



Mitchell E. Daniels, Jr.  
Governor

Thomas W. Easterly  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
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(800) 451-6027  
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TO: Interested Parties / Applicant  
DATE: December 10, 2007  
RE: Dobson Construction Company / 053-24932-00044  
FROM: Matthew Stuckey, Deputy 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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## Federally Enforceable State Operating Permit Renewal OFFICE OF AIR QUALITY

**Dobson Construction Company, Inc.  
2635 S. Central Ave  
Marion, Indiana 46935**

(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.

**The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.**

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

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 FESOP under 326 IAC 2-8.

Operation Permit No.: F053-24932-00044	
Issued by:  <i>Original document signed by</i>  Matthew Stuckey, Deputy Branch Chief Permits Branch Office of Air Quality	Issuance Date: December 10, 2007  Expiration Date: December 10, 2012

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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 through A.3 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 2-8-3(b)]

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The Permittee owns and operates a stationary hot asphalt drum mix plant.

Source Address:	2635 S. Central Ave, Marion, Indiana 46935
Mailing Address:	P.O. Box 401, Marion, IN 46952
General Source Phone Number:	(765) 664-8992
SIC Code:	2951
County Location:	Grant
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

One (1) hot asphalt drum mixer with a maximum processing capacity of 100 tons per hour of raw materials, equipped with one (1) 9.0 million British thermal units (MMBtu) per hour natural gas fired burner, and one (1) cyclone for controlling particulate matter (PM) emissions from the hot asphalt drum mixer, all exhausting at one (1) stack identified as S/V1.

### A.3 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]

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This stationary source also includes the following insignificant activities:

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour:
  - one (1) natural gas fired hot oil heater, with a maximum rated capacity of 0.0003 MMBtu per hour, exhausting at one (1) stack identified as S/V3;
- (b) Paved and unpaved roads and parking lots with public access;
- (c) Other categories with emissions below significant thresholds:
  - (1) one (1) cold aggregate belt conveyor;
  - (2) three (3) cold aggregate feeder bins, with a total capacity of 110 tons;
  - (3) one (1) asphalt hopper with a maximum holding capacity of 18 tons;
  - (4) one (1) liquid asphalt storage tank with a maximum storage capacity of 18,000 gallons, exhausting at one (1) stack identified as S/V2;

- (5) one (1) No. 2 distillate fuel oil storage tank with a maximum storage capacity of 1,000 gallons, exhausting at one (1) stack identified as S/V4; and
- (6) three (3) virgin aggregate storage piles with a maximum total storage capacity of 760 tons.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2 (a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) to renew a Federally Enforceable State Operating Permit (FESOP).

## **SECTION B GENERAL CONDITIONS**

### **B.1 Definitions [326 IAC 2-8-1]**

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 2-7) shall prevail.

### **B.2 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]**

- (a) This permit, F053-24932-00044, 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 [326 IAC 2-8-6]**

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 [326 IAC 2-8-4(4)]**

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 [326 IAC 2-8-4(5)(D)]**

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

### **B.7 Duty to Provide Information [326 IAC 2-8-4(5)(E)]**

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) 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 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

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

- (b) The annual compliance certification report 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 annual compliance certification report shall include the following:
  - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
  - (2) The compliance status;
  - (3) Whether compliance was continuous or intermittent;
  - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
  - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.11 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.12 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1 (12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
  - (2) The permitted facility was at the time being properly operated;
  - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
  - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,  
Compliance Section), or  
Telephone Number: 317-233-0178 (ask for Compliance Section)  
Facsimile Number: 317-233-6865

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

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

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
  - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
  - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
  - (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
  - (g) Operations may continue during an emergency only if the following conditions are met:
    - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
    - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
      - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

- (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

**B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

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- (a) All terms and conditions of permits established prior to F053-24932-00044 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.14 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]**

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The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

**B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]**

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- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

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

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination  
[326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

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- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
  - (1) That this permit contains a material mistake.
  - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
  - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

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- (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 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permits Branch, 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 nine (9) months 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 2-8 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 in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 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  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

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

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) without a prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)

77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b) through (d). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

- (b) Emission Trades [326 IAC 2-8-15(c)]  
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(d)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)][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 FESOP 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.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]**

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- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 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  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
  
The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

**B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]**

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- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) 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.24 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]**

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

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source

### Emission Limitations and Standards [326 IAC 2-8-4(1)]

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

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

#### C.2 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) not applicable.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

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

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:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A,

Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

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

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

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

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

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

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on December 16, 1996, which is as follows:

Watering the following fugitive emission activities on an as needed basis:

- (a) Vehicular traffic on paved roads and parking lots;
- (b) Aggregate stockpile operations; and
- (c) Outdoor aggregate conveying and handling.

C.8 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.9 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  
Asbestos Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-52 IGCN 1003  
Indianapolis, Indiana 46204-2251

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

- (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 Accredited 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 Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

### **Testing Requirements [326 IAC 2-8-4(3)]**

#### **C.10 Performance Testing [326 IAC 3-6]**

- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue

MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) 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.11 Compliance Requirements [326 IAC 2-1.1-11]**

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

### **Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]**

#### **C.12 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]**

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Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

**C.13 Monitoring Methods [326 IAC 3][40 CFR 60][40 CFR 63]**

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

**C.14 Instrument Specifications [326 IAC 2-1.1-11][326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]**

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

**Corrective Actions and Response Steps [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]**

**C.15 Risk Management Plan [326 IAC 2-8-4][40 CFR 68]**

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If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

**C.16 Response to Excursions or Exceedances [326 IAC 2-8-4][326 IAC 2-8-5]**

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- (a) Upon detecting an excursion or exceedance, the Permittee shall 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 emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
  - (1) initial inspection and evaluation;
  - (2) recording that operations returned 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 within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (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 maintain the following records:
  - (1) monitoring data;
  - (2) monitor performance data, if applicable; and
  - (3) corrective actions taken.

**C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]**

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]**

**C.18 General Record Keeping Requirements [326 IAC 2-8-4(3)][326 IAC 2-8-5]**

- (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, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

**C.19 General Reporting Requirements [326 IAC 2-8-4(3)(C)][326 IAC 2-1.1-11]**

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

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

- (c) 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.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) 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.

### **Stratospheric Ozone Protection**

#### **C.20 Compliance with 40 CFR 82 and 326 IAC 22-1**

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Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

## SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description [326 IAC 2-8-4(10)]:

One (1) hot asphalt drum mixer with a maximum capacity of processing 100 tons per hour of raw materials, equipped with one (1) 9.0 million British thermal units (MMBtu) per hour natural gas fired burner, and one (1) cyclone for controlling particulate matter (PM) emissions from the hot asphalt drum mixer, all exhausting at one (1) stack identified as S/V1.

(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 2-8-4(1)]

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

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable PM emission rate from the aggregate mixing and drying operation shall not exceed 51.28 pounds per hour when operating at a process weight rate of 100 tons per hour. The pounds per hour limitation was calculated using the following equation:

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

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

#### D.1.2 Particulate Matter Less Than 10 Microns In Diameter (PM-10) [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4, emissions of particulate matter less than 10 microns in diameter (PM-10) from the aggregate mixing and drying operation shall not exceed 0.15 pound of PM-10 per ton of asphalt mix.

This limits total source-wide PM-10 emissions to less than 100 tons per year. Compliance with this limit will satisfy 326 IAC 2-8-4 and render the requirements of Part 70 (326 IAC 2-7) not applicable.

#### D.1.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.

### Compliance Determination Requirements

#### D.1.4 Particulate Matter (PM)

In order to comply with D.1.1 and D.1.2, the cyclone for PM and PM-10 control shall be in operation and control emissions from the drum mix dryer/burner at all times that the drum mix dryer/burner is in operation.

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

The Permittee shall conduct testing to measure PM and PM-10 emissions, utilizing methods per 40 CFR Part 60 Appendix A, Method 5 for PM and methods as approved by the Commissioner for PM-10. PM-10 includes filterable and condensable PM-10. This testing will be conducted within ninety (90) days after issuance of this permit and in accordance with Section C-Performance Testing and 326 IAC 3-6.

## **Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]**

### **D.1.6 Visible Emissions Notations**

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- (a) Visible emission notations of the drum mix dryer/ burner cyclone stack exhaust, and the conveying, and material transfer points shall be performed once per day 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) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

### **D.1.7 Cyclone Failure Detection**

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In the event that cyclone failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

## **Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]**

### **D.1.8 Record Keeping Requirements**

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- (a) To document compliance with Condition D.1.6, the Permittee shall maintain records of the once per day visible emission notations of the drum mix dryer/burner cyclone stack exhaust, conveyors, and transfer points. The Permittee shall include in its daily records when a visible emission notation is not taken and the reason for the lack notation (e.g., the process did not operate that day).
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

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

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
CERTIFICATION**

Source Name: Dobson Construction Company, Inc.  
Source Address: 2635 S. Central Ave, Marion, Indiana 46935  
Mailing Address: P.O. Box 401, Marion, IN 46952  
FESOP Permit No.: F053-24932-00044

**This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.**

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify)\_\_\_\_\_
- Report (specify)\_\_\_\_\_
- Notification (specify)\_\_\_\_\_
- Affidavit (specify)\_\_\_\_\_
- Other (specify)\_\_\_\_\_

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
Phone: 317-233-0178  
Fax: 317-233-6865**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
EMERGENCY OCCURRENCE REPORT**

Source Name: Dobson Construction Company, Inc.  
Source Address: 2635 S. Central Ave, Marion, Indiana 46935  
Mailing Address: P.O. Box 401, Marion, IN 46952  
FESOP Permit No.: F053-24932-00044

**This form consists of 2 pages**

**Page 1 of 2**

- |   |
|---|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none"><li>• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and</li><li>• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16</li></ul> |
|---|

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency?    Y    N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO <sub>2</sub> , VOC, NO <sub>x</sub> , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION  
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Dobson Construction Company, Inc.  
Source Address: 2635 S. Central Ave, Marion, Indiana 46935  
Mailing Address: P.O. Box 401, Marion, IN 46952  
FESOP Permit No.: F053-24932-00044

**Months:** \_\_\_\_\_ **to** \_\_\_\_\_ **Year:** \_\_\_\_\_

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "no deviations occurred this reporting period."</p>	
<p><input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.</p>	
<p><input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD</p>	
<p><b>Permit Requirement</b> (specify permit condition #)</p>	
<p><b>Date of Deviation:</b></p>	<p><b>Duration of Deviation:</b></p>
<p><b>Number of Deviations:</b></p>	
<p><b>Probable Cause of Deviation:</b></p>	
<p><b>Response Steps Taken:</b></p>	
<p><b>Permit Requirement</b> (specify permit condition #)</p>	
<p><b>Date of Deviation:</b></p>	<p><b>Duration of Deviation:</b></p>
<p><b>Number of Deviations:</b></p>	
<p><b>Probable Cause of Deviation:</b></p>	
<p><b>Response Steps Taken:</b></p>	

<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

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

Addendum to the  
Technical Support Document for a Federally Enforceable State Operating Permit  
Renewal

Source Name: Dobson Construction Company, Inc.  
Source Location: 2635 S. Central Ave, Marion, IN 46953  
County: Grant  
SIC Code: 2951  
Operation Permit No.: F053-24932-00044  
Permit Reviewer: Meredith W. Jones

On October 29, 2007, the Office of Air Quality (OAQ) had a notice published in the Marion Chronicle Tribune in Marion, Indiana, stating that Dobson Construction Company, Inc. had applied for a Federally Enforceable State Operating Permit renewal for a stationary hot asphalt drum mix plant. The notice also stated that OAQ proposed to issue a permit renewal for this operation and provided information on how the public could review the proposed permit renewal and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit renewal should be issued as proposed.

Changes to the permit are noted as follows: ~~struck~~ language has been deleted; **bold** language has been added.

There were no comments received during the public notice period. However, OAQ will make the following change to the signature block:

**OAQ Change:**

Operation Permit No.: F053-24932-00044	
Issued by:  <del>Nisha Sizemore,</del> <b>Matthew Stuckey, Deputy Branch Chief</b> Permits Branch Office of Air Quality	Issuance Date:  Expiration Date:

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

Technical Support Document (TSD) for a Federally Enforceable State Operating Permit  
Renewal

**Source Background and Description**

<b>Source Name:</b>	<b>Dobson Construction Company, Inc.</b>
<b>Source Location:</b>	<b>2635 S. Central Ave, Marion, IN 46953</b>
<b>County:</b>	<b>Grant</b>
<b>SIC Code:</b>	<b>2951</b>
<b>Permit Renewal No.:</b>	<b>F053-24932-00044</b>
<b>Permit Reviewer:</b>	<b>Meredith W. Jones</b>

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Dobson Construction Company, Inc. relating to the operation of a stationary hot asphalt drum mix plant.

**History**

On June 15, 2007 Dobson Construction Company, Inc. submitted an application to the OAQ requesting to renew its operating permit. Dobson Construction Company, Inc. was issued FESOP 053-7888-00044 on July 21, 1997 and its first FESOP Renewal, 053-15210-00044, on August 29, 2002.

**Permitted Emission Units and Pollution Control Equipment**

One (1) hot asphalt drum mixer with a maximum capacity of processing 100 tons per hour of raw materials, equipped with one (1) 9.0 million British thermal units (MMBtu) per hour natural gas fired burner, and one (1) cyclone for controlling particulate matter (PM) emissions from the hot asphalt drum mixer, all exhausting at one (1) stack identified as S/V1.

**Insignificant Activities**

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour:
  - one (1) natural gas fired hot oil heater, with a maximum rated capacity of 0.0003 MMBtu per hour, exhausting at one (1) stack identified as S/V3;
- (b) Paved and unpaved roads and parking lots with public access [326 IAC 6-4];
- (c) Other categories with emissions below significant thresholds:
  - (1) one (1) cold aggregate belt conveyor;
  - (2) three (3) cold aggregate feeder bins, with a total capacity of 110 tons;
  - (3) one (1) asphalt hopper with a maximum holding capacity of 18 tons;
  - (4) one (1) liquid asphalt storage tank with a maximum storage capacity of 18,000 gallons, exhausting at one (1) stack identified as S/V2;

- (5) one (1) No. 2 distillate fuel oil storage tank with a maximum storage capacity of 1,000 gallons, exhausting at one (1) stack identified as S/V4; and
- (6) three (3) virgin aggregate storage piles with a maximum total storage capacity of 760 tons.

### Existing Approvals

The source has been operating under FESOP Renewal 053-15210-00044 exclusively since its issuance on August 29, 2002.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

### Enforcement Issue

There are no enforcement actions pending.

### Emission Calculations

See Appendix A of this document for detailed emission calculations.

### County Attainment Status

The source is located in Grant County.

Pollutant	Status
PM-10	attainment
PM-2.5	attainment
SO <sub>2</sub>	attainment
NO <sub>x</sub>	attainment
8-hour Ozone	attainment
CO	attainment
Lead	attainment

- (a) Grant County has been classified as attainment for PM-2.5. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM-2.5 emissions. Therefore, until the U.S. EPA adopts specific provisions for PSD review for PM-2.5 emissions, it has directed states to regulate PM-10 emissions as a surrogate for PM-2.5 emissions. See the State Rule Applicability – Entire Source section.
- (b) Volatile organic compounds (VOCs) and nitrogen oxides (NO<sub>x</sub>) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC emissions and NO<sub>x</sub> emissions are considered when evaluating the rule applicability relating to ozone. Grant County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions and NO<sub>x</sub> 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) Grant County has also 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. See the State Rule Applicability – Entire Source section.

- (d) While this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, the source's fugitive emissions are counted toward determination of PSD applicability because of the New Source Performance Standard (40 CFR Part 60, Subpart I) that was in effect for hot mix asphalt facilities, in general, on August 7, 1980.

### Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Pollutant	tons/year
PM	228.50
PM-10	215.20
SO <sub>2</sub>	0.02
VOC	2.09
CO	3.31
NO <sub>x</sub>	3.94

HAPs	tons/year
Benzene	1.708E-01
Ethylbenzene	1.051E-01
Formaldehyde	1.358E+00
Toluene	6.570E-02
Total POM*	8.3E-02
Xylene	8.760E-02
<b>Total</b>	<b>1.87</b>

\* Total POM includes 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Perylene, Phenanthrene, and Pyrene.

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM-10 is equal to or greater than 100 tons per year. The source is subject to the provisions of 326 IAC 2-7. However, the source will be issued a FESOP because it has agreed to limit its PM-10 emissions to less than Title V levels.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all other criteria pollutants are less than 100 tons per year.
- (c) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year.
- (d) While this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, the source's fugitive emissions are counted toward determination of PSD applicability because of the New Source Performance Standard (40 CFR Part 60, Subpart I) that was in effect for hot mix asphalt facilities, in general, on August 7, 1980.

### Actual Emissions

No previous emission data has been received from the source.

### Potential to Emit After Issuance

The source has opted to remain a FESOP source. The table below summarizes the potential to emit, reflecting all limits of the emission units. Any control equipment is considered enforceable only after issuance of this FESOP and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/ emission unit	Potential To Emit (tons/year)						
	PM	PM-10	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
aggregate drying	63.73	63.80	negligible	2.09	3.31	3.94	1.87
conveying & handling	0.45	0.21	-	-	-	-	-
storage piles	negligible	negligible	-	-	-	-	-
unpaved roads	8.33	2.12	-	-	-	-	-
misc. combustion (insignificant)	negligible	negligible	negligible	negligible	negligible	negligible	negligible
<b>Total Emissions</b>	<b>72.51</b>	<b>66.13</b>	<b>0.02</b>	<b>2.09</b>	<b>3.31</b>	<b>3.94</b>	<b>1.87</b>

### Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit for this source. This stationary asphalt drum-mix plant is not subject to the requirements of 40 CFR Part 60.90 through 60.93, Subpart I: Standards of Performance for Hot Mix Asphalt Facilities because it was constructed in 1966, before the applicability date of June 11, 1973.
- (b) The one (1) 18,000 gallon storage tank and the one (1) 1,000 gallon No. 2 distillate fuel oil storage tank are not subject to the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.110, Subpart K; 40 CFR Part 60.110a, Subpart Ka; and 40 CFR Part 60.110b, Subpart Kb): Standards of Performance for Volatile Organic Liquid Storage Vessels, since the storage tanks were constructed before the earliest rule applicability date of June 11, 1973. Therefore, these requirements are not included in the permit.
- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 40 CFR Part 61, 326 IAC 20 and 40 CFR Part 63) applicable to this source.

### State Rule Applicability - Entire Source

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

This source was constructed in 1966, prior to the rule applicability date of August 7, 1980, is not one of the 28 listed source categories, has not added any emission units since original construction, and does not have the potential to emit two hundred fifty (250) tons per year or more of PM or PM-10. Therefore, this source is not subject to the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)).

#### 326 IAC 2-4.1-1 (New Source Toxics Control)

Pursuant to 326 IAC 2-4.1-1 (New Source Toxics Control), any new process or production unit, which in and of itself emits or has the potential to emit 10 tons per year of any HAP or 25 tons per year of the combination of HAPs, and is constructed or reconstructed after July 27, 1997, must be controlled using technologies consistent with Maximum Achievable Control Technology (MACT). No facilities have been constructed or reconstructed at this source since July 27, 1997 that have an uncontrolled potential to emit at least 10 tons per year of any single HAP or at least 25 tons per year of combined HAPs. Therefore, the requirements of 326 IAC 2-4.1-1 (New Source Toxics Control) do not apply to this source.

### 326 IAC 2-6 (Emission Reporting)

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

### 326 IAC 2-8-4 (FESOP)

- (a) This source is subject to 326 IAC 2-8-4 (FESOP). Pursuant to this rule, PM-10 emissions from the aggregate mixer/dryer shall be limited to 0.15 pound PM-10 per ton of asphalt mix equivalent to 22.04 pounds per hour. The source will comply with the PM-10 emission limit by utilizing a cyclone for controlling PM-10 emissions to less than 22.04 pounds per hour from the aggregate mixer/dryer. Because use of the cyclone at 70% control efficiency enables the source to limit PM-10 emissions to less than 100 tons per year when processing 100 tons per hour of raw materials, the source is not required to limit its asphalt production. The cyclone must have a control efficiency of at least 53% to enable the source to limit its emissions of PM-10 to less than 100 tons per year without limiting production.
- (b) This source does not produce cutback or emulsified asphalt. The only VOC emissions from this source are from the aggregate dryer burner (combustion) which has the potential to emit VOC of less than ten (10) tons per year. This source, therefore, does not need to limit VOC emissions to comply with 326 IAC 2-8-4 (FESOP).

Therefore, the requirements of 326 IAC 2-7 do not apply.

### 326 IAC 5-1 (Opacity Limitations)

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

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor in a six (6) hour period).

### 326 IAC 6-4 (Fugitive Dust Emissions)

This source is subject to 326 IAC 6-4 for fugitive dust emissions. Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions), fugitive dust shall not be visible crossing the boundary or property line of a source. Observances of visible emissions crossing property lines may be refuted by factual data expressed in 326 IAC 6-4-2(1), (2) or (3).

### 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

This source is subject to 326 IAC 6-5 for fugitive particulate matter emissions. Pursuant to 326 IAC 6-5, for any new source which has not received all the necessary preconstruction approvals before December 13, 1985, a fugitive dust control plan must be submitted, reviewed and approved. The fugitive dust control plan for this source includes watering the following fugitive emission activities on an as needed basis:

- (a) Vehicular traffic on paved roads and parking lots;
- (b) Aggregate stockpile operations; and

- (c) Outdoor aggregate conveying and handling.

### State Rule Applicability – Individual Facilities

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

Pursuant to 326 IAC 6-3-2, the emissions limit for processing 100 tons/hr hot mix asphalt (more than 60,000 lbs/hr) is calculated as:

$$E = 55 * (P^{0.11}) - 40 \quad \text{Where: } E = \text{Rate of emission in pounds per hour}$$
$$P = \text{Process weight rate in tons per hour}$$

Therefore, the allowable PM emission rate is 51.28 lbs/hr ( $55.0 * (100^{0.11}) - 40$ ). This is equivalent to 224.61 tons/yr, assuming 8760 hours of source operation.

The maximum controlled PM emission rate from asphalt mixing and drying is 63.73 tons/yr (14.55 lbs/hr).

$$63.73 \text{ (tons/yr)} * (2000 \text{ lbs/ton}) * (1 \text{ yr} / 8760 \text{ hrs}) = 14.55 \text{ lbs/hr}$$

Because the controlled PM emission rate of 14.55 lbs/hr is less than the allowable PM emission rate of 51.28 lbs/hr, the source is able to comply with this limit when using a control device.

The cyclone shall be in operation at all times the asphalt mixing and drying operation is in operation, in order to comply with this limit.

#### 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

This rule requires all facilities with a potential to emit twenty-five (25) tons per year or ten (10) pounds per hour of sulfur dioxide to comply with the emission limitations and test compliance methods stated in the rule. This rule is not applicable to this source since only natural gas fuel will be fired in any facility and the applicable emissions thresholds are not triggered.

#### 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities)

Pursuant to 326 IAC 8-4-1 (Applicability) and 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities), all petroleum liquid storage vessels with capacities greater than one hundred fifty thousand (150,000) liters (39,000 gallons) containing VOC whose true vapor pressure is greater than 10.5 kPa (1.52 psi) shall comply with the requirements for external fixed and floating roof tanks and the specified record keeping and reporting requirements. Given that the liquid asphalt storage tank (18,000 gallons) and No. 2 fuel oil storage tank (1000 gallons) are insignificant activities, they are not subject to IAC 8-4-3 because the tanks have capacities less than the rule applicability threshold of 39,000 gallons.

#### 326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving)

No person shall cause or allow the use of cutback asphalt or asphalt emulsion containing more than seven percent (7%) oil distillate by volume of emulsion for any paving application except for the following purposes:

- 1) penetrating prime coating
- 2) stockpile storage
- 3) application during the months of November, December, January, February and March.

This source does not produce cutback or emulsified asphalt, therefore 326 IAC 8-5-2 does not apply.

#### 326 IAC 8-9 (Volatile Organic Liquid Storage Vessels)

Pursuant to 326 IAC 8-9-1, on and after October 1, 1995 stationary vessels used to store volatile organic liquids (VOL) must comply with the requirement of the rule if located in Clark, Floyd, Lake

or Porter Counties. Stationary vessels with capacities less than 39,000 gallons are only subject to the reporting and record keeping requirements of the rule. Stationary storage vessels subject to any provision of 40 CFR Part 60.110b, New Source Performance Standard for Volatile Organic Liquid Storage, are exempt from this rule. Given that the liquid asphalt storage tank and No. 2 fuel oil storage tank are insignificant activities, they are not subject to IAC 8-9 because they are stationary vessels that are not located in any of the counties specifically listed in 326 IAC 8-9-1.

### **Testing Requirements**

The Permittee shall conduct testing to measure PM and PM-10 emissions, utilizing methods per 40 CFR Part 60 Appendix A, Method 5 for PM and methods as approved by the Commissioner for PM-10. PM-10 includes filterable and condensable PM-10. This testing will be conducted within ninety (90) days after issuance of this permit and in accordance with Section C- Performance Testing and 326 IAC 3-6.

### **Compliance Determination and Monitoring Requirements**

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

- (a) Visible emission notations of the drum mix dryer/ burner cyclone stack exhaust, and the conveying, and material transfer points shall be performed once per day 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) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

These monitoring conditions are necessary because the cyclone for the mixing and drying process must operate properly to ensure compliance with 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes) and 326 IAC 2-8 (FESOP).

### **Recommendation**

The staff recommends to the Commissioner that the FESOP Renewal be approved. This recommendation is based on the following facts and conditions:

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, 2007.

### **Conclusion**

The operation of this stationary hot asphalt drum mix plant shall be subject to the conditions of the attached FESOP Renewal No. 053-24932-00044.

**Appendix A: Emissions Calculations  
Emissions Summary**

**Company Name: Dobson Construction Company, Inc.**  
**Address : 2635 S. Central Ave, Marion, IN 46953**  
**Permit Number: F053-24932-00044**  
**Reviewer: Meredith W. Jones**  
**Date: 8/16/07**

**\*\* summary of source emissions before controls \*\***

Criteria Pollutants:

<b>PM =</b>	<b>228.50 ton/yr</b>
<b>PM-10 =</b>	<b>215.20 ton/yr</b>
<b>SO2 =</b>	<b>0.02 ton/yr</b>
<b>NOx =</b>	<b>3.94 ton/yr</b>
<b>VOCs* =</b>	<b>2.09 ton/yr</b>
<b>CO =</b>	<b>3.31 ton/yr</b>

\*VOCs include HAPs from aggregate drying operation

**\*\* source emissions after controls \*\***

Pursuant to the FESOP program, this facility must limit PM-10 emissions to less than 100 tons per year.

	misc. combustion sources:	nonfugitive	
<b>PM =</b>	1.78E-05 ton/yr x	100% emitted after controls :	<b>1.78E-05 ton/yr</b>
<b>PM-10 =</b>	7.13E-05 ton/yr x	100% emitted after controls :	<b>7.13E-05 ton/yr</b>
	aggregate drying:	nonfugitive	
<b>PM =</b>	212.44 ton/yr x	30% emitted after controls :	<b>63.73 ton/yr</b>
<b>PM-10 =</b>	212.67 ton/yr x	30% emitted after controls :	<b>63.80 ton/yr</b>
<b>VOCs =</b>	2.09 ton/yr x	100% emitted after controls :	<b>2.09 ton/yr</b>
	conveying & handling:	fugitive	
<b>PM =</b>	0.90 ton/yr x	50% emitted after controls :	<b>0.45 ton/yr</b>
<b>PM-10 =</b>	0.42 ton/yr x	50% emitted after controls :	<b>0.21 ton/yr</b>
	unpaved roads:	fugitive	
<b>PM =</b>	16.65 ton/yr x	50% emitted after controls :	<b>8.33 ton/yr</b>
<b>PM-10 =</b>	4.24 ton/yr x	50% emitted after controls :	<b>2.12 ton/yr</b>
	storage piles:	fugitive	
<b>PM =</b>	0.009 ton/yr x	50% emitted after controls :	<b>0.0045 ton/yr</b>
<b>PM-10 =</b>	0.003 ton/yr x	50% emitted after controls :	<b>0.0015 ton/yr</b>

**\*\* summary of source emissions after controls \*\***

Criteria Pollutant:	Non-Fugitive	Fugitive	Total
<b>PM =</b>	63.73 ton/yr	8.78 ton/yr	<b>72.51 ton/yr</b>
<b>PM-10 =</b>	63.80 ton/yr	2.33 ton/yr	<b>66.13 ton/yr</b>
<b>SO2 =</b>	0.02 ton/yr	0.00 ton/yr	<b>0.02 ton/yr</b>
<b>NOx =</b>	3.94 ton/yr	0.00 ton/yr	<b>3.94 ton/yr</b>
<b>VOCs =</b>	2.09 ton/yr	0.00 ton/yr	<b>2.09 ton/yr</b>
<b>CO =</b>	3.31 ton/yr	0.00 ton/yr	<b>3.31 ton/yr</b>

**\*\* miscellaneous \*\***

**Compliance with 326 IAC 6-3-2 and 326 IAC 2-2**

Pursuant to 326 IAC 6-3-2, emissions limit for processing 100 tons/hr hot mix asphalt (more than 60,000 lbs/hr) is calculated as:

$$E = 55 * (P^{0.11}) - 40 \quad \text{Where:} \quad E = \text{Rate of emission in pounds per hour}$$

$$P = \text{Process weight rate in tons per hour}$$

Therefore, the allowable **PM** emission rate is 51.28 lbs/hr ( $55.0 * (100^{0.11}) - 40$ ). This is equivalent to 224.61 tons/yr, assuming 8760 hours of source operation.

The maximum controlled PM emission rate from asphalt mixing and drying is 63.73 tons/yr (14.55 lbs/hr).

$$63.73 \text{ (tons/yr)} * (2000 \text{ lbs/ton)} * (1 \text{ yr/ } 8760 \text{ hrs)} = 14.55 \text{ lbs/hr}$$

Because the controlled PM emission rate of 14.55 lbs/hr is less than the allowable PM emission rate of 51.28 lbs/hr, the source is able to comply with this limit when using a control device.

**Appendix A: Emissions Calculations  
Aggregate Dryer Burner  
Natural Gas Combustion**

**Company Name: Dobson Construction Company, Inc.  
Address : 2635 S. Central Ave, Marion, IN 46953  
Permit Number: F053-24932-00044  
Reviewer: Meredith W. Jones  
Date: 8/16/07**

Heat Input Capacity  
(MMBtu/hr)

Potential Throughput  
(MMCF/yr)

9.0

78.8

Emission Factor (lb/MMcf)	Pollutant					
	PM*	PM-10*	SO2	NOx	VOC	CO
	1.90	7.60	0.60	100.00	5.50	84.00
				**see below		
PTE (tons/yr)	0.07	0.30	0.02	3.94	0.22	3.31

\*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 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

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x (8760 hrs/yr) x (1 MMCF/1000 MMBtu)  
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 (SUPPLEMENT D 3/98)  
Emissions (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF) / (2000 lb/ton)

**Aggregate Dryer Burner  
Natural Gas Combustion  
HAPs Emissions**

Emission Factor (lb/MMcf)	HAPs - Organics						Total HAPs (tons/yr)
	Benzene	Ethylbenzene	Formaldehyde	Toluene	Total POM*	Xylene	
	3.9E-04	2.4E-04	3.1E-03	1.5E-04	1.9E-04	2.0E-04	
PTE (tons/yr)	1.708E-01	1.051E-01	1.358E+00	6.570E-02	8.3E-02	8.760E-02	1.87

\* Total POM includes 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Perylene, Phenanthrene, and Pyrene.

**Methodology:**

The above calculations determine the amount of HAP emissions created by aggregate drying before controls, based on 8760 hours of use and US EPA's AP-42, 5th Edition, Section 11.1 - Hot Mix Asphalt Plants, Table 11.1-10 for a drum mix natural gas-fired dryer.

PTE (tons/yr) = Emission Factor (lbs/ton) x 100 (tons/hr) x (8760 hrs/yr) x (2000 lbs/ 1 ton)

**Aggregate Drying: Drum Mix Plant**

The following calculations determine the amount of emissions created by drum mix aggregate drying based on actual operating data and particulate matter collection device data for 1996. Since the actual collection efficiency is unavailable for the PM control device (cyclone), an upper limit of 70% efficiency has been assumed. Per the applicant, both cold aggregate and asphalt cement are simultaneously introduced to the dryer. This type of operation reduces potential particulate emissions (as compared to sole use of the dryer for aggregate heating), giving the source the opportunity to meet applicable PM emission limits using only a cyclone.

<b>1996 Material Usage:</b>		<b>1996 Dust Collected at Cyclone</b>	
stone:	29,665.85 tons/yr	8 tons/yr	
sand:	15,080.65 tons/yr	70% (assumed collection efficiency)	
liquid asphalt:	2,394.55 tons/yr		
<b>total materials:</b>	<b>47,141.05 tons/yr</b>	<b>Potential Production Capacity:</b>	100 tons asphalt/hr

**Uncontrolled PM Emissions = 210.24 tons/yr  
Uncontrolled PM-10 Emissions\* = 210.24 tons/yr**

**Methodology:**

\*Since no actual test data has been provided showing the fraction of PM that is PM-10, all PM is assumed as PM-10.

Emissions Factor:

70% \* x = 8 tons/yr (dust collected by cyclone)  
x = 11.43 tons/yr (dust produced)

11.43 (tons/yr) \* (2000 lbs/ton) = 22,857 lbs/yr (dust produced)

Ef = 22,857 lbs/ 47,141.05 tons  
= 0.48 lbs/ ton

Uncontrolled Emissions (tons/yr) = 0.48 (lbs/ton) \* 100 (tons/hr) \* 8760 (hr/yr) \* (1 ton/ 2000 lbs)

**Appendix A: Emissions Calculations  
Storage**

**Company Name: Dobson Construction Company, Inc.**  
**Address: 2635 S. Central Ave, Marion, IN 46953**  
**Permit Number: F053-24932-00044**  
**Reviewer: Meredith W. Jones**  
**Date: 8/16/07**

The following calculations determine the amount of emissions created by wind erosion of storage stockpiles, based on 8760 hours of use and US EPA's AP-42 (Pre 1983 Edition), Section 11.2.3.

Material	Silt Content (wt %)	Pile Size (acres)	Storage Capacity (tons)	Pile Height (feet)	Emission Factor (lbs/ acre/ day)	PM Emissions (tons/ yr)	PM-10 Emissions (tons/ yr)
Sand	1.1	0.02	173	10	1.27	0.0018	0.0006
Limestone	1.2	0.01	161	10	1.39	0.0019	0.0007
Limestone	1.2	0.04	426	10	1.39	0.0050	0.0017
<b>Totals:</b>						<b>0.009</b>	<b>0.003</b>

**PM = 0.009 tons/yr**  
**PM-10 = 0.003 tons/yr** (35% of PM)

**Methodology:**

$$Ef \text{ (lbs/ acre/ day)} = 1.7 * (s/1.5) * [(365-p) / 235] * (f/15)$$

where s = silt content (wt%)  
p = 125 days per year with rainfall greater than or equal to 0.01 inches  
f = 15 % of wind greater than or equal to 12 mph

$$PTE \text{ (tons/yr)} = Ef * sc * (20 \text{ cuft/ton}) * (365 \text{ day/yr}) * (1 \text{ ton}/2000 \text{ lbs}) * (1 \text{ acre}/43,560 \text{ sqft}) * (1/\text{height})$$

where sc = storage capacity (tons)  
height = pile height (feet)

**Appendix A: Emissions Calculations  
Miscellaneous Combustion Sources**

This facility includes a 0.0003 MMBtu/hr hot oil heater combusting natural gas.

The following calculations determine the amount of emissions created by the combustion of natural gas @ 0.49 % sulfur, based on 8760 hours of use and US EPA's AP-42, 5th Edition, Section 1.4 - Natural Gas Combustion, Tables 1.4-1 and 1.4-2.

$$\text{Criteria Pollutant PTE (tons/ yr)} = \frac{0.0003 \text{ MMBtu/hr} * 8760 \text{ hr/yr}}{140,000 \text{ Btu/gal} * 2000 \text{ lb/ton}} * Ef \text{ (lb/1000 gal)}$$

<b>PM:</b>	1.9 lb/1000 gal =	<b>1.78E-05 ton/yr</b>
<b>PM-10:</b>	7.6 lb/1000 gal =	<b>7.13E-05 ton/yr</b>
<b>SO2:</b>	0.6 lb/1000 gal =	<b>5.63E-06 ton/yr</b>
<b>NOx:</b>	100.0 lb/1000 gal =	<b>9.39E-04 ton/yr</b>
<b>VOC:</b>	5.5 lb/1000 gal =	<b>5.16E-05 ton/yr</b>
<b>CO:</b>	84.0 lb/1000 gal =	<b>7.88E-04 ton/yr</b>

**Appendix A: Emissions Calculations  
Unpaved Roads**

**Company Name:** Dobson Construction Company, Inc.  
**Address:** 2635 S. Central Ave, Marion, IN 46953  
**Permit Number:** F053-24932-00044  
**Reviewer:** Meredith W. Jones  
**Date:** 8/16/07

The following calculations determine the amount of emissions created by vehicle traffic on unpaved roads, based on 8760 hours of use and US EPA's AP-42, 5th Edition, Section 13.2.2.2.

**I. Triaxle Dump Truck**

$$2.9 \text{ (trip/hr)} \times 0.057 \text{ (mile/trip)} \times 2 \text{ (round trip)} \times (8760 \text{ hr/yr}) = 2896.06 \text{ mile/yr}$$

$$E_f = k * [(s / 12)^a] * [(W / 3)^b] / [(M / 0.2)^c] * [(365-p) / 365]$$

= 1.04 lb PM-10/ vehicle mile traveled (VMT)  
 = 4.07 lb PM/ vehicle mile traveled (VMT)

where k = 1.5 particle size multiplier for PM-10  
 4.9 particle size multiplier for PM-30 (TSP)

s = 4.8 mean % silt content of unpaved roads  
 a = 0.9 constant for PM-10  
 0.7 constant for PM-30 (TSP)

W = 21 tons average vehicle weight  
 b = 0.45 constant for PM-10 and PM-30 (TSP)

M = 0.2 default % surface material moisture content for dry conditions  
 c = 0.2 constant for PM-10  
 0.3 constant for PM-30 (TSP)

p = 125 number of days per year with at least 0.01 in. of precipitation

<b>PM-10:</b>	1.04	(lb/ VMT) x	2896.06	(VMT/ yr)	/	2000	(lbs/ ton)	=	<b>1.50</b>	<b>tons/ yr</b>
<b>PM:</b>	4.07	(lb/ VMT) x	2896.06	(VMT/ yr)	/	2000	(lbs/ ton)	=	<b>5.90</b>	<b>tons/ yr</b>

**II. Front End Loader**

$$11.7 \text{ (trip/hr)} \times 0.023 \text{ (mile/trip)} \times 2 \text{ (round trip)} \times (8760 \text{ hr/yr}) = 4714.63 \text{ mile/yr}$$

$$E_f = k * [(s / 12)^a] * [(W / 3)^b] / [(M / 0.2)^c] * [(365-p) / 365]$$

= 1.16 lb PM-10/ vehicle mile traveled (VMT)  
 = 4.56 lb PM/ vehicle mile traveled (VMT)

where k = 1.5 particle size multiplier for PM-10  
 4.9 particle size multiplier for PM-30 or TSP

s = 4.8 mean % silt content of unpaved roads  
 a = 0.9 constant for PM-10  
 0.7 constant for PM-30 or TSP

W = 27 tons average vehicle weight  
 b = 0.45 constant for PM-10 and PM-30 (TSP)

M = 0.2 default % surface material moisture content for dry conditions  
 c = 0.2 constant for PM-10  
 0.3 constant for PM-30 (TSP)

p = 125 number of days per year with at least 0.01 in. of precipitation

<b>PM-10:</b>	1.16	(lb/ VMT) x	4714.63	(VMT/ yr)	/	2000	(lbs/ ton)	=	<b>2.74</b>	<b>tons/ yr</b>
<b>PM:</b>	4.56	(lb/ VMT) x	4714.63	(VMT/ yr)	/	2000	(lbs/ ton)	=	<b>10.75</b>	<b>tons/ yr</b>

<b>Total PM-10 Emissions From Unpaved Roads</b>	=	<b>4.24 tons/ yr</b>
<b>Total PM Emissions From Unpaved Roads</b>	=	<b>16.65 tons/ yr</b>