtu/hour	Unit
7.96	2.00	69.73	17.52	3.97	MF-1
				1.99	MF-2
				1.00	HVAC-1
				1.00	HVAC-2
				7.96	Total

Pollutant						
Emission Factor (lb/MMCF)	* PM 1.90	* PM10/PM2.5 7.60	SO ₂ 0.60	** NO _x 100	VOC 5.5	CO 84.0
Potential To Emit (tons/year)	0.02	0.07	0.02	3.49	0.19	2.93

* Melting PM and PM10/PM2.5 emissions are included in the emission calculation for melting process because they exit the same stack .

**Emission factor for NO_x: Uncontrolled = 100 lb/MMCF.

Emission factors are from AP-42, Chapter 1.4, Tables 1.4-1, 1.4-2, and 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (July, 1998).

All Emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

METHODOLOGY

Potential throughput (MMCF/year) = Heat input capacity (MMBtu/hour) * 8760 hours/year * 1 MMCF/1000 MMBtu

PTE (tons/year) = Potential throughput (MMCF/year) * Emission factor (lb/MMCF) * 1 ton/2000 lbs

See next page for HAPs emissions calculations.

HAPs - Organics

Emission Factor (lb/MMCF)	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential To Emit (tons/year)	7.32E-05	4.18E-05	2.61E-03	6.28E-02	1.19E-04

HAPs - Metals

Emission Factor (lb/MMCF)	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential To Emit (tons/year)	1.74E-05	3.84E-05	4.88E-05	1.32E-05	7.32E-05

Methodology is the same as previous page.

SUM 6.58E-02

The five highest organic and metal HAPs emission factors provided above are from AP-42, Chapter 1.4, Table 1-4.2, 1.4-3 and 1.4-4 (July, 1998).

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

Appendix A: Emission Calculations
die cast and rotary drum cleaning machines

Page 4 of 7 TSD App A

Company Name: Omen Casting Group
Address City IN Zip: 1600 Rich Road, Richmond, IN 47374
Permit Number: M177-37366-00125
Reviewer: Mehul Sura
Date: 7/12/2016

die casting machines (HPDC-1 through HPDC-6)

Maximum Aluminum Throughput (tons/yr) * **4,394 tons/year**

Emission Unit Description	Unit ID	Maximum Throughput (lb/hour)	Maximum Throughput (ton/hour)	Emission Factor							Potential to Emit (tons/yr)						
				PM (lb/ton)	PM10 (lb/ton)	PM2.5 (lb/ton)	SO2 (lb/ton)	Nox (lb/ton)	VOC (lb/ton)	CO (lb/ton)	PM (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	SO2 (tons/yr)	Nox (tons/yr)	VOC (tons/yr)	CO (tons/yr)
High Pressure Die Cast Machine	HPDC - 1	167.2	0.08	0.001	0.001	0.001	0.02	0.01	0.14	0.00	0.0004	0.0004	0.0004	0.01	0.004	0.05	0.00
High Pressure Die Cast Machine	HPDC - 2	167.2	0.08	0.001	0.001	0.001	0.02	0.01	0.14	0.00	0.0004	0.0004	0.0004	0.01	0.004	0.05	0.00
High Pressure Die Cast Machine	HPDC - 3	167.2	0.08	0.001	0.001	0.001	0.02	0.01	0.14	0.00	0.0004	0.0004	0.0004	0.01	0.004	0.05	0.00
High Pressure Die Cast Machine	HPDC - 4	167.2	0.08	0.001	0.001	0.001	0.02	0.01	0.14	0.00	0.0004	0.0004	0.0004	0.01	0.004	0.05	0.00
High Pressure Die Cast Machine	HPDC - 5	167.2	0.08	0.001	0.001	0.001	0.02	0.01	0.14	0.00	0.0004	0.0004	0.0004	0.01	0.004	0.05	0.00
High Pressure Die Cast Machine	HPDC - 6	167.2	0.08	0.001	0.001	0.001	0.02	0.01	0.14	0.00	0.0004	0.0004	0.0004	0.01	0.004	0.05	0.00
TOTAL:		1,003.2	0.50								0.0022	0.0022	0.0022	0.04	0.02	0.31	0.00

Methodology:

*Maximum Production Rate at 8,760 hours/yr.

PM Emission Factor is from FIRE, Version 6.24, for Aluminum Pouring/Casting.

PM=PM10=PM2.5

SO2, Nox and VOC emission factors are from SCC 3-04-001-14.

Potential to Emit (tons/yr) = Maximum Aluminum Input (ton/yr) x Emission Factor (lb/ton) x 8760 hr/yr x 1 ton/2000 lb

carousel shot blast machines (SB-1, SB-2, SB-4 and SB-5)

Maximum Production Rate **3,343 tons/yr**

Emission Unit ID	Max. Casting Rate (lb/hour)	Max. Casting Rate (tons/hour)	Emission Factor (lb/ton)			uncontrolled PM emission (lb/hr)	Potential to Emit (tons/yr)			Control Efficiency	controlled PM emissions (lb/ton)	controlled PM emissions (lb/ton)	controlled PM emissions (lb/ton)	controlled PM emissions (tons/year)	controlled PM emissions (tons/year)	controlled PM emissions (tons/year)
			PM	PM10	PM2.5		PM	PM10	PM2.5							
SB-1	600.00	0.3	17	1.7	1.7	5.1	28.41	2.84	2.84	95.0%	0.85	0.09	0.09	1.42	0.14	0.14
SB-2	600.00	0.3				5.1										
SB-4	600.00	0.3				5.1										
SB-5	120.00	0.06				1.02										
TOTAL:							28.41	2.84	2.84		0.85					

METHODOLOGY

The source can die cast maximum 4,394 tons of aluminum per year. The emissions from the shot blasting machines (SB-3 and SB-6) are higher than the carousel shot blast machines (SB-1, SB-2, SB-4 and SB-5) for each ton of aluminum metal cleaned. It is assumed that SB-3 and SB-6 cleans maximum aluminum and the remaining aluminum is cleaned at the carousel shot blast machines. Based on Carousel shot blast machines (SB-1, SB-2, SB-4 and SB-5) do not have shot blast nozzles but have shot wheels (impellers).

Emission factor for Shotblasting is from FIRE, Chapter 14, Grey Iron Foundries (SCC 3-04-003-40)

uncontrolled PM emission (lb/hr) = Max. Casting Rate (tons/hour) x Emission Factor (lb/ton)

Potential to Emit (tons/yr) = Max. Casting Rate (ton/yr) x Emission Factor (lb/ton) x 8760 hr/yr x 1 ton/2000 lb

controlled emissions (tons/yr) = Potential to Emit (tons/yr) x [1 - (Control Efficiency (%) / 100)]

controlled emissions (lbs/hr) = controlled emissions (tons/yr) x 2000 (lbs/ton) / 8760 (hrs/yr)

	Maximum Throughput Rate (lbs/hr)	Maximum Throughput Rate (tons/yr)
shot blast machine (SB-3)	120	525.6
shot blast machine (SB-6)	120	525.6
Total		1051.2

source-wide maximum aluminum throughput	4,394	(tons/year)
total Maximum Throughput Rate at (SB-3 and SB-6)	1051.2	(tons/year)
total carousel shot blast machines throughput at SB-1, SB-2, SB-4 and SB-5	3,343	(tons/year)

Appendix B: Emission Calculations
Abrasive Blasting - Confined
shot blast machine (SB-3)

Page 5 of 7 TSD App B

Company Name: Omen Casting Group
Address City IN Zip: 1600 Rich Road, Richmond, IN 47374
Permit Number: M177-37366-00125
Reviewer: Mehul Sura
Date: 7/12/2016

Table 1 - Emission Factors for Abrasives

Abrasive	Emission Factor (EF)	
	lb PM / lb abrasive	lb PM10 / lb PM
Steel Shot	0.004	0.86

Potential to Emit Before Control				
FR = Flow rate of actual abrasive (lb/hr) =	608.0000	lb/hr (per nozzle)		
w = fraction of time of wet blasting =	0	%		
N = number of nozzles =	4			
EF = PM emission factor for actual abrasive from Table 1 =	0.004	lb PM/ lb abrasive		
PM10 emission factor ratio for actual abrasive from Table 1 =	0.86	lb PM10 / lb PM		
	PM	PM10	PM2.5	
Potential to Emit (before control) =	9.728	8.366	8.366	lb/hr
=	233.47	200.79	200.79	lb/day
=	42.61	36.64	36.64	ton/yr
Potential to Emit After Control				
	PM	PM10	PM2.5	
Emission Control Device Efficiency =	95.0%	95.0%	95.0%	
Potential to Emit (after control) =	0.49	0.42	0.42	lb/hr
=	11.67	10.04	10.04	lb/day
=	2.1	1.8	1.8	ton/yr

METHODOLOGY

PM2.5 emissions assumed equal to PM10 emissions.

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)

Potential to Emit (before control) = $EF \times FR \times (1 - w/200) \times N$ (where w should be entered in as a whole number (if w is 50%, enter 50))

Potential to Emit (after control) = [Potential to Emit (before control)] * [1 - control efficiency]

Potential to Emit (tons/year) = [Potential to Emit (lbs/hour)] x [8760 hours/year] x [ton/2000 lbs]

Appendix B: Emission Calculations
Abrasive Blasting - Confined
shot blast machine (SB-6)

Page 6 of 7 TSD App B

Company Name: Omen Casting Group
Address City IN Zip: 1600 Rich Road, Richmond, IN 47374
Permit Number: M177-37366-00125
Reviewer: Mehul Sura
Date: 7/12/2016

Table 1 - Emission Factors for Abrasives

Abrasive	Emission Factor (EF)	
	lb PM / lb abrasive	lb PM10 / lb PM
Steel Shot	0.004	0.86

Potential to Emit Before Control				
FR = Flow rate of actual abrasive (lb/hr) =	608.0000	lb/hr (per nozzle)		
w = fraction of time of wet blasting =	0	%		
N = number of nozzles =	4			
EF = PM emission factor for actual abrasive from Table 1 =	0.004	lb PM/ lb abrasive		
PM10 emission factor ratio for actual abrasive from Table 1 =	0.86	lb PM10 / lb PM		
	PM	PM10	PM2.5	
Potential to Emit (before control) =	9.728	8.366	8.366	lb/hr
=	233.47	200.79	200.79	lb/day
=	42.61	36.64	36.64	ton/yr
Potential to Emit After Control				
	PM	PM10	PM2.5	
Emission Control Device Efficiency =	95.0%	95.0%	95.0%	
Potential to Emit (after control) =	0.49	0.42	0.42	lb/hr
=	11.67	10.04	10.04	lb/day
=	2.1	1.8	1.8	ton/yr

METHODOLOGY

PM2.5 emissions assumed equal to PM10 emissions.

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)

Potential to Emit (before control) = $EF \times FR \times (1 - w/200) \times N$ (where w should be entered in as a whole number (if w is 50%, enter 50))

Potential to Emit (after control) = [Potential to Emit (before control)] * [1 - control efficiency]

Potential to Emit (tons/year) = [Potential to Emit (lbs/hour)] x [8760 hours/year] x [ton/2000 lbs]

Appendix A: Emission Calculations
Fugitive Dust Emissions - Paved Roads

Page 7 of 7 TSD App A

Company Name: Omen Casting Group
Address City IN Zip: 1600 Rich Road, Richmond, IN 47374
Permit Number: M177-37366-00125
Reviewer: Mehul Sura
Date: 7/12/2016

Paved Roads at Industrial Site

The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (1/2011).

Vehicle Information (provided by source)

Type	Maximum number of vehicles per day	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Vehicle (entering plant) (one-way trip)	16.0	1.0	16.0	35.0	560.0	150	0.028	0.5	165.9
Vehicle (leaving plant) (one-way trip)	16.0	1.0	16.0	35.0	560.0	150	0.028	0.5	165.9
Vehicle - Cars* (Employees entering plant) (one-way trip)	100.0	1.0	100.0	2.0	200.0	150	0.028	2.8	1036.9
Vehicle - Cars* (Employees leaving plant) (one-way trip)	100.0	1.0	100.0	2.0	200.0	150	0.028	2.8	1036.9
Total			232.0		1520.0			6.6	2405.7

Employees park on public streets and unpaved lot. (39/39)

Trucks come from public street directly to paved truck dock.

Average Vehicle Weight Per Trip =	6.6	tons/trip
Average Miles Per Trip =	0.03	miles/trip

Unmitigated Emission Factor, $E_f = [k * (sL)^{0.91} * (W)^{1.02}]$ (Equation 1 from AP-42 13.2.1)

	PM	PM10	PM2.5	
where k =	0.011	0.0022	0.00054	lb/VMT = particle size multiplier (AP-42 Table 13.2.1-1)
W =	6.6	6.6	6.6	tons = average vehicle weight (provided by source)
sL =	9.7	9.7	9.7	g/m ² = silt loading value for paved roads at iron and steel production facilities - Table 13.2.1-3)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E_f * [1 - (p/4N)]$ (Equation 2 from AP-42 13.2.1)

Mitigated Emission Factor, $E_{ext} =$	$E_f * [1 - (p/4N)]$	
where p =	125	days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)
N =	365	days per year

	PM	PM10	PM2.5	
Unmitigated Emission Factor, $E_f =$	0.592	0.118	0.0290	lb/mile
Mitigated Emission Factor, $E_{ext} =$	0.541	0.108	0.0266	lb/mile
Dust Control Efficiency =	0%	0%	0%	

Process	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)	Controlled PTE of PM2.5 (tons/yr)
Vehicle (entering plant) (one-way trip)	0.05	0.01	0.00	0.04	0.01	0.00	0.04	0.01	0.00
Vehicle (leaving plant) (one-way trip)	0.05	0.01	0.00	0.04	0.01	0.00	0.04	0.01	0.00
Vehicle - Cars* (Employees entering plant) (one-way trip)	0.31	0.06	0.02	0.28	0.06	0.01	0.28	0.06	0.01
Vehicle - Cars* (Employees leaving plant) (one-way trip)	0.31	0.06	0.02	0.28	0.06	0.01	0.28	0.06	0.01
*Based on 78 employees and 16 trucks per day.	0.71	0.14	0.03	0.65	0.13	0.03	0.65	0.13	0.03

Trucks come from public street directly into paved truck dock.

Methodology

Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
Maximum one-way miles (miles/day) = [Maximum trips per year (trip/day)] * [Maximum one-way distance (mi/trip)]
Average Vehicle Weight Per Trip (ton/trip) = SUM([Total Weight driven per day (ton/day)] / SUM([Maximum trips per day (trip/day)]))
Average Miles Per Trip (miles/trip) = SUM([Maximum one-way miles (miles/day)] / SUM([Maximum trips per year (trip/day)]))
Unmitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Unmitigated Emission Factor (lb/mile)] * (ton/2000 lbs)
Mitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Mitigated Emission Factor (lb/mile)] * (ton/2000 lbs)
Controlled PTE (tons/yr) = [Mitigated PTE (tons/yr)] * [1 - Dust Control Efficiency]

Abbreviations

PM = Particulate Matter
PM10 = Particulate Matter (<10 um)
PM2.5 = Particulate Matter (<2.5 um)
PTE = Potential to Emit

Omen Casting Group

Potential Employment Levels, People	100 on all shifts
Maximum total tons metal feed stock to plant	4,394 Tons/yr
Weight per truck.	16
Truck loads per year in and out.	244 Loads/yr
Distance from city road to truck dock (also paved)	150 Feet
Deliveries of manufacturing supplies and materials.	4 Loads/wk 208 Loads/yr
Distance from paved road down to truck dock (also paved)	150 Feet
Total Loads	452 Loads/yr 1 Loads/day



Indiana Department of Environmental Management

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

September 12, 2016

Mr. Dror De-Porto
Omen Casting Group
1600 Rich Road
Richmond, Indiana 47374

Re: Public Notice
Omen Casting Group
Permit Level: MSOP – New Construction
Permit Number: 177-37366-00125

Dear Mr. De-Porto:

Enclosed is a copy of your draft, Technical Support Document, emission calculations, and the Public Notice which will be printed in your local newspaper.

The Office of Air Quality (OAQ) has prepared two versions of the Public Notice Document. The abbreviated version will be published in the newspaper, and the more detailed version will be made available on the IDEM's website and provided to interested parties. Both versions are included for your reference. The OAQ has requested that the Palladium Item in Richmond, Indiana publish the abbreviated version of the public notice no later than September 15, 2016. You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper.

OAQ has submitted the draft permit package to the Morrisson-Reeves Library, 80 North 6th Street in Richmond, Indiana. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Mehul Sura, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 3-3838 or dial (317) 233-3838.

Sincerely,

Vicki Biddle

Vicki Biddle
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover letter 2/17/2016



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Carol S. Comer
Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

September 12, 2016

Palladium Item
1175 North A Street
Richmond, Indiana 47375

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Omen Casting Group, Wayne County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than September 15, 2016.

Please send a notarized form, clippings showing the date of publication, and the billing to the Indiana Department of Environmental Management, Accounting, Room N1345, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

To ensure proper payment, please reference account # 100174737.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call Vicki Biddle at 800-451-6027 and ask for extension 3-6867 or dial 317-233-6867.

Sincerely,

Vicki Biddle

Vicki Biddle
Permit Branch
Office of Air Quality

Permit Level: MSOP – New Construction
Permit Number: 177-37366-00125

Enclosure

PN Newspaper.dot 2/17/2016



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Michael R. Pence
Governor

Carol S. Comer
Commissioner

September 12, 2016

To: Morrisson – Reeves Library

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

Subject: **Important Information to Display Regarding a Public Notice for an Air Permit**

Applicant Name: Omen Casting Group
Permit Number: 177-37366-00125

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Request to publish the Notice of 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. **Please make this information readily available until you receive a copy of the final package.**

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. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures
PN Library.dot 2/16/2016



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Michael R. Pence
Governor

Carol S. Comer
Commissioner

Notice of Public Comment

September 12, 2016
Omen Casting Group
177-37366-00125

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.


Enclosed is a Notice of Public Comment, which has been placed in the Legal Advertising section of your local newspaper. The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana's Air Permitting Program.

Please Note: *If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure
PN AAA Cover.dot 2/17/2016


Mail Code 61-53

IDEM Staff	VBIDDLE 9/12/2016 Omen Casting Company 177-37366-00125 DRAFT			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	Type of Mail: CERTIFICATE OF MAILING ONLY	

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		Dror De-Porto Omen Casting Company 1600 Rich Rd Richmond IN 47374 (Source CAATS)										
2		Morrisson Reeves Public Library 80 N 6th St Richmond IN 47374-3079 (Library)										
3		Mr. Thomas Lee Clevenger 4005 South Franks Lane Selma IN 47383 (Affected Party)										
4		Richmond City Council and Mayors Office 50 North 5th Street Richmond IN 47374 (Local Official)										
5		Wayne County Commissioners & Council 401 East Main Street Richmond IN 47374 (Local Official)										
6		Mr. Randall Shrock 2764 Abington Pike Richmond IN 47374 (Affected Party)										
7		Wayne County Health Department 401 E. Main Street Richmond IN 47374-4388 (Health Department)										
8		Jim Schifo Keramida Environmental, Inc. 401 North College Indianapolis IN 46202 (Consultant)										
9		Richmond Casting Company 1775 Rich Road Richmond IN 47374 (Affected Party)										
10		Levi Holding, Inc. 1655 Rich Road Richmond IN 47374 (Affected Party)										
11		Romco of Columbus, Inc. 1649 Richmond Road Richmond IN 47374 (Affected Party)										
12		Edward & Sharon Dintaman 1325 Rich Road Richmond IN 47374 (Affected Party)										
13		Moonwalker Management Co, LLC 1238 Rich Road Richmond IN 47374 (Affected Party)										
14		Elevator Equipment Corporation 2230 NW 12th Street Richmond IN 47374 (Affected Party)										
15		Jesse & Catherine Lear 2325 NW 14th Street Richmond IN 47374 (Affected Party)										

Total number of pieces Listed by Sender 15	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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Mail Code 61-53

IDEM Staff	VBIDDLE 9/12/2016 Omen Casting Company 177-37366-00125		DRAFT	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	Type of Mail: CERTIFICATE OF MAILING ONLY	

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		Eric 2320 NW 14th Street Richmond IN 47374 (Affected Party)									
2		Ricky Davidson 2319 NW 15th Street Richmond IN 47374 (Affected Party)									
3		Ellen Collier 2318 NW 15th Street Richmond IN 47374 (Affected Party)									
4		Crystal Clark 2315 NW 16th Street Richmond IN 47374 (Affected Party)									
5		Lisa White 2312 NW 16th Street Richmond IN 47374 (Affected Party)									
6		Gary & Wendi Stapleton 2319 NW 17th Street Richmond IN 47374 (Affected Party)									
7		Dean & Sandy Smith 2316 NW 17th Street Richmond IN 47374 (Affected Party)									
8		Kevin & Stacey Stewart 2319 Flatley Road Richmond IN 47374 (Affected Party)									
9		Teddy Hampton 2320 Flatley Road Richmond IN 47374 (Affected Party)									
10		G. Ray & Jean L. Swiney 2218 Flatley Road Richmond IN 47374 (Affected Party)									
11		Martha & Rodney Kemplein 2212 Flatley Road Richmond IN 47374 (Affected Party)									
12		T.R. & Iva mae Wagers 2210 Flatley Road Richmond IN 47374 (Affected Party)									
13		George F & Starletta K Phenis 2204 Flatley Road Richmond IN 47374 (Affected Party)									
14		Patricia & Melvin Adams 2200 Flatley Road Richmond IN 47374 (Affected Party)									
15		Sandra Sue Jackson 2116 Flatley Road Richmond IN 47374 (Affected Party)									

Total number of pieces Listed by Sender 15	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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Mail Code 61-53

IDEM Staff	VBIDDLE 9/12/2016 Omen Casting Company 177-37366-00125 DRAFT			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	Type of Mail: CERTIFICATE OF MAILING ONLY	

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		Nicky & Tamara 2112 Flatley Road Richmond IN 47374 (Affected Party)									
2		Charles R Adams 2108 Flatley Road Richmond IN 47374 (Affected Party)									
3		John L & Flora Shepherd 1804 Rich Road Richmond IN 47374 (Affected Party)									
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

Total number of pieces Listed by Sender 3	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mail merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on insured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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