



# 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](http://www.idem.IN.gov)

**Michael R. Pence**  
Governor

**Carol S. Comer**  
Commissioner

To: Interested Parties

Date: July 8, 2016

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

Source Name: Bunn Trucking, Inc.

Permit Level: Minor Source Operating Permit

Permit Number: 003-37032-05410

Source Location: 6301 Ardmore Avenue, Fort Wayne, Indiana

Type of Action Taken: Initial Permit

## **Notice of Decision: Approval - Effective Immediately**

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the matter referenced above.

The final decision is available on the IDEM website at: <http://www.in.gov/apps/idem/caats/>  
To view the document, select Search option 3, then enter permit 37032.

If you would like to request a paper copy of the permit document, please contact IDEM's central file room:

Indiana Government Center North, Room 1201  
100 North Senate Avenue, MC 50-07  
Indianapolis, IN 46204  
Phone: 1-800-451-6027 (ext. 4-0965)  
Fax (317) 232-8659

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

*(continues on next page)*

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

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

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

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

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



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## Minor Source Operating Permit OFFICE OF AIR QUALITY

**Bunn Trucking, Inc.  
6301 Ardmore Avenue  
Fort Wayne, IN 46809**

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

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

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a MSOP under 326 IAC 2-6.1.

Operation Permit No.: MSOP 003-37032-05410	
Issued by:  Josiah K. Balogun, Section Chief Permits Branch Office of Air Quality	Issuance Date: July 8, 2016 Expiration Date: July 8, 2021

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## SECTION A SOURCE SUMMARY

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

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

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The Permittee owns and operates a portable concrete crushing and screening plant.

Source Address:	6301 Ardmore Ave., Fort Wayne, IN 46809
General Source Phone Number:	260-747-1791
SIC Code:	1429 (Crushed and Broken Stone, Not Elsewhere Classified)
County Location:	Allen
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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

- (a) Truck unloading of demolished concrete operation, with maximum throughput of 1,314,000 tons per year.
- (b) One (1) Terex portable crusher, approved in 2016 for construction, with a maximum rated capacity of 150 tons per hour, using water spray for dust suppression.
- (c) One (1) Powerscreen portable screen and stacking conveyors, approved in 2016 for construction, with a maximum rated capacity of 150 tons per hour.

The crusher is powered by a 300 Horsepower (HP) diesel-fired combustion engine and the screener and stacking conveyors are powered by a 125 HP diesel-fired combustion engine. [Non-Road Engine]

- (d) One (1) Caterpillar portable excavator, used in loading materials into the crusher, approved in 2016 for construction, with a maximum throughput rate of 150 tons per hour.
- (e) One (1) Hyundai portable excavator, approved in 2016 for construction, with a maximum throughput rate of 150 tons per hour.

One (1) excavator is used at a time and capable of processing the entire concrete pile.

- (f) One (1) Hyundai wheel loader for loading crushed materials into shipping trucks, approved in 2016 for construction..

- (g) One (1) Doosan wheel loader for loading crushed materials into shipping trucks, approved in 2016 for construction

Both loaders have a total maximum rated capacity of 150 tons per hour.

- (h) Storage pile of crushed concrete.
- (i) Unpaved roads.

## SECTION B GENERAL CONDITIONS

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

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

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

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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]

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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)]

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- (a) This permit, MSOP 003-37032-05410, 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]

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

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

**B.6 Enforceability**

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

**B.7 Severability**

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

**B.8 Property Rights or Exclusive Privilege**

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

**B.9 Duty to Provide Information**

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

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

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

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

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- (a) All terms and conditions of permits established prior to MSOP 003-37032-05410 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)]**

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The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least 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]**

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- (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**

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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]**

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

- (a) Enter upon the Permittee's premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

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

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

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- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:  
  
Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
  
The application which shall be submitted by the Permittee does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

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

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- (a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ.
- (b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

**B.20 Credible Evidence [326 IAC 1-1-6]**

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

## Portable Source Requirements

### B.21 Relocation of Portable Sources [326 IAC 2-14-4]

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- (a) This permit is approved for operation in all areas of Indiana. This determination is based on the requirements of Prevention of Significant Deterioration in 326 IAC 2-2, 326 IAC 2-1.1-5 and Emission Offset requirements in 326 IAC 2-3.
- (b) A request to relocate shall be submitted to IDEM, OAQ at least thirty (30) days prior to the intended date of relocation. This submittal shall include the following:
  - (1) A list of governmental officials entitled to receive notice of application to relocate. IC 13-15-3-1
  - (2) A list of adjacent landowners that the Permittee will send written notice to not more than ten (10) days after submission of the request to relocate. IC 13-15-8
  - (3) The new location address of the portable source.
  - (4) Whether or not this portable source will be relocated to another source.
  - (5) If relocating to another source:
    - (A) Name, location address, and permit number of the source this portable source is relocating to.
    - (B) Whether or not the sources will be considered as one source. See Non Rule Policy (NRP) Air-005 and Air-006.
  - (6) If the sources will be considered as one source, whether or not the source to be relocated to has received the necessary approvals from IDEM to allow the relocation.
- (c) A "Relocation Site Approval" letter shall be obtained prior to relocating.
- (d) A valid operation permit consists of this document and any subsequent "Relocation Site Approval" letter specifying the current location of the portable plant.

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

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

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

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

- (a) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4, while in Lake County.
- (b) 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, when the source is located in any County except Lake or the areas specified in (3)(a) through (g).
- (c) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4, when the source is located in any areas listed in 326 IAC 5-1-1(c), unless otherwise stated in this permit .
- (d) 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, when the source is located in any County.

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

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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]

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

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

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

C.7 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

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Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the attached plan as in Attachment A.

C.8 Particulate Matter Emission Limitations [326 IAC 6.8-10-3]

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Pursuant to 326 IAC 6.8-10-3 (Particulate Matter Emission Limitations), the particulate matter emissions from source wide activities when in Lake County shall meet the following requirements:

- (a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).
- (b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).
- (c) The opacity of fugitive particulate emissions from exposed areas shall not exceed ten percent (10%) on a six (6) minutes average.
- (d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.
- (e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.
- (f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck at any time.
- (g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).
- (h) Material processing facilities shall include the following:
  - (1) The opacity of fugitive particulate emissions from a crusher at which a capture system is not used shall not exceed fifteen percent (15%).
- (i) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).

- (j) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the attached Fugitive Dust Control Plan.

C.8 Asbestos Abatement Projects [326 IAC 14-10][326 IAC 18][40 CFR 61, Subpart M]

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
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.9 Performance Testing [326 IAC 3-6]**

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

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

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

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

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

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

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

#### **C.12 Instrument Specifications [326 IAC 2-1.1-11]**

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- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. 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.13 Response to Excursions or Exceedances**

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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.14 Actions Related to Noncompliance Demonstrated by a Stack Test**

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline

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

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

#### **C.15 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.16 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.17 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) Truck unloading of demolished concrete operation, with maximum throughput of 1,314,000 tons per year.
- (b) One (1) Terex portable crusher, approved in 2016 for construction, with a maximum rated capacity of 150 tons per hour, using water spray for dust suppression.
- (c) One (1) Powerscreen portable screen and stacking conveyors, approved in 2016 for construction, with a maximum rated capacity of 150 tons per hour.

The crusher is powered by a 300 Horsepower (HP) diesel-fired combustion engine and the screener and stacking conveyors are powered by a 125 HP diesel-fired combustion engine. [Non-Road Engine]

- (d) One (1) Caterpillar portable excavator, used in loading materials into the crusher, approved in 2016 for construction, with a maximum throughput rate of 150 tons per hour.
- (e) One (1) Hyundai portable excavator, approved in 2016 for construction, with a maximum throughput rate of 150 tons per hour.
- (f) One (1) Hyundai wheel loader for loading crushed materials into shipping trucks, approved in 2016 for construction, with a maximum rated capacity of 150 tons per hour.
- (g) One (1) Doosan wheel loader for loading crushed materials into shipping trucks, approved in 2016 for construction, with a maximum rated capacity of 150 tons per hour.
- (h) Storage pile of crushed concrete.
- (i) Unpaved roads.

(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 Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the Truck Unloading, Crushing, Screening, and Excavator shall not exceed 55.44 pounds per hour each, when each equipment is operating at process weight rate of 150 tons per hour. The pound per hour limitation was calculated with the following equation:

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

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

#### D.1.2 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for this facility. 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.1.3 Particulate Control [326 IAC 2-6.1-5(a)(2)]**

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In order to ensure compliance with Condition D.1.1, the Permittee shall implement the following fugitive dust control as required in the Fugitive Dust Control Plan (Attachment A):

- (a) The asphalt roadways/routes entering and exiting the property shall be hosed down and brushed with water on as needed basis, weather permitting.

Fugitive dust from the limestone roadway shall be suppressed by application of water, on as needed basis, weather permitting.

- (b) Water misters or any wetting agent shall be utilized to control particulate emissions during concrete crushing, screening and loading operations. The water misters shall be continuously operated to ensure that no visible dust is noted, weather permitting.
- (c) Pre-crushed concrete and recycled aggregate storage piles shall utilize wet suppression to control fugitive emissions and shall be applied on as needed basis, weather permitting.

**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).

<b>Company Name:</b>	Bunn Trucking, Inc.
<b>Address:</b>	6301 Ardmore Avenue
<b>City:</b>	Fort Wayne
<b>Phone #:</b>	260-747-1791
<b>MSOP #:</b>	MSOP 003-37032-05410

I hereby certify that Bunn Trucking, Inc is :

still in operation.

I hereby certify that Bunn Trucking, Inc is :

no longer in operation.

in compliance with the requirements of MSOP 003-37032-05410.

not in compliance with the requirements of MSOP 003-37032-05410.

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

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

<b>Noncompliance:</b>

### MALFUNCTION REPORT

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
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: Bunn Trucking, Inc. PHONE NO. (260) 747-1791  
LOCATION: (CITY AND COUNTY) Fort Wayne, Allen  
PERMIT NO. 003-37032 AFS PLANT ID: 003-05410 AFS POINT ID: \_\_\_\_\_  
INSP: \_\_\_\_\_  
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: \_\_\_\_\_

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

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

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

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

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

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

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

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

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

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

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

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

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

\*SEE PAGE 2

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

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

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

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

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

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

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

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

Bunn Trucking, Inc  
6301 Ardmore Avenue  
Fort Wayne, Indiana 46809

### 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 Bunn Trucking, Inc., 6301 Ardmore Ave., Fort Wayne, Indiana 46809,, Indiana, completed construction of the \_\_\_\_\_ on \_\_\_\_\_ in conformity with the requirements and intent of the construction permit application received by the Office of Air Quality on April 4, 2016, received at IDEM and as permitted pursuant to New Source Construction Permit and Minor Source Operating Permit No. MSOP 003-37032, Plant ID No. 003-05410, SOP-05410 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)

**Bunn Trucking, Inc.**  
**6301 Ardmore Avenue**  
**Fort Wayne, Indiana 46803**

**Concrete Crushing Activities**  
**FUGITIVE DUST CONTROL PLAN**

I. INTRODUCTION

This project involves the receiving of demolished concrete debris and crushing into recycled aggregate material. The concrete crushing/screening operation is located at 6301 Ardmore Avenue. This Fugitive Dust Control Plan (FDCP) is to address dust from the receiving/shipping, storage and operations at the subject property as well as the public roadways accessing this parcel.

II. RESPONSIBLE PARTY

The responsible party for the implementation of this Fugitive Dust Control Plan (FDCP) is Bunn Trucking.

III. REQUIREMENTS

As part of the comments received from the Indiana Department Environmental Management, a dust suppression/mitigation plan is required. This dust suppression/mitigation plan is to control generated fugitive dust to acceptable industry standards, local clean air codes/regulations requirements of the Clean Air Act.

a. RECEIVING / SHIPPING

The receiving/shipping routes into the property are a combination of asphalt and limestone surface to a distance of 875 feet into the property. The asphalt surface will be cleaned daily with water and brushing with the excess water being collected by the onsite storm water management system which includes a retention/sedimentation basin. The washing will occur with an on-site water truck and brushing by an on-site self-propelled sweeper.

The remaining internal drives and drive paths are limestone material. The fugitive dust from these areas will be suppressed by an on-site water truck applying water as needed except during inclement weather. The water source for this suppression is the city water.

If it is determined that the water suppression is not sufficient to maintain the levels of fugitive dust control, then a surface applied dust management product can be installed to manufacturer's recommendations. A typical product would be Earth Armour, Dust Fyghter or Road Pro NT (or similar) as manufactured by Midwest Industrial Supply.

b. STORAGE PILES

The fugitive dust from the pre-crushed concrete and recycled aggregate storage piles will be suppressed with water sprinklers located strategically so full coverage of the piles can

be achieved. The water will be applied on as needed basis from the same water sources as for filling the water truck via sufficient sized hoses.

If it is determined the water suppression is not sufficient to maintain the levels of fugitive dust, then a surface applied manufactured product such as Bunker Seal (Midwest Industrial Supply) or equivalent will be installed.

c. PROCESSING OPERATIONS

The crushing and screening equipment have water suppression misters located on them that are continuously operated during process operations. The water source will be municipal city water. These misters can be adjusted to keep fugitive dust controlled and not an issue during operations. However, if fugitive dust becomes a problem during processing and screening, then a water sprinkler will be located at the feed hopper to wet the limestone prior to processing. This sprinkler will provide enough water to keep the concrete material wet without over saturation. The water source will be as described above being pumped through sufficient size hoses.

d. PUBLIC ROADWAYS

If the public roadways become a source of fugitive dust from traffic entering/exiting this property, street cleaning mobile equipment will be used to remove dust and sediment build up on the public streets.

**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:** Bunn Trucking, Inc.  
**Source Location:** 6301 Ardmore Ave., Fort Wayne, IN 46809  
**County:** Allen  
**SIC Code:** 1429 (Crushed and Broken Stone, Not Elsewhere Classified)  
**Operation Permit No.:** 003-37032-05410  
**Permit Reviewer:** Aida DeGuzman

On April 4, 2016, the Office of Air Quality (OAQ) received an application from Bunn Trucking, Inc. related to the construction and operation of a new portable concrete crushing and screening plant.

**Existing Approvals**

There have been no previous approvals issued to this source.

**County Attainment Status**

The source is located in Allen County.

Pollutant	Designation
SO <sub>2</sub>	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O <sub>3</sub>	Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard. <sup>1</sup>
PM <sub>2.5</sub>	Unclassifiable or attainment effective April 5, 2005, for the annual PM <sub>2.5</sub> standard.
PM <sub>2.5</sub>	Unclassifiable or attainment effective December 13, 2009, for the 24-hour PM <sub>2.5</sub> standard.
PM <sub>10</sub>	Unclassifiable effective November 15, 1990.
NO <sub>2</sub>	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.

<sup>1</sup>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<sub>x</sub>) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO<sub>x</sub> emissions are considered when evaluating the rule applicability relating to ozone. Allen County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
  
- (b) **PM<sub>2.5</sub>**  
 Allen County has been classified as attainment for PM<sub>2.5</sub>. Therefore, direct PM<sub>2.5</sub>, SO<sub>2</sub>, and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (c) Other Criteria Pollutants  
Allen County has been classified as attainment or unclassifiable in Indiana for SO<sub>2</sub>, CO, PM<sub>10</sub>, NO<sub>x</sub>, and Lead. 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 criteria 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 Bunn Trucking, Inc. April 4, 2016, relating to the construction and operation of a portable concrete crushing and screening plant. Demolished concrete is brought by trucks and crushed at the site.

- (a) Truck unloading of demolished concrete operation, with maximum throughput of 1,314,000 tons per year.
- (b) One (1) Terex portable crusher, approved in 2016 for construction, with a maximum rated capacity of 150 tons per hour, using water spray for dust suppression.
- (c) One (1) Powerscreen portable screen and stacking conveyors, approved in 2016 for construction, with a maximum rated capacity of 150 tons per hour.

The crusher is powered by a 300 Horsepower (HP) diesel-fired combustion engine and the screener and stacking conveyors are powered by a 125 HP diesel-fired combustion engine.[Non-Road Engine]

- (d) One (1) Caterpillar portable excavator, used in loading materials into the crusher, approved in 2016 for construction, with a maximum throughput rate of 150 tons per hour.
- (e) One (1) Hyundai portable excavator, approved in 2016 for construction, with a maximum throughput rate of 150 tons per hour.

One (1) excavator is used at a time and capable of processing the entire concrete pile.

- (f) One (1) Hyundai wheel loader for loading crushed materials into shipping trucks, approved in 2016 for construction..
- (g) One (1) Doosan wheel loader for loading crushed materials into shipping trucks, approved in 2016 for construction

Both loaders have a total maximum rated capacity of 150 tons per hour.

- (h) Storage pile of crushed concrete.
- (i) Unpaved roads.

### 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	89.38
PM10 <sup>(1)</sup>	68.46
PM2.5	66.7
SO <sub>2</sub>	--
NO <sub>x</sub>	--
VOC	--
CO	--

(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".

(Note: The crusher is powered by 300 HP diesel engine and screener is powered by 125 HP diesel engine. These engines are considered nonroad engines, therefore, their PTEs are not counted toward permitting applicability.

- (a) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of PM, PM10 and PM2.5 are each less than one hundred (100) tons per year, but greater than or equal to twenty-five (25) tons per year. The PTE of all other regulated criteria pollutants are less than twenty-five (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 ten (10) tons per year and the PTE of a combination of HAPs is less than twenty-five (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)

- (a) 40 CFR 60, Subpart LL - New Source Performance Standard for Metallic Mineral Processing Plants

The requirements of 40 CFR 60, Subpart LL are not included in the MSOP, for the crusher, screener and conveyors because the source does not process metallic mineral.

- (b) 40 CFR 60, Subpart NN - New Source Performance Standard for Phosphate Rock Plants

The requirements of 40 CFR 60, Subpart NN are not included in the MSOP, for the crusher, and screener because these units will not be utilized in phosphate rock processing.

- (c) 40 CFR 60, Subpart 000 - New Source Performance Standards for Nonmetallic Mineral Processing Plants

The provisions of this subpart are applicable to the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station that commences construction, modification, or reconstruction after August 31, 1983.

The proposed portable concrete crushing operation is not subject to the requirements of 40 CFR 60, Subpart 000 because it does not have a maximum rated capacity of more than 136 megagrams per hour (150 tons per hour).

- (d) 40 CFR 60, Subpart IIII - New Source Performance Standard for Stationary Compression Ignition Internal Combustion Engines

The requirements of 40 CFR 60, Subpart IIII are not included in the MSOP because the combustion engines associated with the crusher, screen and conveyor are non-road engines, as defined at 40 CFR 1068.30 and they do not meet the definition of a stationary internal combustion engine in 40 CFR 60.4219, Subpart IIII.

A nonroad engine as defined in 40 CFR 1068.30, is an internal combustion engine that meets any of the following criteria:

- (i) It is (or will be) used in or on a piece of equipment that is self-propelled or serves a dual purpose by both propelling itself and performing another function (such as garden tractors, off-highway mobile cranes and bulldozers).
- (ii) It is (or will be) used in or on a piece of equipment that is intended to be propelled while performing its function (such as lawnmowers and string trimmers).
- (iii) By itself or in or on a piece of equipment, it is portable or transportable, meaning designed to be and capable of being carried or moved from one location to another. Indicia of transportability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform.
- (iv) The engine otherwise included in this definition will not remain at a location for more than 12 consecutive months at a source.

- (e) There are no other 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)

- (f) 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Stationary Reciprocating Internal Combustion Engines (RICE)

40 CFR Part 63, Subpart ZZZZ is applicable to stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions.

The proposed engines associated with the crusher, screen and transfer conveyor are located at the plant which is an area source. However, the requirements of 40 CFR Part 63, Subpart ZZZZ are not applicable to the proposed engines because they are not a stationary RICE, they are non-road engines as defined in 40 CFR 1068.30.

- (g) There are no other 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)

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

<b>State Rule Applicability Determination</b>
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- (a) 326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))  
MSOP applicability is discussed under the Permit Level Determination – MSOP section above.
- (b) 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 it does not have the potential to emit PM and all the other criteria pollutants at 250 tons per year.
- (c) 326 IAC 2-4-1 (Major Sources of Hazardous Air Pollutants)  
The potential to emit of any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (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 2-4.1.
- (d) 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). Although the proposed portable source can relocate in Lake, Porter, or LaPorte County, it does not emit VOC or NOx at levels equal to or greater than 25 tons per year 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.
- (e) 326 IAC 5-1 (Opacity Limitations)  
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
- (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4, when not located in Lake County or the areas listed in 326 IAC 5-1-1(c).
  - (2) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4, when located in Lake County.
  - (3) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4, when located in any of the following areas:
    - (A) Clark County, Jeffersonville Township.
    - (B) Dearborn County, Lawrenceburg Township.
    - (C) Dubois County, Bainbridge Township.
    - (D) Lake County, an area bounded on the north by Lake Michigan, on the west by the Indiana-Illinois state line, on the south by U.S. 30 from the state line to the intersection of I-65 to the intersection of I-94 then following I-94 to the Lake-Porter county line, and on the east by the Lake-Porter county line.

- (E) Marion County, except the area of Washington Township east of Fall Creek and the area of Franklin Township south of Thompson Road and east of Five Points Road.
  - (F) St. Joseph County, the area north of Kern Road and east of Pine Road.
  - (G) Vanderburgh County, the area included in the city of Evansville and Pigeon Township.
  - (H) Vigo County, the area within a five-tenths (0.5) kilometer radius circle centered at UTM Coordinates Zone 16 East four hundred sixty-four and fifty-two hundredths (464.52) kilometers North four thousand three hundred sixty-nine and twenty-one hundredths (4,369.21) kilometers.
- (4) 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.
- (f) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)  
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.
- (g) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)  
This rule applies to the following:
- (1) Any source of fugitive particulate matter emissions located in nonattainment areas for particulate matter except for such a source located in Lake County which has potential fugitive particulate matter emissions of twenty-five (25) tons per year or more.
  - (2) Any new source of fugitive particulate matter emissions, located anywhere in the state, requiring a permit as set forth in 326 IAC 2, which has not received all the necessary preconstruction approvals before December 13, 1985. If any control measure established by this rule is inconsistent with an applicable control measure contained in 326 IAC 12, the more stringent measure shall apply.

The source has fugitive particulate emissions of greater than 25 tons per year and it will initially be located in an attainment area and requiring a permit as set forth in 326 IAC 2 and can potentially relocate to the counties listed in 326 IAC 6-5-1(a)(1)(2). Therefore, it is subject to 326 IAC 6-5. Pursuant to 326 IAC 6-5, fugitive particulate matter emissions shall be controlled according to the Fugitive Dust Control Plan, submitted on May 6, 2016, which is included as Attachment A to the permit.

- (h) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)  
This rule applies to sources, facilities and operations located in Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo, or Wayne and has the potential to emit one hundred (100) tons or more of particulate matter per year or actual emissions of ten (10) tons or more of particulate matter per year.

The source can relocate to Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo, or Wayne.

Pursuant to 326 IAC 6.5-1(g), mineral aggregate operations where the process is totally enclosed, shall comply with the requirements in subsection (a), i.e. a limit of 0.03 grain per dry standard cubic foot (gr/dscf). However, the proposed concrete crushing operation is a fugitive emission source and it is not a totally enclosed operation, therefore, it is not subject to 326 IAC 6.5.

- (i) 326 IAC 6.8-10 (Lake County: Fugitive Particulate Matter)  
 The Permittee shall be subject to the requirements of 326 IAC 6.8-10, if the source is relocated to Lake County, since it has the potential to emit five (5) tons per year of fugitive particulate emissions .
- (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.

Crusher, Screening, Conveying (loader).

- (l) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)  
 Pursuant to 326 IAC 6-3-2, the allowable particulate matter (PM) the following units shall be limited as reflected in the following table:

Process Description	Process Weight Rate (tons/hour)	PM Emission Limits (pounds/hour)	PM Emissions (pounds/hour)
Truck Unloading	150	55.44	1.22
Crushing	150	55.44	0.81
Screening	150	55.44	3.75
Stacker Conveyor	150	NA	0.45 <0.551
Conveyors (loaders)	150	NA	0.45 <0.551
Excavators	150	55.44	13.15

The pounds per hour limits above were calculated with the following equation:

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

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

The truck unloading, crusher, screen and excavator are in compliance with 326 IAC 6-3-2 because each unit's PM emission is less than the PM limit allowed under the rule.

- (m) There are no 326 IAC 8 Rules that are applicable to the concrete crushing and screening plant because it is not emitting any volatile organic compounds (VOC).

<b>Compliance Determination Requirements</b>
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The compliance determination requirements applicable to this source is as follows:

Emission Unit	Control Measures	Frequency
Concrete Truck Unloading, Crushing, Excavating Screening and Loading	Water Suppression	Asphalt roadways/route into the property will be hosed down and brushed with water as needed. Limestone pathways - water application on as needed basis Storage piles - water application on as needed basis Crushing, Screening and Conveying have water suppression misters that are continuously operated during process operations.

### 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 April 4, 2016, with additional information received on April 20, 2016, and May 6 and 20, 2016.

The construction and operation of this source shall be subject to the conditions of the attached proposed New Source Construction and MSOP No. 003-37032-05410. 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 Aida DeGuzman 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) 233-4972 or toll free at 1-800-451-6027 extension 3-4972.
- (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  
Summary**

**Company Name:** Bunn Trucking, Inc.  
**Address City IN Zip:** 6301 Ardmore Ave., Fort Wayne, IN 46809  
**Permit Number:** MSOP 003-37032-05410  
**Reviewer:** Aida DeGuzman

**Uncontrolled Potential to Emit (ton/year)**

Units	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Total HAP	Worst-Case Individual HAP
Demolished Concrete Receiving and Handling	5.35	2.53	0.38	--	--	--	--	--	--
Crushing	3.55	1.58	1.58	--	--	--	--	--	--
Screening	16.43	5.72	5.72	--	--	--	--	--	--
Stack Conveyor	1.97	0.72	0.72	--	--	--	--	--	--
Conveying (loaders)	1.97	0.72	0.72	--	--	--	--	--	--
Excavator	57.60	57.60	57.60	--	--	--	--	--	--
Storage Piles	0.34	0.12	0.12	--	--	--	--	--	--
Unpaved Roads	7.53	2.01	0.20	--	--	--	--	--	--
<b>Total Uncontrolled PTE</b>	<b>89.38</b>	<b>68.46</b>	<b>66.66</b>	--	--	--	--	--	--

The crusher is powered by 300 HP diesel engine and screener is powered by 125 HP diesel engine. These engines are considered nonroad engines, therefore, their PTEs are not counted toward permitting applicability. Likewise, nonroad engines are not subject to the NSPS and NESHAP.

**Appendix A.2: Limited Emissions Summary  
Fugitive Dust from Concrete Crushing Operations  
Material Processing and Handling**

**Company Name:** Bunn Trucking, Inc.  
**Address City IN Zip:** 6301 Ardmore Ave., Fort Wayne, IN 46809  
**Permit Number:** MSOP 003-37032-05410  
**Reviewer:** Aida DeGuzman

**Batch Truck Demolished Concrete Receiving or Continuous Drop Operations (AP-42 Section 13.2.4)**

To estimate potential fugitive dust emissions from processing and handling of concrete (batch or continuous drop operations), AP-42 emission factors for Aggregate Handling, Section 13.2.4 (fifth edition, updated 11/06) are utilized.

$$E_f = k \cdot (0.0032)^{[(U/5)^{1.3} / (M/2)^{1.4}]}$$

where:  $E_f$  = Emission factor (lb/ton)

$k$ (PM) = 0.74	= particle size multiplier (0.74 assumed for aerodynamic diameter $\leq 100$ um)
$k$ (PM10) = 0.35	= particle size multiplier (0.35 assumed for aerodynamic diameter $\leq 10$ um)
$k$ (PM2.5) = 0.053	= particle size multiplier (0.053 assumed for aerodynamic diameter $\leq 2.5$ um)
$U$ = 20	= worst case annual mean wind speed (Source: NOAA, 2007*)
$M$ = 3.0	= material % moisture content of concrete (Source: AP-42 Section 13.2.4-4)
$E_f$ (PM) = 8.14E-03	lb PM/ton of material handled
$E_f$ (PM10) = 3.85E-03	lb PM10/ton of material handled
$E_f$ (PM2.5) = 5.83E-04	lb PM2.5/ton of material handled

Maximum Material Handling Throughput = 150 tons/hr      1,314,000 tons/yr

Demolished Concrete Receiving/Handling			
Type of Activity	Unlimited/ Uncontrolled PTE of PM (tons/yr)	Unlimited/ Uncontrolled PTE of PM10 (tons/yr)	Unlimited/ Uncontrolled PTE of PM2.5 (tons/yr)
Truck unloading of materials into storage piles	5.35	2.53	0.38
Excavator process and drop concrete into portable crusher	See Excavator Tab		
Total (tons/yr)	5.35	2.53	0.38

**Methodology**

Potential to Emit (tons/yr) = (Maximum Material Handling Throughput (tons/yr)) \* (Emission Factor (lb/ton)) \* (ton/2000 lbs)  
 \*Worst case annual mean wind speed (South Bend, IN) from "Comparative Climatic Data", National Climatic Data Center, NOAA, 2007

**Material Screening and Conveying (AP-42 Section 11.19.2)**

To estimate potential fugitive dust emissions from concrete crushing, screening, and conveying, AP-42 emission factors for Crushed Stone Processing Operations, Section 11.19.2 (dated 8/04) are utilized.

Operation	Uncontrolled Emission Factor for PM (lbs/ton)*	Uncontrolled Emission Factor for PM10 (lbs/ton)*	Unlimited/ Uncontrolled PTE of PM (tons/yr)	Unlimited/ Uncontrolled PTE of PM10/PM2.5 (tons/yr)
Crushing Operation	0.0054	0.0024	3.55	1.58
Screening Operation	0.025	0.0087	16.43	5.72
Stack Conveyor	0.003	0.0011	1.97	0.72
Conveying Operation (2 loaders)	0.003	0.0011	1.97	0.72
Limited Potential to Emit (tons/yr) =			23.91	8.74

**Abbreviations**

PM = Particulate Matter      PM10 = Particulate Matter (<10 um)      PTE = Potential to Emit

**Methodology**

Limited Potential to Emit (tons/yr) = [Maximum Material Handling Throughput (tons/yr)] \* [Emission Factor (lb/ton)] \* [ton/2000 lbs]  
 Emission Factors from AP-42 Chapter 11.19.2 (dated 8/04), Table 11.19.2-2

**Notes**

\*Uncontrolled emissions factors for PM/PM10 represent tertiary crushing of stone with moisture content ranging from 0.21 to 1.3 percent by weight (AP-42 Table 11.19.2-2).

**Company Name:** Bunn Trucking, Inc.  
**Address City IN Zip:** 6301 Ardmore Ave., Fort Wayne, IN 46809  
**Permit Number:** MSOP 003-37032-05410  
**Reviewer:** Aida DeGuzman

**Potential to Emit (tons per year)**

<b>Emission Unit</b>	<b>Emission Factor (tons/acre/month activity)</b>	<b>PM</b>	<b>PM10</b>	<b>PM2.5</b>
Excavators	1.2	57.6	57.6	57.6

Excavators are used to process and move concrete.

Emission factor based on AP-42 Section 13.2.3.3 for construction activities

Emission Factor was based on 4 acre area of concrete excavated

**Methodology**

PTE (tons/yr) = 1.2 \* 4 acre\*12 months/yr

**Appendix A: Emission Calculations  
Storage Piles**

**Company Name:** Bunn Trucking, Inc.  
**Address City IN Zip:** 6301 Ardmore Ave., Fort Wayne, IN 46809  
**Permit Number:** MSOP 003-37032-05410  
**Reviewer:** Aida DeGuzman

The following calculations determine the amount of emissions created by wind erosion of storage stockpiles, based on 8,760 hours of use and USEPA's AP-42 (Pre 1983 Edition), Section 11.2.3.

$E_f = 1.7 \cdot (s/1.5) \cdot (365-p) / 235 \cdot (f/15)$ <p>where <math>E_f</math> = emission factor (lb/acre/day)  <math>s</math> = silt content (wt %)  <math>p</math> = <input type="text" value="125"/> days of rain greater than or equal to 0.01 inches  <math>f</math> = <input type="text" value="15"/> % of wind greater than or equal to 12 mph</p>
---

Material	Silt Content (wt%) <sup>a</sup>	Emission Factor (lb/acre/day)	Maximum Anticipated Pile Size (acres)	Unlimited PTE of PM (tons/yr)	Unlimited PTE of PM10/PM2.5 (tons/yr)
Crushed Concrete	1.6	1.85	1.00	0.34	0.12
<b>Totals</b>				<b>0.34</b>	<b>0.12</b>

**Methodology**

Unlimited PTE of PM (tons/yr) = [Emission Factor (lb/acre/day)] \* [Maximum Pile Size (acres)] \* (ton/2000 lbs) \* (8760 hours/yr)  
 Unlimited PTE of PM10 (tons/yr) = [Potential PM Emissions (tons/yr)] \* 35%

<sup>a</sup> Silt content values obtained from AP-42 Table 13.2.4-1 (dated 1/95)

**Abbreviations**

PM = Particulate Matter  
 PM10 = Particulate Matter (<10 um)  
 PTE = Potential to Emit

**Appendix A: Emission Calculations  
Fugitive Dust Emissions - Unpaved Roads**

**Company Name:** Bunn Trucking, Inc.  
**Address City IN Zip:** 6301 Ardmore Ave., Fort Wayne, IN 46809  
**Permit Number:** MSOP 003-37032-05410  
**Reviewer:** Aida DeGuzman

**Unpaved Roads at Industrial Site**

The following calculations determine the amount of emissions created by unpaved roads, based on 8,760 hours of use and AP-42, Ch 13.2.2 (11/2006).

**Vehicle Information (provided by source)**

Type	Maximum number of vehicles	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 - Yard Feed Material Full (inbound, one-way trip)	10.0	1.0	10.0	20.0	200.0	875	0.166	1.7	604.9
Vehicle - Yard Feed Material Full (outbound, one-way trip)	10.0	1.0	10.0	10.0	100.0	875	0.166	1.7	604.9
Vehicle - Recycled Material Shipping (inbound, one-way trip)	10.0	1.0	10.0	10.0	100.0	875	0.166	1.7	604.9
Vehicle - Recycled Material Shipping (outbound, one-way trip)	10.0	1.0	10.0	20.0	200.0	875	0.166	1.7	604.9
<b>Totals</b>			<b>40.0</b>		<b>600.0</b>			<b>6.6</b>	<b>2419.5</b>

Average Vehicle Weight Per Trip = 15.0 tons/trip  
 Average Miles Per Trip = 0.17 miles/trip

Unmitigated Emission Factor, Ef =  $k \cdot [(s/12)^a] \cdot (W/3)^b$  (Equation 1a from AP-42 13.2.2)

	PM	PM10	PM2.5	
where k =	4.9	1.5	0.15	lb/mi = particle size multiplier (AP-42 Table 13.2.2-2 for Industrial Roads)
s =	6.0	6.0	6.0	% = mean % silt content of unpaved roads (AP-42 Table 13.2.2-1 Iron and Steel Production)
a =	0.7	0.9	0.9	= constant (AP-42 Table 13.2.2-2 for Industrial Roads)
W =	15.0	15.0	15.0	tons = average vehicle weight (provided by source)
b =	0.45	0.45	0.45	= constant (AP-42 Table 13.2.2-2 for Industrial Roads)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, Eext =  $E \cdot [(365 - P)/365]$  (Equation 2 from AP-42 13.2.2)

Mitigated Emission Factor, Eext =  $E \cdot [(365 - P)/365]$   
 where P = 125 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

	PM	PM10	PM2.5	
Unmitigated Emission Factor, Ef =	6.22	1.66	0.17	lb/mile
Mitigated Emission Factor, Eext =	4.09	1.09	0.11	lb/mile
Dust Control Efficiency =	0%	0%	0%	(pursuant to control measures outlined in fugitive dust control plan)

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 - Yard Feed Material Full (inbound, one-way trip)	1.88	0.50	0.05	1.24	0.33	0.03	1.24	0.33	0.03
Vehicle - Yard Feed Material Full (outbound, one-way trip)	1.88	0.50	0.05	1.24	0.33	0.03	1.24	0.33	0.03
Vehicle - Recycled Material Shipping (inbound, one-way trip)	1.88	0.50	0.05	1.24	0.33	0.03	1.24	0.33	0.03
Vehicle - Recycled Material Shipping (outbound, one-way trip)	1.88	0.50	0.05	1.24	0.33	0.03	1.24	0.33	0.03
<b>Totals</b>	<b>7.53</b>	<b>2.01</b>	<b>0.20</b>	<b>4.95</b>	<b>1.32</b>	<b>0.13</b>	<b>4.95</b>	<b>1.32</b>	<b>0.13</b>

**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



# 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](http://www.idem.IN.gov)

**Michael R. Pence**  
Governor

**Carol S. Comer**  
Commissioner

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

**TO:** Bart Bunn  
Bunn Trucking Incorporated  
3204 Lower Huntington Road  
Fort Wayne, IN 46809

**DATE:** July 8, 2016

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

**SUBJECT:** Final Decision  
Minor Source Operating Permit  
003-37032-05410

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

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

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

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

Final Applicant Cover letter.dot 2/17/2016



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**Michael R. Pence**  
*Governor*

**Carol S. Comer**  
*Commissioner*

July 8, 2016

TO: Allen County Public Library – Waynedale Branch

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

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

**Applicant Name: Bunn Trucking Incorporated**  
**Permit Number: 003-37032-05410**

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

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

Enclosures  
Final Library.dot 2/17/2016

# Mail Code 61-53

IDEM Staff	GHOTOPP 7/8/2016 Bunn Trucking Incorporated 003-37032-05410 Final		Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
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1		Bart Bunn Bunn Trucking Incorporated 3204 Lower Huntington Rd Fort Wayne IN 46809 (Source CAATS) via certified mail										
2		Daniel & Sandy Trimmer 15021 Yellow River Road Columbia City IN 46725 (Affected Party)										
3		Duane & Deborah Clark Clark Farms 6973 E. 500 S. Columbia City IN 46725 (Affected Party)										
4		Fort Wayne City Council and Mayors Office 200 E Berry Street Ste 120 Fort Wayne IN 46802 (Local Official)										
5		Allen County Public Library, Waynedale Branch 2200 Lower Huntington Rd Fort Wayne IN 46809 (Library)										
6		Mr. Jeff Coburn Plumbers & Steamfitters, Local 166 2930 W Ludwig Rd Fort Wayne IN 46818-1328 (Affected Party)										
7		Allen Co. Board of Commissioners 200 E Berry Street Ste 410 Fort Wayne IN 46802 (Local Official)										
8		Fort Wayne-Allen County Health Department 200 E Berry St Suite 360 Fort Wayne IN 46802 (Health Department)										
9		Mr. Brian Moench Moench Engineering 3996 Clarks Creek Road # 100 Plainfield IN 46168 (Consultant)										
10		Lunz Trucking Company, Inc.. 6617 Bradbury Avenue Ft. Wayne IN 46809 (Affected Party)										
11		Erie Haven, Inc.. 6300 Ardmore Avenue Ft. Wayne IN 46809 (Affected Party)										
12		Young Mens Christian Association (YMCA) 347 W. Berry St. Suite 500 Ft. Wayne IN 46802 (Affected Party)										
13		Erie Haven, Inc.. 6300 Ardmore Avenue Ft. Wayne IN 46809 (Affected Party)										
14		All Star Construction & Excavating, Inc... 5183 E SR 114 Roanoake IN 46783 (Affected Party)										
15												

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