



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: March 5, 2013

RE: Sherman-Dixie Concrete Industries, Inc. / 163 - 32023 - 05131

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

Notice of Decision: Approval - Effective Immediately

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

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

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

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

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

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

Enclosures
FNPER.dot12/03/07



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**Minor Source Operating Permit
OFFICE OF AIR QUALITY**

**Sherman-Dixie Concrete Industries, Inc.
1213 Stanley Avenue
Evansville, Indiana 47711**

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

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

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

Operation Permit No.: M163-32023-05131	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: March 5, 2013 Expiration Date: March 5, 2018

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary reinforced concrete pipe manufacturing facility.

Source Address:	1213 Stanley Avenue, Evansville, Indiana 47711
General Source Phone Number:	812-774-4021
SIC Code:	3272 (Concrete Products, Except Block and Brick)
County Location:	Vanderburgh
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary

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

- (a) One reinforced concrete pipe manufacturing operation, constructed in 1991, with a maximum capacity of 10 batches per hour, consisting of the following equipment:
- (1) One (1) kiln, identified as Kiln #1, with a maximum capacity of 73.3 tons of concrete products per day, using no control.
 - (2) One (1) kiln, identified as Kiln #2, with a maximum capacity of 122.2 tons of concrete products per day, heated by the North Boiler which has a maximum heat input capacity of 1.25 MMBtu, and using no control.
 - (3) One (1) kiln, identified as Kiln #3, with a maximum capacity of 122.2 tons of concrete products per day, heated by the South Boiler which has a maximum heat input capacity of 1.25 MMBtu, and using no control.
 - (4) Sand loading via dump truck to one outside sand storage bin, identified as EU-1, with a maximum storage capacity of 210 tons, and a maximum throughput rate of 26.68 tons of sand per hour, no control.
 - (5) Aggregate loading via dump truck to one outside aggregate storage bin, identified as EU-2, with a maximum storage capacity of 210 tons, and a maximum throughput rate of 21.55 tons of aggregate per hour, using no control.
 - (6) Sand transfer via front-end loader to an outdoor transfer hopper. Sand is transferred via belt conveyor to two (2) indoor sand storage bin, identified as EU-3a and EU-3b, with a maximum storage capacity of 42 tons each, and a maximum throughput rate of 26.68 tons of sand per hour (each), using no control.
 - (7) Aggregate transfer via front-end loader to an outdoor transfer hopper. Aggregate is transferred via belt conveyor to one indoor aggregate storage bin, identified as EU-4, with a maximum storage capacity of 42 tons, and a maximum throughput rate of 21.55 tons aggregate per hour, using no control.

- (8) Cement unloading via pneumatic tanker to one Portland cement silo, identified as EU-5, with a maximum storage capacity of 59.1 tons, and a maximum throughput rate of 7.61 tons of cement per hour, equipped with a baghouse, exhausting to the atmosphere.
- (9) Fly ash unloading via pneumatic tanker to one fly ash silo, identified as EU-6, with a maximum storage capacity of 32.4 tons, and a maximum throughput rate of 1.91 tons of fly ash per hour, equipped with a baghouse, exhausting to the atmosphere.
- (10) Sand/aggregate unloading via gravity feed from hopper to conveyer belt to one sand/aggregate weigh belt, identified as EU-7, with a maximum storage capacity of 4 tons, and a maximum throughput rate of 48.23 tons of sand and aggregate per hour, using no control.
- (11) Cement/fly ash unloading via screw conveyor feed from silos to one cement/fly ash weigh hopper, identified as EU-8, with a maximum storage capacity of 0.6 tons, and a maximum throughput rate of 9.52 tons cement and fly ash per hour, using no control.
- (12) Mixer, identified as EU-9, with a maximum capacity of 4 tons and a maximum throughput rate of 60.36 tons of concrete per hour, loading of sand/aggregate via weight belt and cement/fly ash via gravity, using no control.
- (13) One (1) mold form release operation, identified as MR-1, with a maximum throughput rate of 60.36 tons of concrete per hour, using Grifcote FR-50 VOC mold release agent, using no control.

NOTE: The source makes a variety of sizes and shapes of reinforced concrete pipe and does not specifically measure how much mold release is used on each pipe. The mold release agent is applied by a hand-operated sprayer or by brush. The scenario listed above is based on a worse-case situation using a large mold.

- (b) Paved and unpaved roads

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, M163-32023-05131, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

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

The Permittee shall implement the PMPs.

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

- (a) All terms and conditions of permits established prior to M163-32023-05131 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,.
- (b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

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

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 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.2 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 thirty percent (30%) 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.3 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.4 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.5 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.6 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.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

All required notifications shall be submitted to:

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

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

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to

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

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

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

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

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

no later than thirty-five (35) days prior to the intended test date.

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

Corrective Actions and Response Steps

C.12 Response to Excursions or Exceedances

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

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

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

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

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

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

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

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

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

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

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

- (a) Reports required by conditions in Section D of this permit shall be submitted to:

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

- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One reinforced concrete pipe manufacturing operation, constructed in 1991, with a maximum capacity of 10 batches per hour, consisting of the following equipment:
 - (1) One (1) kiln, identified as Kiln #1, with a maximum capacity of 73.3 tons of concrete products per day, using no control.
 - (2) One (1) kiln, identified as Kiln #2, with a maximum capacity of 122.2 tons of concrete products per day, heated by the North Boiler which has a maximum heat input capacity of 1.25 MMBtu, using no control.
 - (3) One (1) kiln, identified as Kiln #3, with a maximum capacity of 122.2 tons of concrete products per day, heated by the South Boiler which has a maximum heat input capacity of 1.25 MMBtu, using no control.
 - (4) Sand loading via dump truck to one outside sand storage bin, identified as EU-1, with a maximum storage capacity of 210 tons, and a maximum throughput rate of 26.68 tons of sand per hour, using no control.
 - (5) Aggregate loading via dump truck to one outside aggregate storage bin, identified as EU-2, with a maximum storage capacity of 210 tons, and a maximum throughput rate of 21.55 tons of aggregate per hour, using no control.
 - (6) Sand transfer via front-end loader to an outdoor transfer hopper. Sand is transferred via belt conveyor to two (2) indoor sand storage bin, identified as EU-3a and EU-3b, with a maximum storage capacity of 42 tons each, and a maximum throughput rate of 26.68 tons of sand per hour (each), using no control.
 - (7) Aggregate transfer via front-end loader to an outdoor transfer hopper. Aggregate is transferred via belt conveyor to one indoor aggregate storage bin, identified as EU-4, with a maximum storage capacity of 42 tons, and a maximum throughput rate of 21.55 tons aggregate per hour, using no control.
 - (8) Cement unloading via pneumatic tanker to one Portland cement silo, identified as EU-5, with a maximum storage capacity of 59.1 tons, and a maximum throughput rate of 7.61 tons of cement per hour, equipped with a baghouse, exhausting to the atmosphere.
 - (9) Fly ash unloading via pneumatic tanker to one fly ash silo, identified as EU-6, with a maximum storage capacity of 32.4 tons, and a maximum throughput rate of 1.91 tons of fly ash per hour, equipped with a baghouse, exhausting to the atmosphere.
 - (10) Sand/aggregate unloading via gravity feed from hopper to conveyer belt to one sand/aggregate weigh belt, identified as EU-7, with a maximum storage capacity of 4 tons, and a maximum throughput rate of 48.23 tons of sand and aggregate per hour, using no control.
 - (11) Cement/fly ash unloading via screw conveyor feed from silos to one cement/fly ash weigh hopper, identified as EU-8, with a maximum storage capacity of 0.6 tons, and a maximum throughput rate of 9.52 tons cement and fly ash per hour, using no control.
 - (12) Mixer, identified as EU-9, with a maximum capacity of 4 tons and a maximum throughput rate of 60.36 tons of concrete per hour, loading of sand/aggregate via weight belt and cement/fly ash via gravity, using no control.

- (13) One (1) mold form release operation, identified as MR-1, with a maximum throughput rate of 60.36 tons of concrete per hour, using Grifcote FR-50 VOC mold release agent, using no control.

NOTE: The source makes a variety of sizes and shapes of reinforced concrete pipe and does not specifically measure how much mold release is used on each pipe. The mold release agent is applied by a hand-operated sprayer or by brush. The scenario listed above is based on a worse-case situation using a large mold.

- (b) Paved and Unpaved Roads

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

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

D.1.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate (PM) emissions from the EU-1, EU-2, EU-3a, EU-3b EU-4, EU-5, EU-6, EU-7, EU-8, EU-9 , MR-1 paved roads and unpaved roads of the reinforced concrete pipe manufacturing operation shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

D.1.2 Particulate [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating), the particulate emissions from the North Boiler and the South Boiler shall in no case exceed 0.6 pounds of particulate matter per million British thermal units heat input

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

A Preventive Maintenance Plan is required for these facilities and their control device. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

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

D.1.4 Particulate Control

In order to comply with Condition D.1.1, the baghouses for particulate control for the Portland cement silo (EU5) and the fly ash silo (EU6) shall be in operation at all times that the these silos are in operation.

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

D1.5 Visible Emissions Notations

- (a) Daily visible emission notations of the baghouse stack exhausts shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) Section C - Response to Excursions or Exceedances, of this permit, shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.6 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the cement silo and the flyash silo. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

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

D.1.7 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.5, the Permittee shall maintain records of daily visible emission notations of the Portland cement silo (EU5) and the fly ash silo (EU6) exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the process did not operate that day).
- (b) To document the compliance status with Condition D.1.6, the Permittee shall maintain records of the results of the inspections required under Condition D.1.6.
- (c) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

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

**MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION**

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

Company Name:	Sherman-Dixie Concrete Industries, Inc.
Address:	1213 Stanley Avenue
City:	Evansville, Indiana 47711
Phone #:	812-774-4021
MSOP #:	M163-32023-05131

I hereby certify that Sherman-Dixie Concrete Industries, Inc. is: still in operation.

no longer in operation.

I hereby certify that Sherman-Dixie Concrete Industries, Inc. is: in compliance with the requirements of MSOP M163-32023-05131.

not in compliance with the requirements of MSOP M163-32023-05131.

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

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

Noncompliance:

MALFUNCTION REPORT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE AND ENFORCEMENT BRANCH FAX NUMBER: (317) 233-6865

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

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

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

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

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

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

DATE/TIME MALFUNCTION STARTED: ____/____/20____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE ____/____/20____ _____ AM/PM

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

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

MEASURES TAKEN TO MINIMIZE EMISSIONS: _____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES: _____

CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: _____

CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: _____

INTERIM CONTROL MEASURES: (IF APPLICABLE) _____

MALFUNCTION REPORTED BY: _____ TITLE: _____
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: _____ DATE: _____ TIME: _____

*SEE PAGE 2

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

326 IAC 1-6-1 Applicability of rule

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

326 IAC 1-2-39 "Malfunction" definition

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

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

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



Attachment A
Sherman-Dixie Concrete Industries, Inc.
Concrete Pipe Production Plant
Evansville, IN

Fugitive Dust Control Plan
MSOP No.: 163-32023-05131

August 22, 2012



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I. Name and Address of Source

Sherman-Dixie Concrete Industries, Inc.,
1213 Stanley Avenue,
Evansville, IN 47711

II. Name and Address of Owner

Sherman-Dixie Concrete Industries, Inc.,
200 42nd Avenue North,
Nashville, TN 37209

III. Potential Fugitive Dust Sources and Control Measures

a) Transporting Sand and Aggregate

Sand and aggregate are transported to the plant by dump truck. Fugitive dust emissions from the transportation of sand and aggregate (limestone) will be controlled by one or more of the following methods:

- 1) Contracting transportation to companies that equip their vehicles with a tarp and ensuring materials remain covered until unloaded;
- 2) Ensuring dump gates are secured and tight to prevent leakage;
- 3) Applying water to the sand or aggregate as needed.

b) Unloading Sand and Aggregate to Storage Piles

Fugitive dust emissions from the unloading of sand and aggregate will be controlled by one or more of the following methods:

- 1) Limiting the free-fall distance of the material;
- 2) Limiting the rate of discharge;
- 3) Applying water to the sand and aggregate as needed.

c) Sand and Aggregate Storage Piles

Sand and aggregate are stored on the ground within bins made of moveable & stackable concrete barriers. The bins enclose the storage piles on three sides. The top and one side are open to allow dump trucks to unload their contents. There are two bins, one for sand the other for aggregate. Fugitive dust emissions from storage piles are controlled by one or more of the following methods:

- 1) Ensuring that the top of sand and aggregate storage piles remain below the top of the concrete walls;
- 2) Ensuring that the storage piles do not project beyond the end of the concrete walls;
- 3) Applying water to the sand and aggregate as needed.

d) Sand and Aggregate Transfer from Storage Pile to Indoor Storage

A front-end loader is used to transfer sand and aggregate from the storage pile to a four-sided feed hopper. The sand and aggregate storage piles are in close proximity to the feed hopper. A belt conveyor transports the sand and aggregate from the hopper to bins located in the plant. Fugitive dust emissions from transferring the sand and aggregate will be controlled by one or more of the following methods:

- 1) The bucket of the front-end loader will be kept as low as possible while dumping sand and aggregate into the feed hopper;
- 2) Applying water to the sand and aggregate as needed.

e) Cement Silo Filling

Cement is delivered to the plant by tanker. The tanker is completely enclosed so no fugitive dust emissions from the tanker are possible. Cement is pneumatically conveyed from the tanker to the silo. Fugitive dust emissions from cement silo filling will be controlled by one or more of the following:

- 1) The cement silo is equipped with a bag house which contains fabric filters. The bag house and filters will be maintained to ensure functionality;
- 2) The fill hose will be properly secured to the tanker and silo fill pipe;
- 3) The pneumatic pressure will be kept as low as possible to prevent the blow-off valve from opening;
- 4) The cement tanker driver will monitor the filling process. If there are any visible dust emissions filling will be stopped immediately and the Plant manager notified;
- 5) Minor spills occurring when the fill hose is disconnected will be cleaned immediately.

f) Fly Ash Silo Filling

Fly Ash is delivered to the plant by tanker. The tanker is completely enclosed so no fugitive dust emissions from the tanker are possible. Fly Ash is pneumatically conveyed from the tanker to the silo. Fugitive dust emissions from fly ash silo filling will be controlled by one or more of the following:

- 1) The fly ash silo is equipped with a bag house which contains fabric filters. The bag house and filters will be maintained to ensure functionality;
- 2) The fill hose will be properly secured to the tanker and silo fill pipe;
- 3) The pneumatic pressure will be kept as low as possible to prevent the blow-off valve from opening;
- 4) The fly ash tanker driver will monitor the filling process. If there are any visible dust emissions filling will be stopped immediately and the Plant manager notified;
- 5) Minor spills occurring when the fill hose is disconnected will be cleaned immediately.

g) Sand and Aggregate Transfer to Concrete Mixer

Sand and aggregate are transferred to the concrete mixer by a belt conveyor. The sand & aggregate bins, belt conveyor and concrete mixer are contained within the pipe production plant. No fugitive emissions from the plant are expected. Fugitive dust emissions from the mixer into the pipe production plant are controlled by one or more of the following methods:

- 1) Access doors in the mixer will be closed while the mixer is in operation. Seals on doors will be maintained to ensure functionality.

h) Cement and Fly Ash Transfer to Cement Weigh Hopper

Cement and fly ash are transferred from the silos by screw conveyors to a weigh hopper. The screw conveyors and weigh hopper are completely enclosed and are contained within the pipe production plant. No fugitive dust emissions from the screw conveyors or cement weigh hopper are possible under normal operating conditions.

i) Cement and Fly Ash Transfer to Concrete Mixer

The cement weigh hopper is located above the mixer and connected to the mixer by a pipe. Cement and fly ash are conveyed through the pipe to the mixer by gravity. Control of fugitive emissions from the mixer will be controlled by one or more of the following methods:

- 1) Access doors in the mixer will be closed while the mixer is in operation. Seals on doors will be maintained to ensure functionality;
- 2) Access doors will be closed when cement and fly ash are discharged from the weigh hopper;
- 3) The mixer is vented to the cement weigh hopper by a flexible hose creating a closed loop which prevents pressure build up in the mixer when cement and fly ash are discharged. The hose and connections will be maintained to ensure functionality.

j) Paved Roads, Unpaved Roads and Parking Lots

Fugitive dust emissions from the paved & unpaved roads and parking areas will be controlled by one or more of the following methods:

- 1) A 10 mph speed limit will be maintained on the yard;
- 2) Paved roads and parking areas will be cleaned by a vacuum sweeper on an as needed basis;
- 3) Paved areas which are not accessible by a vacuum sweeper will be hand swept;
- 4) Paved areas may be flushed on an as needed basis;
- 5) Water will be applied to unpaved areas on an as needed basis.

k) Pipe Production Plant

The pipe production plant houses a variety of equipment that may generate fugitive dust emissions described above. Fugitive dust emissions from the plant will be controlled by one or more of the following methods:

- 1) Keeping doors and windows closed when possible. Performing building maintenance as needed;
- 2) Maintaining and operating process equipment contained within the building in a manner that will minimize the amount of dust within the building;
- 3) Good housekeeping practices.

l) Solid Waste (Sand, Aggregate, Concrete) Storage Pile

Solid waste consisting of sand, aggregate or unconsolidated concrete is stored on the ground in bin made of moveable and stackable concrete barriers. The bin encloses the solid waste on three sides. The bin is in close proximity to the pipe production plant. Fugitive



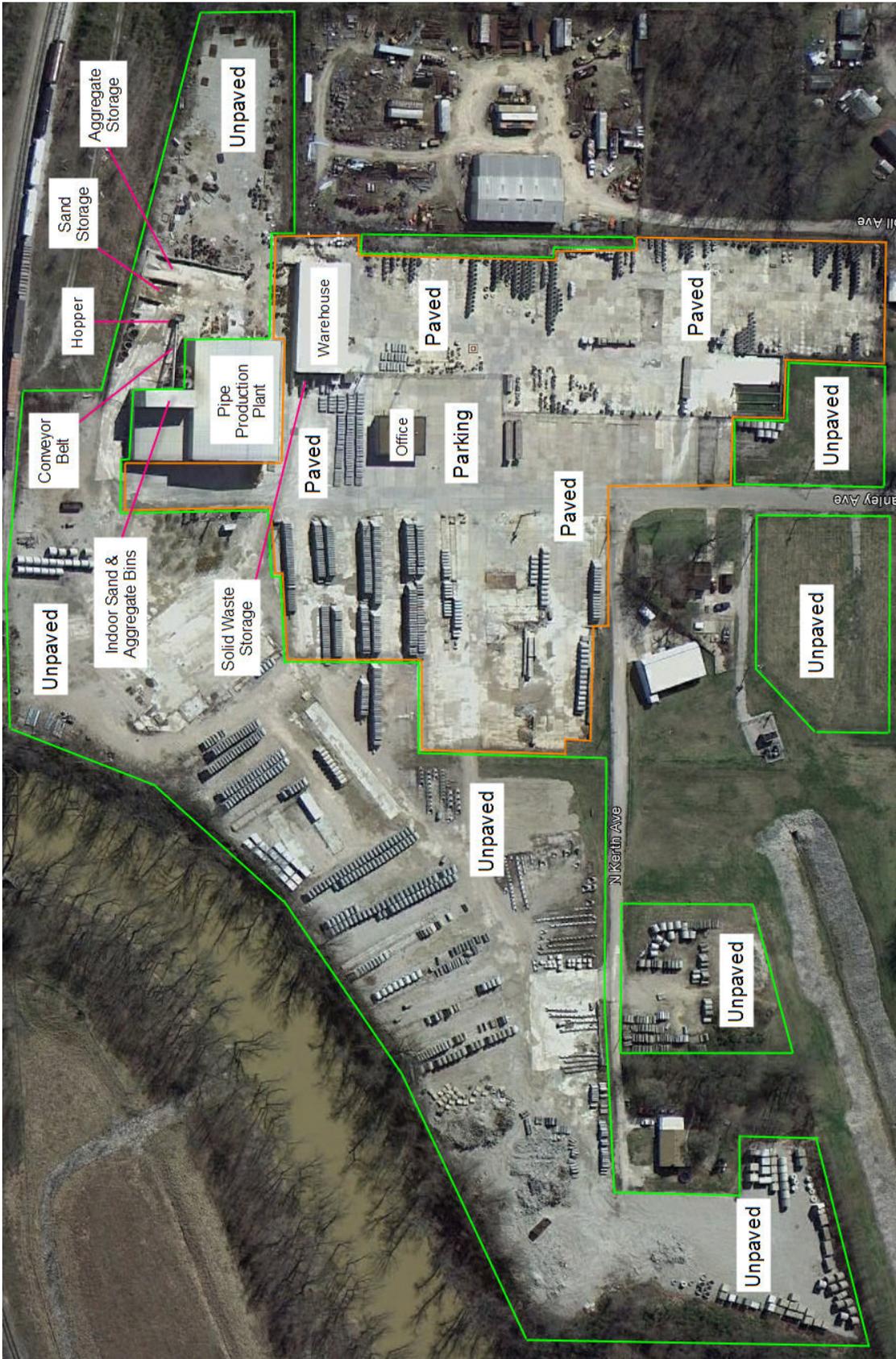
emissions from the transportation and storage of the solid waste are controlled by one or more of the following:

- 1) Minimizing the free fall distance of the waste material placed in storage;
- 2) Wet suppression of the waste material being transported or stored;
- 3) Minimizing free fall distance when loading waste hauling truck;
- 4) Contracting waste hauling to companies that equip their trucks with a tarp and ensuring the tarp is in place after the truck is loaded.



Appendix A

Site Map



Site Map – Sherman- Dixie Concrete Industries, Inc. Evansville, IN

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

Technical Support Document (TSD) for a SSOA Transitioning to a Minor
Source Operating Permit (MSOP)

Source Description and Location

Source Name: Sherman Dixie Concrete Industries, Inc.
Source Location: 1213 Stanley Avenue, Evansville, IN 47711
County: Vanderburgh
SIC Code: 3272 (Concrete Products, Except Block and Brick)
Operation Permit No.: 163-32023-05131
Permit Reviewer: Deborah Cole

On June 15, 2012, the Office of Air Quality (OAQ) received an application from Sherman Dixie Concrete Industries, Inc. related to the continued operation of a reinforced concrete pipe manufacturing facility and the transition from a SSOA to an MSOP.

Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following:

- (a) SSOA No. 163-6838-05131, issued on November 22, 1996.
- (b) Administrative Amendment No. 163-16447-05131, issued on February 28, 2005.

Due to this application, the source is transitioning from a SSOA to a MSOP.

County Attainment Status

The source is located in Vanderburgh County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective January 30, 2006, for the Evansville area, including Vanderburgh County, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.

¹Attainment effective October 18, 2000, for the 1-hour ozone standard for the Evansville area, including Vanderburgh County, and is a maintenance area for the 1-hour ozone National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X*. The 1-hour designation was revoked effective June 15, 2005. Unclassifiable or attainment effective October 27, 2011, for PM2.5.

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

PM_{2.5}

Vanderburgh County has been classified as attainment for PM_{2.5}. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions. These rules became effective on July 15, 2008. On May 4, 2011 the air pollution control board issued an emergency rule establishing the direct PM_{2.5} significant level at ten (10) tons per year. This rule became effective, June 28, 2011. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

(c) Other Criteria Pollutants

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

Fugitive Emissions

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

Background and Description of Permitted Emission Units

The Office of Air Quality (OAQ) has reviewed an application, submitted by Sherman Dixie Concrete Industries on June 15, 2012, relating to the transition of a source from an existing SSOA to an MSOP. The source previously had a batch concrete plant and a reinforced concrete production plant located on the same property. Evansville EPA issued the source a SSOA on November 22, 1996, combining the batch and production plants in one permit. After an environmental audit done by the source in 2012, the source determined that since only the reinforced concrete pipe manufacturing plant remains on the site, the source needed to transition to an MSOP. Additionally, since this plant manufactures reinforced concrete piping, the correct SIC code for the source is 3272. In addition, the SSOA issued in 1996 covers the batch concrete plant only.

The source consists of the following permitted emission units:

- (a) One reinforced concrete pipe manufacturing operation, constructed in 1991, with a maximum capacity of 10 batches per hour, consisting of the following equipment:
- (1) One (1) kiln, identified as Kiln #1, with a maximum capacity of 73.3 tons of concrete products per day, using no control.

Note: No boiler is associated with Kiln #1.
 - (2) One (1) kiln, identified as Kiln #2, with a maximum capacity of 122.2 tons of concrete products per day, heated by the North Boiler which has a maximum heat input capacity of 1.25 MMBtu, and using no control.
 - (3) One (1) kiln, identified as Kiln #3, with a maximum capacity of 122.2 tons of concrete products per day, heated by the South Boiler which has a maximum heat input capacity of 1.25 MMBtu, and using no control.

- (4) Sand loading via dump truck to one outside sand storage bin, identified as EU-1, with a maximum storage capacity of 210 tons, and a maximum throughput rate of 26.68 tons of sand per hour, no control.
- (5) Aggregate loading via dump truck to one outside aggregate storage bin, identified as EU-2, with a maximum storage capacity of 210 tons, and a maximum throughput rate of 21.55 tons of aggregate per hour, using no control.
- (6) Sand transfer via front-end loader to an outdoor transfer hopper. Sand is transferred via belt conveyor to two (2) indoor sand storage bin, identified as EU-3a and EU-3b, with a maximum storage capacity of 42 tons each, and a maximum throughput rate of 26.68 tons of sand per hour (each), using no control.
- (7) Aggregate transfer via front-end loader to an outdoor transfer hopper. Aggregate is transferred via belt conveyor to one indoor aggregate storage bin, identified as EU-4, with a maximum storage capacity of 42 tons, and a maximum throughput rate of 21.55 tons aggregate per hour, using no control.
- (8) Cement unloading via pneumatic tanker to one Portland cement silo, identified as EU-5, with a maximum storage capacity of 59.1 tons, and a maximum throughput rate of 7.61 tons of cement per hour, equipped with a baghouse, exhausting to the atmosphere.
- (9) Fly ash unloading via pneumatic tanker to one fly ash silo, identified as EU-6, with a maximum storage capacity of 32.4 tons, and a maximum throughput rate of 1.91 tons of fly ash per hour, equipped with a baghouse, exhausting to the atmosphere.
- (10) Sand/aggregate unloading via gravity feed from hopper to conveyer belt to one sand/aggregate weigh belt, identified as EU-7, with a maximum storage capacity of 4 tons, and a maximum throughput rate of 48.23 tons of sand and aggregate per hour, using no control.
- (11) Cement/fly ash unloading via screw conveyor feed from silos to one cement/fly ash weigh hopper, identified as EU-8, with a maximum storage capacity of 0.6 tons, and a maximum throughput rate of 9.52 tons cement and fly ash per hour, using no control.
- (12) Mixer, identified as EU-9, with a maximum capacity of 4 tons and a maximum throughput rate of 60.36 tons of concrete per hour, loading of sand/aggregate via weight belt and cement/fly ash via gravity, using no control.
- (13) One (1) mold form release operation, identified as MR-1, with a maximum throughput rate of 60.36 tons of concrete per hour, using Grifcote FR-50 VOC mold release agent, using no control.

NOTE: The source makes a variety of sizes and shapes of reinforced concrete pipe and does not specifically measure how much mold release is used on each pipe. The mold release agent is applied by a hand-operated sprayer or by brush. The scenario listed above is based on a worse-case situation using a large mold.

- (b) Paved and unpaved roads

Enforcement Issues

There are no pending enforcement actions related to this source.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – MSOP

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

Pollutant	Potential To Emit (tons/year)
PM	119.73
PM10 ⁽¹⁾	30.10
PM2.5	6.52
SO ₂	0.01
NO _x	1.07
VOC	3.91
CO	0.90
GHGs as CO ₂ e	1,296.08
HAPs	0.02

- (1) Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".

Criteria Pollutants (PM10, PM2.5, SO2, NOx, VOC, and CO)

- (a) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of PM10 is less than one hundred (100) tons per year, but greater than or equal to twenty-five (25) tons per year. The PTE of all other regulated criteria pollutants are less than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. A Minor Source Operating Permit (MSOP) will be issued.

Hazardous Air Pollutants

- (b) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of any single HAP is less than ten (10) tons per year and the PTE of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.

Greenhouse gases (GHGs) as CO₂e

- (c) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) greenhouse gases (GHGs) is less than the Title V subject to regulation threshold of one hundred thousand (100,000) tons of CO₂ equivalent emissions (CO₂e) per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) The requirements of the New Source Performance Standard for Small Industrial-Commercial-

Institutional Steam Generating Units, 40 CFR 60, Subpart Dc (326 IAC 12), are not included in the permit, since the boiler has a heat input capacity less than 10 MMBtu/hr.

- (b) The requirements of the New Source Performance Standard for Portland Cement Plants, 40 CFR 60, Subpart F (326 IAC 12), are not included in the permit, since this source is not a Portland cement plant as defined in 40 CFR 60.61(a).
- (c) The requirements of the New Source Performance Standard for Nonmetallic Mineral Processing Plants, 40 CFR 60, Subpart OOO (326 IAC 12), are not included in the permit, since this source is not a nonmetallic mineral processing plant as defined in 40 CFR 60.671.
- (d) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (a) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) from the Portland Cement Manufacturing Industry, 40 CFR 63.1340, Subpart LLL (326 IAC 20-27), are not included in the permit, since this source is not a Portland cement plant as defined in 40 CFR 63.1341.
- (b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Surface Coating of Miscellaneous Metal Parts and Products, 40 CFR 63.3880, Subpart MMMM (326 IAC 20-80), are not included in the permit, since this source is not a major source of HAPs.
- (c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Industrial, Commercial and Institutional Boilers Area Sources, 40 CFR 61, Subpart JJJJJ are not included in this permit for the two natural gas-fired boilers identified as North Boiler and South Boiler because gas fired boilers, as defined in 40 CFR 83.11237, are specifically exempted from this rule as indicated in 40 CFR 63.11195(e).
- (d) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the permit.

Compliance Assurance Monitoring (CAM)

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

State Rule Applicability Determination

The following state rules are applicable to the source:

- (a) 326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))
MSOP applicability is discussed under the Permit Level Determination – MSOP section above.
- (b) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))
This source is not a major stationary source, under PSD (326 IAC 2-2), because the potential to emit of all attainment regulated criteria pollutants before control are less than 250 tons per year, the potential to emit greenhouse gases (GHGs) is less than 100,000 tons of CO₂e per year, and this source is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1). Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The potential to emit of any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-4.1.
- (d) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
- (e) 326 IAC 5-1 (Opacity Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
- (1) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (g) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
The source is subject to the requirements of 326 IAC 6-4, because the the concrete batching operation has the potential to emit fugitive particulate emissions. Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.
- (h) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
The source is subject to the requirements of 326 IAC 6-5, because the concrete batching operation has potential fugitive particulate emissions greater than 25 tons per year. Pursuant to 326 IAC 6-5, fugitive particulate matter emissions shall be controlled according to the Fugitive Dust Control Plan, submitted on September 5, 2012, which is included as Attachment A to the permit.

State Rule Applicability Determination - Individual Facilities

Reinforced Concrete Pipe Manufacturing Operation,

326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County)

The reinforced concrete pipe manufacturing operation has the potential to emit greater than one hundred (100) tons per year of particulate and is not otherwise limited by 326 IAC 6.5-1-2 (b) through (g) or 326 IAC 6.5-6. Also, the source is not specifically listed in 326 IAC 6.5-8-1. Therefore, the requirements of 326 IAC 6.5-1-2(a) apply to the reinforced concrete pipe manufacturing operation.

- (1) One (1) kiln, identified as Kiln #1, with a maximum capacity of 73.3 tons of concrete products per day, using no control.
- (2) One (1) kiln, identified as Kiln #2, with a maximum capacity of 122.2 tons of concrete products per day, heated by the North Boiler which has a maximum heat input capacity of 1.25 MMBtu, and using no control.

- (3) One (1) kiln, identified as Kiln #3, with a maximum capacity of 122.2 tons of concrete products per day, heated by the South Boiler which has a maximum heat input capacity of 1.25 MMBtu, and using no control.
- (4) Sand loading via dump truck to one outside sand storage bin, identified as EU-1, with a maximum storage capacity of 210 tons, and a maximum throughput rate of 26.68 tons of sand per hour, no control.
- (5) Aggregate loading via dump truck to one outside aggregate storage bin, identified as EU-2, with a maximum storage capacity of 210 tons, and a maximum throughput rate of 21.55 tons of aggregate per hour, using no control.
- (6) Sand transfer via front-end loader to an outdoor transfer hopper. Sand is transferred via belt conveyor to two (2) indoor sand storage bin, identified as EU-3a and EU-3b, with a maximum storage capacity of 42 tons each, and a maximum throughput rate of 26.68 tons of sand per hour, using no control.
- (7) Aggregate transfer via front-end loader to an outdoor transfer hopper. Aggregate is transferred via belt conveyor to one indoor aggregate storage bin, identified as EU-4, with a maximum storage capacity of 42 tons, and a maximum throughput rate of 21.55 tons aggregate per hour (each), using no control.
- (8) Cement unloading via pneumatic tanker to one Portland cement silo, identified as EU-5, with a maximum storage capacity of 59.1 tons, and a maximum throughput rate of 7.61 tons of cement per hour, equipped with a baghouse, exhausting to the atmosphere.
- (9) Fly ash unloading via pneumatic tanker to one fly ash silo, identified as EU-6, with a maximum storage capacity of 32.4 tons, and a maximum throughput rate of 1.91 tons of fly ash per hour, equipped with a baghouse, exhausting to the atmosphere.
- (10) Sand/aggregate unloading via gravity feed from hopper to conveyer belt to one sand/aggregate weigh belt, identified as EU-7, with a maximum storage capacity of 4 tons, and a maximum throughput rate of 48.23 tons of sand and aggregate per hour, using no control.
- (11) Cement/fly ash unloading via screw conveyor feed from silos to one cement/fly ash weigh hopper, identified as EU-8, with a maximum storage capacity of 0.6 tons, and a maximum throughput rate of 9.52 tons cement and fly ash per hour, using no control.
- (12) Mixer, identified as EU-9, with a maximum capacity of 4 tons and a maximum throughput rate of 60.36 tons of concrete per hour, loading of sand/aggregate via weight belt and cement/fly ash via gravity, using no control.
- (13) One (1) mold form release operation, identified as MR-1, with a maximum throughput rate of 60.36 tons of concrete per hour, using Grifcote FR-50 VOC mold release agent, using no control.

NOTE: The source makes a variety of sizes and shapes of reinforced concrete pipe and does not specifically measure how much mold release is used on each pipe. The mold release agent is applied by a hand-operated sprayer or by brush. The scenario listed above is based on a worse-case situation using a large mold.

Form Release Operation

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)

The source commenced operation after January 1, 1980, however each unit is not subject to the requirements of 326 IAC 8-1-6 because the VOC from the form release operation is less than twenty-five (25) tons per year.

Boiler

- (a) 326 IAC 6-2-4 (Emission Limitations for Facilities specified in 326 IAC 6-2-1(d))
The two (2) natural gas-fired boilers are subject to 326 IAC 6-2-4 because they were constructed after September 21, 1983. Pursuant to 326 IAC 6-2-4 (a) (Particulate emission limitations for sources of indirect heating: emission limitations for facilities specified in 326 IAC 6-2-1(d)), particulate emissions from this boiler must be calculated using the following equation:

$$P_t = \frac{1.09}{Q^{0.26}}$$

Where:

P_t = pounds of particulate matter emitted per million Btu heat input (lb/MMBtu).

Q = total source operating capacity (MMBtu/hr).

- (1) North Boiler and South Boiler, installed in 1991, ($Q = 2.50$ MMBtu/hr).

$$P_t = \frac{1.09}{2.50^{0.26}}$$

$$P_t = 0.86 \text{ lb/MMBtu}$$

Pursuant to 326 IAC 6-2-4, particulate emissions from indirect heating facilities, which were constructed after September 21, 1983, with a total source operating capacity less than 10 MMBtu/hr, shall not exceed 0.6 lb/MMBtu heat input. Based on the calculations below, this boiler can comply with this limit.

When burning natural gas:

$$\text{PM Emissions} = 1.9 \text{ lb PM/MMSCF} * \text{MMSCF}/1,020 \text{ MMBtu} = 0.0019 \text{ lbs/MMBtu}$$

- (b) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
The natural gas-fired combustion units are exempt from the requirements of 326 IAC 6-3, because, pursuant to 326 IAC 1-2-59, liquid and gaseous fuels and combustion air are not considered as part of the process weight.
- (c) 326 IAC 7-1.1-1 (Sulfur Dioxide Emission Limitations)
This source is not subject to 326 IAC 7-1.1-1 (Sulfur Dioxide Emission Limitations) because the potential to emit sulfur dioxide from each natural gas-fired combustion unit is less than twenty-five (25) tons per year and ten (10) pounds per hour.
- (d) 326 IAC 8-1-6 (New Facilities; General Reduction Requirements)
The natural gas-fired combustion units are not subject to 326 IAC 8-1-6 (New Facilities; General Reduction Requirements), because they each have the potential to emit VOC of less than twenty-five (25) tons per year.
- (e) 326 IAC 9-1-1 (Carbon Monoxide Emission Limits)
The natural gas-fired combustion units are not subject to 326 IAC 9-1-1 (Carbon Monoxide Emission Limits) because there is no applicable emission limits for the source under 326 IAC 9-1-2.

- (f) 326 IAC 10-1-1 (Nitrogen Oxides Control)
 The natural gas-fired combustion units are not subject to 326 IAC 10-1-1 (Nitrogen Oxides Control) because the source is not located in Clark or Floyd counties.

Compliance Determination and Monitoring Requirements

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

Emission Unit/Control	Operating Parameters	Frequency	Range	
Baghouse for Portland Cement Silo (EU5)	Bag Inspections	Quarterly	Normal/Abnormal	Response Steps
	Visible Emissions	Daily		
Baghouse for Fly Ash Silo (EU6)	Bag Inspections	Quarterly	Normal/Abnormal	Response Steps
	Visible Emissions	Daily		

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 June 15, 2012. Additional information was received on August 2, 2012, September 5, 2012, October 19, 2012, November 2, 2012, and January 4, 2013.

The operation of this source shall be subject to the conditions of the attached proposed MSOP No. 163-32023-05131. The staff recommends to the Commissioner that this MSOP be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Deborah Cole at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 317-234-5377) or toll free at 1-800-451-6027, ext. 4-5377.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.in.gov/idem

**Appendix A: Emission Calculations
Emission Summary**

Company Name: Sherman-Dixie Concrete Industries, Inc.
Address: 1213 Stanley Avenue, Evansville, IN 47711
Permit No.: 163-32023-05131
Reviewer: Deborah Cole

Unlimited Potential to Emit (tons/yr)									
Emission Unit	PM	PM10	PM2.5	SO ₂	NOx	VOC	CO	GHG as CO2e	HAPs
Outside Storage Bins	0.01	0.002	0.002	0.00	0.00	0.00	0.00	0.00	0.00
Reinforced Concrete Pipe Manufacturing Operation	3.18	3.18	3.18	0.00	0.00	0.00	0.00	0.00	0.00
Mold Form Release	0.00	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00
Natural Gas Combustion	0.02	0.08	0.08	0.01	1.07	0.06	0.90	1,296.08	0.02
Total Non-Fugitive Emissions	3.21	3.27	3.27	0.01	1.07	3.91	0.90	1,296.08	0.02
Paved Roads	50.66	10.13	1.68	0.00	0.00	0.00	0.00	0.00	0.00
Unpaved Roads	65.97	16.81	1.68	0.00	0.00	0.00	0.00	0.00	0.00
Total Fugitive Emissions	116.63	26.95	3.36	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	119.84	30.21	6.63	0.01	1.07	3.91	0.90	1,296.08	0.02

Appendix A: Emission Calculations
Emissions Due to Wind Erosion of Outside Storage Bins

Company Name: Sherman-Dixie Concrete Industries, Inc.
Address: 1213 Stanley Avenue, Evansville, IN 47711
Permit No.: 163-32023-05131
Reviewer: Deborah Cole

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

$$E_f = \frac{1.7 \cdot (s/1.5) \cdot (365-p)}{235 \cdot (f/15)} \quad \text{where:}$$

	s (% silt)	p	f	Emission Factor (lb/acre/day)
Sand	1.6	125	15	1.85
Aggregate	1.6	125	15	1.85

p=days of rain greater than or equal to 0.01 inches

f=% of wind greater than or equal to 12 mph

$$\text{PTE of PM (storage)} = \frac{E_f \cdot sc \cdot (40 \text{ cuft/ton}) \cdot (365 \text{ day/yr})}{(2000 \text{ lb/ton}) \cdot (43560 \text{ sqft/acre}) \cdot (25 \text{ ft})}$$

	sc (tons storage capacity)	PTE of PM (tons/yr)
Sand	210	0.00
Aggregate	210	0.00
Total	420	0.01

PM-10 = 35% of PM:

	PTE of PM10 (tons/yr)
Sand	9.12E-04
Aggregate	9.12E-04
Total	0.002

**Appendix A: Emission Calculations
Particulate Emissions from Concrete Manufacturing Operation**

**Company Name: Sherman-Dixie Concrete Industries, Inc.
Address: 1213 Stanley Avenue, Evansville, IN 47711
Permit No.: 163-32023-05131
Reviewer: Deborah Cole**

Emission Unit	Unit Description	Process	Storage Capacity (tons)	Throughput Capacity (tons/hr)	PM Emission Factor (lb/ton)	PM10 Emission Factor (lb/ton)	PTE PM (lbs/hr)	PTE PM10 (lbs/hr)	PTE PM (tons/yr)	PTE PM10 (tons/yr)
Kiln #1	Kiln	Curing	-	9.16	-	-	-	-	-	-
Kiln #2	Kiln	Curing	-	15.27	-	-	-	-	-	-
Kiln #3	Kiln	Curing	-	15.27	-	-	-	-	-	-
1	Outside Sand Storage Bin*	Sand Loading via Dump Truck	210	26.68	0.0021	0.00099	0.06	0.03	0.25	0.12
2	Outside Aggregate Storage Bin*	Aggregate Loading via Dump Truck	210	21.55	0.0069	0.0033	0.15	0.07	0.65	0.31
3a and 3b	Indoor Sand Storage Bins	Sand Transfer via Front-End Loader	84	53.36	0.0021	0.00099	0.11	0.05	0.5	0.2
4	Indoor Aggregate Storage Bin	Aggregate Transfer via Front-End Loader	42	21.55	0.0069	0.0033	0.15	0.07	0.65	0.31
5	Portland Cement Silo	Cement Unloading via Pneumatic Tanker	51	7.61	0.00099	0.00034	0.01	0.00	0.03	0.01
6	Fly Ash Silo	Fly Ash Unloading via Pneumatic Tanker	50	1.91	0.0089	0.0049	0.02	0.01	0.07	0.04
7	Sand/Aggregate Weigh Belt	Gravity Feed from Hopper to Conveyor Belt	4	48.23	0.0048	0.0028	0.23	0.14	1.01	0.59
8	Cement/Fly Ash Weigh Hopper	Screw Conveyor Feed from Silos to Hopper	0.6	9.52	0.0048	0.0028	0.05	0.03	0.20	0.12
9	Concrete Mixer	Mixer Loading via weigh belt and cement	4	60.36	0.0184	0.0055	1.11	0.33	4.86	1.45
				250.77	Total	1.88	0.73	8.22	3.18	3.18

Methodology

The emission factors are from AP-42, Chapter 11.12, Table 11.12-2 (6/06).

* Maximum throughput capacity provided by source.

PTE PM/PM10 (lbs/hr) = Throughput Capacity (tons/hr) * Emission Factor (lb/ton)

PTE PM/PM10 (tons/yr) = Throughput Capacity (tons/hr) * Emission Factor (lb/ton) * 8,760 hrs/yr * 1 ton/2,000 lbs

Assume PM10=PM2.5

It is assumed that there are no process emissions from the kilns.

**Appendix A: Emission Calculations
HAPs Emissions from Concrete Manufacturing Operation**

**Company Name: Sherman-Dixie Concrete Industries, Inc.
Address: 1213 Stanley Avenue, Evansville, IN 47711
Permit No.: 163-32023-05131
Reviewer: Deborah Cole**

Emission Unit	Unit Description	Process	Throughput Capacity (tons/hr)	Total HAPs Emission Factor	PTE Total HAPs (tons/yr)
5	Portland Cement Silo	Cement Unloading via Pneumatic Tanker	7.61	2.03E-07	6.78E-06
6	Fly Ash Silo	Fly Ash Unloading via Pneumatic Tanker	1.91	8.98E-06	7.51E-05
9	Concrete Mixer	Mixer Loading via weigh belt and cement	60.36	5.69E-06	1.50E-03
Total				1.59E-03	1.59E-03

Methodology

*The emission factors are from AP-42, Chapter 11.12, Table 11.12-8 (6/06).

The emission factor, 2.34E-04 lb/ton, shown above is the sum of all metal emission factors for cement silo filling provided in AP-42.

The emission factor, 8.67E-05 lb/ton, shown above is the sum of all metal emission factors for central mix batching provided in AP-42.

Because there were no HAP emission factors available in AP-42 for the other concrete batching processes, 2.34E-04 lb/ton is used as a worst-case scenario.

* Maximum throughput capacity provided by source.

** Maximum throughput capacity (tons/hr) = [864 (lbs cement/batch) + 1,940 (lbs aggregate/batch) + 2,250 (lbs sand/batch)] x 10 (batches/hr) x 1/2000 (ton/lbs)

PTE Total HAPs (tons/yr) = Throughput Capacity (tons/hr) * Total HAPs Emission Factor (lb/ton) * 8,760 hrs/yr * 1 ton/2,000 lbs

**Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100**

**Company Name: Sherman-Dixie Concrete Industries, Inc.
Address: 1213 Stanley Avenue, Evansville, IN 47711
Permit No.: 163-32023-05131
Reviewer: Deborah Cole**

Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr
2.5	1020	21.5

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.02	0.08	0.08	0.01	1.07	0.06	0.90

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
PM2.5 emission factor is filterable and condensable PM2.5 combined.
**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

See page 2 for HAPs emissions calculations.

Emission Factor in lb/MMcf	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	0.00002	0.00001	0.00081	0.01932	0.00004

Emission Factor in lb/MMcf	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	0.00001	0.00001	0.00002	0.00000	0.00002

Methodology is the same as page 1.

Total HAPs: 0.020

The five highest organic and metal HAPs emission factors are provided above.
Additional HAPs emission factors are available in AP-42, Chapter 1.4.
See Page 3 for Greenhouse Gas calculations.

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120,000	2.3	2.2
Potential Emission in tons/yr	1,288	0.0	0.0
Summed Potential Emissions in tons/yr	1,288		
CO2e Total in tons/yr	1,296		

Methodology

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).

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

Company Name: **Sherman-Dixie Concrete Industries, Inc.**
Address: **1213 Stanley Avenue, Evansville, IN 47711**
Permit No.: **163-32023-05131**
Reviewer: **Deborah Cole**

Paved Roads at Industrial Site

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

Vehicle Information (provided by source)

Type	Maximum number of vehicles per day	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Raw Material Delivery (dump trucks, cement tankers, tractor-trailers) entering	64.4	1.0	64.4	40.0	2576.0	1100	0.208	13.4	4897.1
Raw Material Delivery leaving	64.4	1.0	64.4	17.5	1127.0	536	0.102	6.5	2386.2
Forklifts & Front-End Loader	4.0			30.0	0.0				78840.0
Employee Vehicles (cars, trucks or motorcycle)	15.0	2.0	30.0	2.0	60.0	260	0.049	1.5	539.2
Miscellaneous (Post office, FedEx, customers)	10.0	2.0	20.0	5.0	100.0	260	0.049	1.0	359.5
Product Delivery entering (tractor with flat-bed trailer)	64.4	1.0	64.4	17.5	1127.0	925	0.175	11.3	4118.0
Product Delivery leaving	64.4	1.0	64.4	40.0	2576.0	230	0.044	2.8	1023.9
Totals			307.6		7566.0			36.5	92163.9

Average Vehicle Weight Per Trip = $\frac{24.6}{0.12}$ tons/trip
Average Miles Per Trip = $\frac{24.6}{0.12}$ miles/trip

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

where k =	PM	PM10	PM2.5	lb/VTM = particle size multiplier (AP-42 Table 13.2.1-1)
W =	0.011	0.0022	0.00054	tons = average vehicle weight (provided by source)
sL =	24.6	24.6	24.6	g/m ² = silt loading value for paved roads at iron and steel production facilities - Table 13.2.1-3)
	4.8	4.8	4.8	

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

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

Unmitigated Emission Factor, $E_f =$	PM	PM10	PM2.5	lb/mile
Mitigated Emission Factor, $E_{ext} =$	1.202	0.240	0.0590	lb/mile
Dust Control Efficiency =	1.099	0.220	0.0540	(pursuant to control measures outlined in fugitive dust control plan)
	50%	50%	50%	

Process	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)	Controlled PTE of PM2.5 (tons/yr)
Vehicle (entering plant) (one-way trip)	2.94	0.59	0.14	2.69	0.54	0.13	1.35	0.27	0.07
Vehicle (leaving plant) (one-way trip)	1.43	0.29	0.07	1.31	0.26	0.06	0.66	0.13	0.03
Forklifts and Loader	47.40	9.48	2.33	43.34	8.67	2.13	21.67	4.33	1.06
Employee Vehicles	0.32	0.06	0.02	0.30	0.06	0.01	0.15	0.03	0.01
Miscellaneous (Post office, FedEx, customers)	0.22	0.04	0.01	0.20	0.04	0.01	0.10	0.02	0.00
Product Delivery entering	2.48	0.50	0.12	2.26	0.45	0.11	1.13	0.23	0.06
Product Delivery leaving	0.62	0.12	0.03	0.56	0.11	0.03	0.28	0.06	0.01
Totals	55.41	11.08	2.72	50.66	10.13	2.49	25.33	5.07	1.24

Methodology

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

Abbreviations

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

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

Company Name: Sherman-Dixie Concrete Industries, Inc.
Address: 1213 Stanley Avenue, Evansville, IN 47711
Permit No.: 163-32023-05131
Reviewer: Deborah Cole

Unpaved Roads at Industrial Site

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

Vehicle Information (provided by source)

Type	Maximum number of vehicles	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Raw Material Delivery (dump trucks, cement tankers, tractor-trailers) entering	64.4	1.0	64.4	40.0	2576.0	265	0.050	3.2	1179.8
Raw Material Delivery leaving	64.4	1.0	64.4	17.5	1127.0	150	0.028	1.8	667.8
Forklifts & Front-End Loader	4.0			30.0					26280.0
Totals			128.8		3703.0			5.1	28127.5

Average Vehicle Weight Per Trip = $\frac{28.8}{0.04}$ tons/trip
 Average Miles Per Trip = $\frac{0.04}{1}$ miles/trip

Unmitigated Emission Factor, $E_f = k \cdot \left(\frac{s}{12}\right)^a \cdot \left(\frac{W}{3}\right)^b$ (Equation 1a from AP-42 13.2.2)

	PM	PM10	PM2.5	
where k =	4.9	1.5	0.15	lb/mi = particle size multiplier (AP-42 Table 13.2.2-2 for Industrial Roads)
s =	4.8	4.8	4.8	% = mean % silt content of unpaved roads (AP-42 Table 13.2.2-1 Sand/Gravel Processing Plant)
a =	0.7	0.9	0.9	= constant (AP-42 Table 13.2.2-2 for Industrial Roads)
W =	28.8	28.8	28.8	tons = average vehicle weight (provided by source)
b =	0.45	0.45	0.45	= constant (AP-42 Table 13.2.2-2 for Industrial Roads)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E_f \cdot \left[\frac{365 - P}{365}\right]$ (Equation 2 from AP-42 13.2.2)

Mitigated Emission Factor, $E_{ext} = \frac{E_f \cdot \left[\frac{365 - P}{365}\right]}{125}$ days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

	PM	PM10	PM2.5	
Unmitigated Emission Factor, $E_f =$	7.13	1.82	0.18	lb/mile
Mitigated Emission Factor, $E_{ext} =$	4.69	1.20	0.12	lb/mile
Dust Control Efficiency =	50%	50%	50%	(pursuant to control measures outlined in fugitive dust control plan)

Process	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)	Controlled PTE of PM2.5 (tons/yr)
Raw Material Delivery entering	4.21	1.07	0.11	2.77	0.71	0.07	1.38	0.35	0.04
Raw Material Delivery leaving	2.38	0.61	0.06	1.57	0.40	0.04	0.78	0.20	0.02
Forklifts & Front-End Loader	93.74	23.89	2.39	61.64	15.71	1.57	30.82	7.85	0.79
Totals	100.33	25.57	2.56	65.97	16.81	1.68	32.98	8.41	0.84

Methodology

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

Abbreviations

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



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

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Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

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

TO: Bill Scott
Sherman-Dixie Concrete Industries, Inc.
1213 S Stanley Ave
Evansville, IN 47711

DATE: March 5, 2013

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

SUBJECT: Final Decision
MSOP - Transition from SSOA
163 - 32023 - 05131

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

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

A copy of the final decision and supporting materials has also been sent via standard mail to:
John Mokrzycki, Facilities & Product Engineer
OAQ Permits Branch Interested Parties List

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

Final Applicant Cover letter.dot 11/30/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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March 5, 2013

TO: Evansville Library Stringtown Branch

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

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

Applicant Name: Sherman-Dixie Concrete Industries, Inc.
Permit Number: 163 - 32023 - 05131

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

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

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	LPOGOST 3/5/2013 Sherman- Dixie Concrete Industries Inc. 163 - 32023 - 05131 /final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handling Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee
											Remarks
1		Bill Scott Sherman- Dixie Concrete Industries Inc. 1213 S Stanley Ave Evansville IN 47711 (Source CAATS) Via confirmed delivery									
2		John Mokrzycki Facilities & Product Engineer Sherman- Dixie Concrete Industries Inc. 200 42nd Ave N Nashville TN 37209 (RO CAATS)									
3		Evansville City Council and Mayors Office 1NW MLK Blvd, Rm 302 Evansville IN 47708 (Local Official)									
4		Vanderburgh County Commissioners 1 NW MLK Blvd, Rm 305 Evansville IN 47708 (Local Official)									
5		Mr. Don Mottley Save Our Rivers 6222 Yankeetown Hwy Boonville IN 47601 (Affected Party)									
6		Vanderburgh County Health Dept. 420 Milberry Street Evansville IN 47713-1888 (Health Department)									
7		Kim Sherman 3355 Woodview Drive Newburgh IN 47630 (Affected Party)									
8		Mr. Mark Wilson Evansville Courier & Press P.O. Box 268 Evansville IN 47702-0268 (Affected Party)									
9		Evansville Library Stringtown Branch 2100 Stringtown Road Evansville IN 47711 (Library)									
10		Evansville EPA 100 E. Walnut St. Suite 100, Newsome Center Evansville IN 47713 (Local Official)									
11		David Boggs 216 Western Hills Dr Mt Vernon IN 47620 (Affected Party)									
12											
13											
14											
15											

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