NOTICE OF 30-DAY PERIOD
FOR PUBLIC COMMENT

Preliminary Findings Regarding the Renewal of a
Minor Source Operating Permit (MSOP)
for Bunn Box, Inc. in Allen County
MSOP Renewal No.: M777-43867-05410

The Indiana Department of Environmental Management (IDEM) has received an application from Bunn Box, Inc. located at 6301 Ardmore Avenue, Fort Wayne, Indiana 46809 for a renewal of its MSOP issued on July 8, 2016. If approved by IDEM’s Office of Air Quality (OAQ), this proposed renewal would allow Bunn Box, Inc. to continue to operate its existing source.

This draft permit does not contain any new equipment that would emit air pollutants, and no conditions from previously issued permits/approvals have been changed.

A copy of the permit application and IDEM’s preliminary findings have been sent to:

Allen County Public Library
900 Library Plaza
Fort Wayne, Indiana 46802

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

A copy of the application and preliminary findings is also available via IDEM’s Virtual File Cabinet (VFC). To access VFC, please go to: http://www.in.gov/idem/ and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria.

How can you participate in this process?

The date that this notice is posted on IDEM’s website (https://www.in.gov/idem/5474.htm) marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

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

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM’s mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit.
application, please contact IDEM at the address below. Please refer to permit number M777-43867-05410 in all correspondence.

Comments should be sent to:

Kelcy Tolliver
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for Kelcy Tolliver or (317) 234-6679
Or dial directly: (317) 234-6679
Fax: (317) 232-6749 attn: Kelcy Tolliver
E-mail: KTollive@idem.IN.gov

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

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: https://www.in.gov/idem/airpermit/2358.htm; and the Citizens' Guide to IDEM on the Internet at: https://www.in.gov/idem/6900.htm.

What will happen after IDEM makes a decision?

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

If you have any questions, please contact Kelcy Tolliver of my staff at the above address.

Josiah K. Balogun, Section Chief
Permits Branch
Office of Air Quality
Bunn Box, Inc.
Portable

(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.
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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)]

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

- Current Source Address: 6301 Ardmore Avenue, Fort Wayne, Indiana 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

This portable 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, using no control, and exhausting outdoors.

(b) One (1) Terex portable crusher, constructed in 2016, with a maximum rated capacity of 150 tons per hour, using water spray for dust suppression, and exhausting outdoors.

(c) One (1) Powerscreen portable screen and stacking conveyors, constructed in 2016, with a maximum rated capacity of 150 tons per hour, using no control, and exhausting outdoors.

   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, constructed in 2016, with a maximum throughput rate of 150 tons per hour, using no control, and exhausting outdoors.

(e) One (1) Hyundai wheel loader for loading crushed materials into shipping trucks, constructed in 2016, using no control, and exhausting outdoors.

(f) One (1) Doosan wheel loader for loading crushed materials into shipping trucks, constructed in 2016, using no control, and exhausting outdoors.

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

(g) Storage pile of crushed concrete. [326 IAC 6-4]
(h) Unpaved roads. [326 IAC 6-4]
SECTION B  GENERAL CONDITIONS

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

B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]
(a) This permit, M777-43867-05410, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]
Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability
Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability
The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege
This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information
(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.
B.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]

(a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.

(b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

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

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

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

(a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

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.

The Permittee shall implement the PMPs.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, 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.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.

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

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

(a) All terms and conditions of permits established prior to M777-43867-05410 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.11 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least 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.12 Permit Renewal [326 IAC 2-6.1-7]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

(b) A timely renewal application is one that is:

(1) Submitted at least 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.13 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.

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

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

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

B.14 Source Modification Requirement

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

B.15 Inspection and Entry

[326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

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

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

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

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

B.16 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

(a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

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

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

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

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

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

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

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-8590 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

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

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

 Entire Source

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

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

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

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

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

(a) Violation of any conditions of this permit.

(b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.

(c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.

(d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.

(e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

C.3 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

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

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.
C.6 Fugitive Dust Emissions [326 IAC 6-4]
The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

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

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(d).

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]

(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]

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]

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]

(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

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

(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, startups or shutdowns of any emission unit or emission control equipment, that results in violations of applicable air pollution control regulations or applicable emission limitations must be kept and retained for a period of three (3) years and 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 emission unit or emission control equipment occurs that lasts more than one (1) hour, the condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification must be made by telephone or other electronic means, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of the occurrence.

(c) Failure to report a malfunction of any emission unit or emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information on the scope and expected duration of the malfunction must be provided, including the items specified in 326 IAC 1-6-2(c)(3)(A) through (E).

(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) 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.

Portable Source Requirement

C.18 Relocation of Portable Sources [326 IAC 2-14-4]

(a) This permit is approved for operation in Indiana as specified below.

(1) For sources with a source-wide potential to emit volatile organic compounds (VOCs) and/or nitrogen oxides (NOx) equal to or greater than fifty (50) tons per twelve (12) consecutive month period, the permit is approved for operation in all areas of Indiana except in serious, severe, or extreme nonattainment areas for ozone.

This determination is based on the requirements of 326 IAC 2-3 (Emission Offset). Prior to locating into a serious, severe, or extreme nonattainment area for ozone, the Permittee must submit a request and obtain a permit revision.

(2) For sources with a source-wide potential to emit volatile organic compounds (VOCs) and/or nitrogen oxides (NOx) equal to or greater than twenty-five (25) tons per twelve (12) consecutive month period, the permit is approved for operation in all areas of Indiana except in severe or extreme nonattainment areas for ozone.

This determination is based on the requirements of 326 IAC 2-3 (Emission Offset). Prior to locating into a severe or extreme nonattainment area for ozone, the Permittee must submit a request and obtain a permit revision.

(3) For sources with a source-wide potential to emit volatile organic compounds (VOCs) and/or nitrogen oxides (NOx) equal to or greater than ten (10) tons per twelve (12) consecutive month period, the permit is approved for operation in all areas of Indiana except in extreme nonattainment areas for ozone.

This determination is based on the requirements of 326 IAC 2-3 (Emission Offset). Prior to locating into an extreme nonattainment area for ozone, the Permittee must submit a request and obtain a permit revision.

(4) For sources with a source-wide potential to emit volatile organic compounds (VOCs) and nitrogen oxides (NOx) of less than ten (10) tons per twelve (12)
consecutive month period, each, the permit is approved for operation in all areas of Indiana.

(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 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, using no control, and exhausting outdoors.

- **(b)** One (1) Terex portable crusher, constructed in 2016, with a maximum rated capacity of 150 tons per hour, using water spray for dust suppression, and exhausting outdoors.

- **(c)** One (1) Powerscreen portable screen and stacking conveyors, constructed in 2016, with a maximum rated capacity of 150 tons per hour, using no control, and exhausting outdoors.

  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, constructed in 2016, with a maximum throughput rate of 150 tons per hour, using no control, and exhausting outdoors.

(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 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from the truck unloading, crushing, screening, and excavating shall not exceed 55.44 pounds per hour, each, when operating at a process weight rate of 300,000 pounds per hour.

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

\[ E = 55.0 P^{0.11-40} \]

Where

- \( E \) = rate of emission in pounds per hour; and
- \( P \) = process weight rate in tons per hour

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

A Preventive Maintenance Plan is required for this facility and its control device *(if applicable).* Section B - Preventive Maintenance Plan contains the Permittee’s obligation with regard to the preventive maintenance plan required by this condition.
This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

<table>
<thead>
<tr>
<th><strong>Company Name:</strong></th>
<th>Bunn Box, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Source Address:</strong></td>
<td>6301 Ardmore Avenue</td>
</tr>
<tr>
<td><strong>City:</strong></td>
<td>Fort Wayne</td>
</tr>
<tr>
<td><strong>Phone #:</strong></td>
<td>(260) 747-1791</td>
</tr>
<tr>
<td><strong>MSOP #:</strong></td>
<td>M777-43867-05410</td>
</tr>
</tbody>
</table>

I hereby certify that Bunn Box, Inc. is:

- [ ] still in operation.
- [ ] no longer in operation.

I hereby certify that Bunn Box, Inc. is:

- [ ] in compliance with the requirements of MSOP M777-43867-05410.
- [ ] not in compliance with the requirements of MSOP M777-43867-05410.

I hereby certify that the source (M777-43867-05410) is currently located at the following address:

<table>
<thead>
<tr>
<th>(Address)</th>
<th>(City)</th>
<th>(State)</th>
<th>(Zip)</th>
</tr>
</thead>
</table>

- [ ] Relocation approval for this address was granted in Relocation No. __________________________
  (specify approval number)

- [ ] This source is currently in temporary storage (inactive/dormant) at this address.
  (Note: Relocation approval is not required for a temporary storage location.)

**Authorized Individual (typed):**

<table>
<thead>
<tr>
<th>Title:</th>
<th>Signature:</th>
</tr>
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<tbody>
<tr>
<td>Date:</td>
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</table>

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

**Noncompliance:**

<p>| | | | |</p>
<table>
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</tbody>
</table>
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 MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC _______ OR, PERMIT CONDITION # _______ AND/OR PERMIT LIMIT OF _______________. THIS INCIDENT MEETS THE DEFINITION OF "MALFUNCTION" AS LISTED ON REVERSE SIDE ? Y N THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ? Y N

COMPANY:_________________________________________________________PHONE NO. (      )___________________
LOCATION: (CITY AND COUNTY)________________________________________________________________________
PERMIT NO. ________________ AFS PLANT ID: ________________ AFS POINT ID: ________________ INSP:__________
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON:_________________________________________________________________________________________________
DATE/TIME MALFUNCTION STARTED: _____/_____/ 20____    _________________________________________ AM / PM
ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _______________________________________

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE______/______/ 20____   _______________ AM/PM

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

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _______________________________________

MEASURES TAKEN TO MINIMIZE EMISSIONS:_________________________________________________________________________________________

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:
CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES:_____________________________________________________
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS:_____________________________________________________
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT:__________________________________________________________
INTERIM CONTROL MEASURES: (IF APPLICABLE)_____________________________________________________________________________________________

MALFUNCTION REPORTED BY:__________________________________TITLE:__________________________________________________________
(SIGNATURE IF FAXED)
MALFUNCTION RECORDED BY:_______________________DATE:__________________TIME:__________________

*SEE PAGE 2
Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

326 IAC 1-6-1  Applicability of rule

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

326 IAC 1-2-39  “Malfunction” definition

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

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

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

________________________________________________________________________
________________________________________________________________________

PAGE 2 OF 2
Bunn Box, Inc.
6301 Ardmore Avenue
Fort Wayne, Indiana 46809

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, Fort Wayne, Indiana. 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.
Source Description and Location

Source Name: Bunn Box, Inc.
Source Location: 6301 Ardmore Avenue, Fort Wayne, Indiana 46809
County: Allen
SIC Code: 1429 (Crushed and Broken Stone, Not Elsewhere Classified)
Permit Renewal No.: M 777-43867-05410
Permit Reviewer: Kelcy Tolliver

On March 9, 2021, Bunn Box, Inc. submitted an application to the Office of Air Quality (OAQ) requesting to renew its operating permit. OAQ has reviewed the operating permit renewal application from Bunn Box, Inc. relating to the operation of a portable concrete crushing and screening plant. Bunn Box, Inc. was issued its first MSOP (M 777-37032-05410) on July 8, 2016.

Existing Approvals

The source was issued MSOP No. M 777-37032-05410 on July 8, 2016. The source has since received the following approval:

<table>
<thead>
<tr>
<th>Permit Type</th>
<th>Permit Number</th>
<th>Issuance Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relocation</td>
<td>777-37525-05410</td>
<td>August 19, 2016</td>
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<tr>
<td>Relocation</td>
<td>777-37712-05410</td>
<td>October 11, 2016</td>
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<td>777-38524-05410</td>
<td>May 17, 2017</td>
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<td>777-40458-05410</td>
<td>October 22, 2018</td>
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<td>Relocation</td>
<td>777-41483-05410</td>
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<td>Relocation</td>
<td>777-42122-05410</td>
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<td>777-42285-05410</td>
<td>January 2, 2020</td>
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<td>Relocation</td>
<td>777-42543-05410</td>
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<td>777-43048-05410</td>
<td>August 6, 2020</td>
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<td>November 4, 2020</td>
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<td>March 5, 2021</td>
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<tr>
<td>Relocation</td>
<td>777-44008-05410</td>
<td>April 26, 2021</td>
</tr>
</tbody>
</table>
All terms and conditions of previous permits issued pursuant to permitting programs approved into the State Implementation Plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

### Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units:

- **(a)** Truck unloading of demolished concrete operation, with maximum throughput of 1,314,000 tons per year, using no control, and exhausting outdoors.

- **(b)** One (1) Terex portable crusher, constructed in 2016, with a maximum rated capacity of 150 tons per hour, using water spray for dust suppression, and exhausting outdoors.

- **(c)** One (1) Powerscreen portable screen and stacking conveyors, constructed in 2016, with a maximum rated capacity of 150 tons per hour, using no control, and exhausting outdoors.

  The crusher is powered by a 300 Horsepower (HP) diesel-fired combustion engine and the screen 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, constructed in 2016, with a maximum throughput rate of 150 tons per hour, using no control, and exhausting outdoors.

- **(e)** One (1) Hyundai wheel loader for loading crushed materials into shipping trucks, constructed in 2016, using no control, and exhausting outdoors.

- **(f)** One (1) Doosan wheel loader for loading crushed materials into shipping trucks, constructed in 2016, using no control, and exhausting outdoors.

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

- **(g)** Storage pile of crushed concrete. [326 IAC 6-4]

- **(h)** Unpaved roads. [326 IAC 6-4]

### Enforcement Issue

There are no enforcement actions pending.

### Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

### County Attainment Status

The source is located in Allen County.

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO₂</td>
<td>Better than national standards.</td>
</tr>
<tr>
<td>CO</td>
<td>Unclassifiable or attainment effective November 15, 1990.</td>
</tr>
<tr>
<td>O₃</td>
<td>Unclassifiable or attainment effective January 16, 2018, for the 2015 8-hour ozone standard.</td>
</tr>
<tr>
<td>PM₂.₅</td>
<td>Unclassifiable or attainment effective April 15, 2015, for the 2012 annual PM₂.₅ standard.</td>
</tr>
</tbody>
</table>
### Pollutant Designation

<table>
<thead>
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<th>Pollutant</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM$_{2.5}$</td>
<td>Unclassifiable or attainment effective December 13, 2009, for the 2006 24-hour PM$_{2.5}$ standard.</td>
</tr>
<tr>
<td>PM$_{10}$</td>
<td>Unclassifiable effective November 15, 1990.</td>
</tr>
<tr>
<td>NO$_2$</td>
<td>Unclassifiable or attainment effective January 29, 2012, for the 2010 NO$_2$ standard.</td>
</tr>
<tr>
<td>Pb</td>
<td>Unclassifiable or attainment effective December 31, 2011, for the 2008 lead standard.</td>
</tr>
</tbody>
</table>

(a) **Ozone Standards**

Volatile organic compounds (VOC) and Nitrogen Oxides (NO$_x$) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO$_x$ emissions are considered when evaluating the rule applicability relating to ozone. Allen County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO$_x$ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) **PM$_{2.5}$**

Allen County has been classified as attainment for PM$_{2.5}$. Therefore, direct PM$_{2.5}$, SO$_2$, and NOx 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 all the other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

### Fugitive Emissions

Since this type of operation is not one (1) of the twenty-eight (28) listed source categories under 326 IAC 2-2-1(ff)(1), 326 IAC 2-3-2(g), or 326 IAC 2-7-1(22)(B), and there is no applicable New Source Performance Standard or National Emission Standard for Hazardous Air Pollutants that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

The fugitive emissions of regulated air pollutants and hazardous air pollutants (HAP) are counted toward the determination of MSOP (326 IAC 2-6.1) applicability and source status under Section 112 of the Clean Air Act (CAA).

### Portable Source

(a) **PSD and Emission Offset Requirements**

The emissions from this portable source were reviewed under the requirements of the Prevention of Significant Deterioration (PSD) 326 IAC 2-2 and Emission Offset 326 IAC 2-3.

(b) **Portable Source Relocation**

Section C - Relocation of Portable Sources of the permit includes conditional language based on the attainment status of the source’s current location and existing source-wide potential to emit (PTE) of air pollutants. Sources should evaluate whether to request approval to relocate to a given location in Indiana based on the county/area attainment status under 326 IAC 1-4 and 40 CFR 81.315 of the proposed location. The existing source-wide PTE should take into account any existing permits limit(s) on air pollutant emissions from existing permitted emission unit, the uncontrolled/unlimited air pollutant emissions from unpermitted emission units (if any), and increases in air pollutant emissions from modified emission units (if any). See the "County Attainment Status" section of this TSD for more information about the attainment status of the source’s current (proposed) location.
On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146, (available at http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court’s decision. U.S. EPA’s guidance states that U.S. EPA will no longer require PSD or Title V permits for sources “previously classified as ‘Major’ based solely on greenhouse gas emissions.”

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

### Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

<table>
<thead>
<tr>
<th>Unrestricted Potential Emissions (ton/year)</th>
<th>PM</th>
<th>PM&lt;sub&gt;10&lt;/sub&gt;</th>
<th>PM&lt;sub&gt;2.5&lt;/sub&gt;&lt;sup&gt;1, 2&lt;/sup&gt;</th>
<th>SO&lt;sub&gt;2&lt;/sub&gt;</th>
<th>NO&lt;sub&gt;x&lt;/sub&gt;</th>
<th>VOC</th>
<th>CO</th>
<th>Total HAPs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demolished Concrete Receiving &amp; Handling</td>
<td>5.35</td>
<td>2.53</td>
<td>0.38</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Crushing</td>
<td>3.55</td>
<td>1.58</td>
<td>1.58</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Screening</td>
<td>16.43</td>
<td>5.72</td>
<td>5.72</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Stack Conveyor</td>
<td>1.97</td>
<td>0.72</td>
<td>0.72</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Conveying (loaders)</td>
<td>1.97</td>
<td>0.72</td>
<td>0.72</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Excavator</td>
<td>57.60</td>
<td>57.60</td>
<td>57.60</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Storage Piles</td>
<td>0.34</td>
<td>0.12</td>
<td>0.12</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Unpaved Roads</td>
<td>7.53</td>
<td>2.01</td>
<td>0.20</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total PTE of Entire Source Including Source-Wide Fugitives</strong>&lt;sup&gt;*&lt;/sup&gt;</td>
<td>94.73</td>
<td>70.99</td>
<td>67.04</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Title V Major Source Thresholds

| Title V Major Source Thresholds | NA | 100 | 100 | 100 | 100 | 100 | 25 |

MSOP Thresholds

| MSOP Thresholds | 25 | 25 | 25 | 25 | 25 | < 100 | < 25 |

<sup>1</sup>Under the Part 70 Permit program (40 CFR 70), PM<sub>10</sub> and PM<sub>2.5</sub>, not particulate matter (PM), are each considered as a “regulated air pollutant.”

<sup>2</sup>PM<sub>2.5</sub> listed is direct PM<sub>2.5</sub>.

<sup>*</sup>Fugitive HAP emissions are always included in the source-wide emissions.

Appendix A of this TSD reflects the detailed unrestricted potential emissions of the source.

(a) The potential to emit (as defined in 326 IAC 2-7-1(30)) of all regulated air pollutants is less than 100 tons per year. However, PM, PM10, and PM2.5 is equal to or greater than twenty-five (25) tons per year. The source is not subject to the provisions of 326 IAC 2-7. The source will be issued an MSOP Renewal.
(b) The potential to emit (as defined in 326 IAC 2-7-1(30)) of any single HAP is less than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(30)) 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. The source will be issued an MSOP Renewal.

Potential to Emit After Issuance

The table below summarizes the uncontrolled/unlimited potential to emit of the entire source. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

<table>
<thead>
<tr>
<th>Potential To Emit of the Entire Source After Issuance of Renewal (tons/year) (Uncontrolled/Unlimited)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
</tr>
<tr>
<td>-----</td>
</tr>
<tr>
<td>Demolished Concrete Receiving &amp; Handling</td>
</tr>
<tr>
<td>Crushing</td>
</tr>
<tr>
<td>Screening</td>
</tr>
<tr>
<td>Stack Conveyor</td>
</tr>
<tr>
<td>Conveying (loaders)</td>
</tr>
<tr>
<td>Excavator</td>
</tr>
<tr>
<td>Storage Piles</td>
</tr>
<tr>
<td>Unpaved Roads</td>
</tr>
<tr>
<td>Total PTE of Entire Source Including Source-Wide Fugitives*</td>
</tr>
</tbody>
</table>

Title V Major Source Thresholds

<table>
<thead>
<tr>
<th></th>
<th>100</th>
<th>100</th>
<th>100</th>
<th>100</th>
<th>100</th>
<th>100</th>
<th>25</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSOP Thresholds</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>&lt; 100</td>
<td>&lt; 25</td>
</tr>
<tr>
<td>PSD Major Source Thresholds</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>--</td>
</tr>
</tbody>
</table>

1Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a “regulated air pollutant.”
2PM2.5 listed is direct PM2.5.
*Fugitive HAP emissions are always included in the source-wide emissions.

Appendix A of this TSD reflects the detailed unlimited/uncontrolled emissions of the source.

(a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no PSD regulated pollutant is emitted at a rate of two hundred fifty (250) tons per year or more and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).

(b) This existing source is not a major source of HAP, as defined in 40 CFR 63.2, because HAP emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).
Federal Rule Applicability

Federal rule applicability for this source has been reviewed as follows:

**New Source Performance Standards (NSPS):**

(a) The requirements of the New Source Performance Standard for Metallic Mineral Processing Plants, 40 CFR 60, Subpart LL and 326 IAC 12, are not included in the permit for this source because the source does not process metallic mineral.

(b) The requirements of the New Source Performance Standard for Nonmetallic Mineral Processing Plants, 40 CFR 60, Subpart OOO and 326 IAC 12, are not included in the permit for this source because the source does not have a maximum capacity greater than 136 megagrams per hour (150 tons per hour).

(c) The requirements of the New Source Performance Standard for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60, Subpart IIII and 326 IAC 12, are not included in the permit for the diesel engines because the engines are portable nonroad engines, not stationary.

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

**National Emission Standards for Hazardous Air Pollutants (NESHAP):**

(a) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ and 326 IAC 20-82, are not included in the permit for the engines since the engines are portable nonroad engines, not stationary.

(b) There are no other National Emission Standards for Hazardous Air Pollutants under 40 CFR 63, 326 IAC 14 and 326 IAC 20 included in the permit.

**Compliance Assurance Monitoring (CAM):**

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

State Rule Applicability - Entire Source

State rule applicability for this source has been reviewed as follows:

**326 IAC 1-6-3 (Preventive Maintenance Plan)**
The source is subject to 326 IAC 1-6-3.

**326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))**
MSOP applicability is discussed under the Potential to Emit After Issuance section of this document.

**326 IAC 2-2 (Prevention of Significant Deterioration (PSD))**
This source, a portable concrete crushing and screening plant, has the potential to emit all criteria pollutants less than 250 tons per year. Therefore, the source is not subject to the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)).
326 IAC 2-6 (Emission Reporting)
This source is not subject to 326 IAC 2-6 (Emission Reporting), because it is not required to have an
operating permit pursuant to 326 IAC 2-7 (Part 70); it is not located in Lake, Porter, Clark, or Floyd
County, and its potential to emit lead is less than 5 tons per year. Therefore, this rule does not apply.

326 IAC 5-1 (Opacity Limitations)
This source is subject to the opacity limitations specified in 326 IAC 5-1-2(1).

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.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
This source was constructed after December 13, 1985 and has potential fugitive particulate emissions of
twenty-five (25) tons per year or more. Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission
Limitations), fugitive particulate matter emissions shall be controlled according to the Fugitive Dust
Control Plan that is included as Attachment A to the permit.

State Rule Applicability – Individual Facilities

State rule applicability has been reviewed as follows:

Concrete Receiving, Handling, Crushing, Screening, and Excavating

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(a), the requirements of 326 IAC 6-3-2 are applicable to the listed emission
units since they are manufacturing processes not exempted from this rule under 326 IAC 6-3-1(b) and not
subject to a particulate matter limitation that is as stringent as or more stringent than the particulate
limitation established in this rule as specified in 326 IAC 6-3-1(c).

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:

\[ E = 55.0 \cdot P^{0.11} - 40 \]

where \( E \) = rate of emission in pounds per hour; and
\( P \) = process weight rate in tons per hour

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the listed emission units shall not exceed the
following:

<table>
<thead>
<tr>
<th>Process / Emission Unit</th>
<th>P (ton/hr)</th>
<th>E (lb/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truck Unloading</td>
<td>150</td>
<td>55.44</td>
</tr>
<tr>
<td>Crushing</td>
<td>150</td>
<td>55.44</td>
</tr>
<tr>
<td>Screening</td>
<td>150</td>
<td>55.44</td>
</tr>
<tr>
<td>Excavators</td>
<td>150</td>
<td>55.44</td>
</tr>
</tbody>
</table>

Based on calculations, no control equipment is needed to comply with this limit.

Compliance Determination and Monitoring Requirements

There are no compliance requirements applicable to this source.
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 March 9, 2021.

The operation of this portable concrete crushing and screening plant shall be subject to the conditions of the attached proposed MSOP Renewal No. 777-43867-05410.

The staff recommends to the Commissioner that the MSOP Renewal be approved.

IDEM Contact

(a) If you have any questions regarding this permit, please contact Kelcy Tolliver, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 234-6679 or (800) 451-6027, and ask for Kelcy Tolliver or (317) 234-6679.

(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 Air Permits page on the Internet at: https://www.in.gov/idem/airpermit/2358.htm; and the Citizens' Guide to IDEM on the Internet at: https://www.in.gov/idem/6900.htm.
Company Name: Bunn Box Inc.
Address City IN Zip: 6301 Ardmore Ave., Fort Wayne, IN 46809
Permit Number: M777-43867-05410
Reviewer: Kelcy Tolliver

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

<table>
<thead>
<tr>
<th>Units</th>
<th>PM</th>
<th>PM$_{10}$</th>
<th>PM$_{2.5}$</th>
<th>SO2</th>
<th>NO$_x$</th>
<th>VOC</th>
<th>CO</th>
<th>Total HAP</th>
<th>Single HAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demolished Concrete Receiving and Handling</td>
<td>5.35</td>
<td>2.53</td>
<td>0.38</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Crushing</td>
<td>3.56</td>
<td>1.58</td>
<td>1.58</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Screening</td>
<td>16.43</td>
<td>5.72</td>
<td>5.72</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Stack Conveyor</td>
<td>1.97</td>
<td>0.72</td>
<td>0.72</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Conveying (loaders)</td>
<td>1.97</td>
<td>0.72</td>
<td>0.72</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Excavator</td>
<td>57.60</td>
<td>57.60</td>
<td>57.60</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Storage Piles</td>
<td>0.34</td>
<td>0.12</td>
<td>0.12</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Unpaved Roads</td>
<td>7.53</td>
<td>2.01</td>
<td>0.20</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total (Including Fugitives):</strong></td>
<td><strong>94.73</strong></td>
<td><strong>70.99</strong></td>
<td><strong>67.04</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

The crusher is powered by 300 HP diesel engine and screener is powered by 125 HP diesel engine.
These engines are considered portable nonroad engines, therefore, their PTEs are not counted toward permitting applicability.
Likewise, nonroad engines are not subject to NSPS and NESHAP.
Appendix A: Emission Calculations
Fugitive Dust from Concrete Crushing Operations
Material Processing and Handling

Company Name: Bunn Box Inc.
Address City IN Zip: 6301 Ardmore Ave., Fort Wayne, IN 46809
Permit Number: M777-43867-05410
Reviewer: Kelcy Tolliver

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.

\[
Ef = k*(0.0032)*[(U/5)^{1.3} / (M/2)^{1.4}]
\]
where:
- \(Ef\) = Emission factor (lb/ton)
- \(k\) (PM) = 0.74 = particle size multiplier (0.74 assumed for aerodynamic diameter <=100 um)
- \(k\) (PM10) = 0.35 = particle size multiplier (0.35 assumed for aerodynamic diameter <=10 um)
- \(k\) (PM2.5) = 0.053 = particle size multiplier (0.053 assumed for aerodynamic diameter <=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)

\[
\begin{align*}
Ef\text{ (PM)} &= 8.14E-03 \\
Ef\text{ (PM10)} &= 3.85E-03 \\
Ef\text{ (PM2.5)} &= 5.83E-04
\end{align*}
\]

Maximum Material Handling Throughput = 150 tons/hr

Demolished Concrete Receiving/Handling

<table>
<thead>
<tr>
<th>Type of Activity</th>
<th>Unlimited/Uncontrolled PTE of PM (tons/yr)</th>
<th>Unlimited/Uncontrolled PTE of PM10 (tons/yr)</th>
<th>Unlimited/Uncontrolled PTE of PM2.5 (tons/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truck unloading of materials into storage piles</td>
<td>0.35</td>
<td>2.53</td>
<td>0.38</td>
</tr>
<tr>
<td>Excavator process and drop concrete into portable crusher</td>
<td>See Excavator Tab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total (tons/yr)</td>
<td>5.35</td>
<td>2.53</td>
<td>0.38</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Operation</th>
<th>Uncontrolled Emission Factor for PM (lbs/ton)*</th>
<th>Uncontrolled Emission Factor for PM10/PM2.5 (lbs/ton)*</th>
<th>Uncontrolled Emission Factor for PM (lbs/hr)</th>
<th>Uncontrolled Emission Factor for PM10/PM2.5 (lbs/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crushing Operation</td>
<td>0.0054</td>
<td>0.0024</td>
<td>3.58</td>
<td>0.81</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.58</td>
<td></td>
</tr>
<tr>
<td>Screening Operation</td>
<td>0.025</td>
<td>0.0067</td>
<td>10.43</td>
<td>3.75</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5.72</td>
<td></td>
</tr>
<tr>
<td>Stack Conveyor</td>
<td>0.003</td>
<td>0.0011</td>
<td>1.87</td>
<td>0.45</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.72</td>
<td></td>
</tr>
<tr>
<td>Conveying Operation (2 loaders)</td>
<td>0.003</td>
<td>0.0011</td>
<td>1.87</td>
<td>0.45</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.72</td>
<td></td>
</tr>
</tbody>
</table>

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).
Appendix A: Emission Calculations

Excavator

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Emission Factor (tons/acre/month activity)</th>
<th>PM</th>
<th>PM10</th>
<th>PM2.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excavators</td>
<td>1.2</td>
<td>57.6</td>
<td>57.6</td>
<td>57.6</td>
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</tbody>
</table>

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 Box Inc.
Address City IN Zip: 6301 Ardmore Ave., Fort Wayne, IN 46809
Permit Number: M777-43867-05410
Reviewer: Kelcy Tolliver

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.

\[ Ef = 1.7 \left( \frac{s}{1.5} \right) \left( \frac{365-\text{p}}{235} \right) \left( \frac{\text{f}}{15} \right) \]

where
- \( Ef \) = emission factor (lb/acre/day)
- \( s \) = silt content (wt %)
- \( p \) = 125 days of rain greater than or equal to 0.01 inches
- \( f \) = 15% of wind greater than or equal to 12 mph

<table>
<thead>
<tr>
<th>Material</th>
<th>Silt Content (wt%\textsuperscript{a})</th>
<th>Emission Factor (lb/acre/day)</th>
<th>Maximum Anticipated Pile Size (acres)</th>
<th>Unlimited PTE of PM (tons/yr)</th>
<th>Unlimited PTE of PM10/PM2.5 (tons/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crushed Concrete</td>
<td>1.6</td>
<td>1.85</td>
<td>1.00</td>
<td>0.34</td>
<td>0.12</td>
</tr>
</tbody>
</table>

Totals 0.34 0.12

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%

\textsuperscript{a} Silt content values obtained from AP-42 Table 13.2.4-1 (dated 1/95)
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)

<table>
<thead>
<tr>
<th>Type</th>
<th>Maximum number of vehicles</th>
<th>Number of one-way trips per day per vehicle</th>
<th>Maximum trips per day (trip/day)</th>
<th>Maximum Weight Loaded (tons/trip)</th>
<th>Total Weight driven per day (tons/day)</th>
<th>Maximum one-way distance (feet/trip)</th>
<th>Maximum one-way distance (mi/trip)</th>
<th>Maximum one-way miles (miles/day)</th>
<th>Maximum one-way miles (miles/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle - Yard Feed Material Full (inbound, one-way trip)</td>
<td>10.0</td>
<td>1.0</td>
<td>10.0</td>
<td>20.0</td>
<td>200.0</td>
<td>975</td>
<td>1.7</td>
<td>669.9</td>
<td>5.3</td>
</tr>
<tr>
<td>Vehicle - Yard Feed Material Full (outbound, one-way trip)</td>
<td>10.0</td>
<td>1.0</td>
<td>10.0</td>
<td>20.0</td>
<td>200.0</td>
<td>975</td>
<td>1.7</td>
<td>669.9</td>
<td>5.3</td>
</tr>
<tr>
<td>Vehicle - Recycled Material Shipping (inbound, one-way trip)</td>
<td>10.0</td>
<td>1.0</td>
<td>10.0</td>
<td>20.0</td>
<td>200.0</td>
<td>975</td>
<td>1.7</td>
<td>669.9</td>
<td>5.3</td>
</tr>
<tr>
<td>Vehicle - Recycled Material Shipping (outbound, one-way trip)</td>
<td>10.0</td>
<td>1.0</td>
<td>10.0</td>
<td>20.0</td>
<td>200.0</td>
<td>975</td>
<td>1.7</td>
<td>669.9</td>
<td>5.3</td>
</tr>
</tbody>
</table>

Totals: 40.0 | 600.0 | 6.6 | 2419.5

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

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

where:
- $k = 4.9$ for PM, $1.5$ for PM$_{10}$, $0.15$ for PM$_{2.5}$ (PM$_{10}$ and PM$_{2.5}$ particle size multipliers from AP-42 Table 13.2.2-2 for Industrial Roads)
- $s = 6.0$ for PM, $6.0$ for PM$_{10}$, $6.0$ for PM$_{2.5}$ (mean % silt content of unpaved roads from AP-42 Table 13.2.2-1 Iron and Steel Production)
- $a = 0.7$ for PM, 0.9 for PM$_{10}$, 0.9 for PM$_{2.5}$ (constant from AP-42 Table 13.2.2-2 for Industrial Roads)
- $W = 15.0$ tons per trip (average vehicle weight provided by source)
- $b = 0.45$ for PM, 0.45 for PM$_{10}$, 0.45 for PM$_{2.5}$ (constant from AP-42 Table 13.2.2-2 for Industrial Roads)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E \times (365 - P)/365$ (Equation 2 from AP-42 13.2.2)

where $P = 125$ days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

<table>
<thead>
<tr>
<th>Process</th>
<th>Unmitigated PTE of PM (tons/yr)</th>
<th>Unmitigated PTE of PM$_{10}$ (tons/yr)</th>
<th>Unmitigated PTE of PM$_{2.5}$ (tons/yr)</th>
<th>Mitigated PTE of PM (tons/yr)</th>
<th>Mitigated PTE of PM$_{10}$ (tons/yr)</th>
<th>Mitigated PTE of PM$_{2.5}$ (tons/yr)</th>
<th>Controlled PTE of PM (tons/yr)</th>
<th>Controlled PTE of PM$_{10}$ (tons/yr)</th>
<th>Controlled PTE of PM$_{2.5}$ (tons/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle - Yard Feed Material Full (inbound, one-way trip)</td>
<td>1.88</td>
<td>0.50</td>
<td>0.05</td>
<td>1.24</td>
<td>0.33</td>
<td>0.03</td>
<td>1.24</td>
<td>0.33</td>
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<tr>
<td>Vehicle - Yard Feed Material Full (outbound, one-way trip)</td>
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<td>0.50</td>
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<td>0.03</td>
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<td>1.24</td>
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<td>0.03</td>
<td>1.24</td>
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<tr>
<td>Vehicle - Recycled Material Shipping (outbound, one-way trip)</td>
<td>1.88</td>
<td>0.50</td>
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<td>1.24</td>
<td>0.33</td>
<td>0.03</td>
<td>1.24</td>
<td>0.33</td>
<td>0.03</td>
</tr>
</tbody>
</table>

Totals: 7.53 | 2.01 | 0.20 | 4.95 | 1.32 | 0.13

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
- Average Vehicle Weight Per Trip (ton/trip) = Total Weight driven per day (ton/day) / Maximum trips per day (trip/day)
- Average Miles Per Trip (miles/trip) = Maximum one-way distance (mi/trip) / Maximum trips per year (trip/day)
- Unmitigated PTE (tons/yr) = Maximum one-way miles (mi/yr) * Unmitigated Emission Factor (lb/mile) * (ton2000 lbs)
- Mitigated PTE (tons/yr) = Mitigated Emission Factor (lb/mile) * (ton2000 lbs)
- Controlled PTE (tons/yr) = (1 - Dust Control Efficiency) * Mitigated PTE (tons/yr)

Abbreviations

- PM = Particulate Matter
- PM$_{10}$ = Particulate Matter (<10 um)
- PM$_{2.5}$ = Particulate Matter (<2.5 um)
- PTE = Potential to Emit
May 11, 2021

Bart Bunn
Bunn Box, Inc.
3204 Lower Huntington Rd
Fort Wayne, IN 46809

Re: Public Notice
Bunn Box, Inc.
Permit Level: MSOP Renewal
Permit Number: 777-43867-05410

Dear Mr. Bunn:

Enclosed is the Notice of 30-Day Period for Public Comment for your draft air permit.

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. The Notice of 30-Day Period for Public Comment has also been sent to the OAQ Permits Branch Interested Parties List and, if applicable, your Consultant/Agent and/or Responsible Official/Authorized Individual.

The preliminary findings, including the draft permit, technical support document, emission calculations, and other supporting documents, are available electronically at:

IDEM’s online searchable database: [http://www.in.gov/apps/idem/caats/](http://www.in.gov/apps/idem/caats/) . Choose Search Option by Permit Number, then enter permit 43867

and

IDEM’s Virtual File Cabinet (VFC): [https://www.IN.gov/idem](https://www.IN.gov/idem). Enter VFC in the search box, then search for permit documents using a variety of criteria, such as Program area, date range, permit #, Agency Interest Number, or Source ID.

The Public Notice period will begin the date the Notice is published on the IDEM Official Public Notice website. Publication has been requested and is expected within 2-3 business days. You may check the exact Public Notice begins and ends date here: [https://www.in.gov/idem/public-notices/](https://www.in.gov/idem/public-notices/)

Please note that as of April 17, 2019, IDEM is no longer required to publish the notice in a newspaper.

OAQ has submitted the draft permit package to the Allen County Public Library, 900 Library Plaza in Fort Wayne, IN. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.
Please review the draft permit documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Kelcy Tolliver, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 4-6679 or dial (317) 234-6679.

Sincerely,

Theresa Weaver

Theresa Weaver
Permits Branch
Office of Air Quality

Enclosures

PN Applicant Cover Letter access via website 8/10/2020
May 11, 2021

To: Allen County Public Library

From: Jenny Acker, Branch Chief
Permits Branch
Office of Air Quality

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

Applicant Name: Bunn Box, Inc.
Permit Number: 777-43867-05410

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

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

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

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

If you have any questions concerning this public review process, please contact Joanne Smiddle-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.
Notice of Public Comment

May 11, 2021
Bunn Box, Inc.
777-43867-05410

Dear Concerned Citizen(s):

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

Enclosed is a Notice of Public Comment, which has posted on IDEM’s Public Notice website at https://www.in.gov/idem/public-notices/.

The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

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

Please Note: If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Joanne Smiddie-Brush with the Air Permits Administration Section at 1-800-451-6027, ext. 3-0185 or via e-mail at JBRUSH@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.
# Mail Code 61-53

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<td></td>
<td>Indiana Department of Environmental Management</td>
<td>Office of Air Quality – Permits Branch</td>
<td>100 N. Senate Indianapolis, IN 46204</td>
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<td>Bart Bunn, Bunn Box Incorporated 3204 Lower Huntington Rd Fort Wayne IN 46809 (Source: CAATS)</td>
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<td>Allen County Public Library - Main Branch 900 Library Plaza, PO Box 2270 Fort Wayne IN 46802 (Library)</td>
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<td>Fort Wayne City Council and Mayors Office 200 E Berry Street Ste 120 Fort Wayne IN 46802 (Local Official)</td>
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<td>Mr. Jeff Coburn Plumbers &amp; Steamfitters, Local 166 2930 W Ludwig Rd Fort Wayne IN 46818-1328 (Affected Party)</td>
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<td>Allen Co. Board of Commissioners 200 E Berry Street Ste 410 Fort Wayne IN 46802 (Local Official)</td>
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<td>Fort Wayne-Alien County Health Department 200 E Berry St Suite 360 Fort Wayne IN 46802 (Health Department)</td>
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<td>Lisa Green, The Journal Gazette 600 W Main St Fort Wayne IN 46802 (Affected Party)</td>
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