



Mitchell E. Daniels, Jr.  
Governor

Thomas W. Easterly  
Commissioner

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

TO: Interested Parties / Applicant  
DATE: September 15, 2005  
RE: Dave O'Mara Contractor, Inc. / 143-20944-03192  
FROM: Paul Dubenetzky  
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, Room 1049, 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.dot 1/10/05



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
*We make Indiana a cleaner, healthier place to live.*

---

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September 15, 2005

Amy Boswell  
Dave O'Mara Contractor, Inc.  
1100 O & M Avenue - P.O. Box 1139  
North Vernon, Indiana 47265

Re: 143-20944-03192  
First Significant Revision to  
FESOP 143-15294-03192

Dear Amy Boswell:

Dave O'Mara Contractor, Inc. was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. 143-15294-03192 on June 20, 2003 for a stationary hot mix asphalt batch plant located at Junction SR 203S & SR 56, Scottsburg, IN 47170. The Office of Air Quality (OAQ) received a letter from Dave O'Mara Contractor, Inc. on March 16, 2005 notifying the OAQ that the source will be repairing or replacing several emission units. The actual emissions of criteria pollutants and hazardous air pollutants (HAPs) will not change as a result of the repairs and replacements. The replacement units will comply with the same applicable requirements and permit terms and conditions as the units being replaced. The following units are being replaced or repaired:

- (a) one (1) existing 150 ton asphalt storage silo will be replaced with two (2) salvaged 150 ton asphalt storage silos and the cold aggregate feed system, the hot oil heater, and the baghouse will be replaced with salvaged units of the same size and capacity.
- (b) the existing rotary aggregate dryer/mixer unit will be repaired by replacing the existing mixing drum with a salvaged drum with no increase in actual emissions. This repair to the existing dryer/mixer unit is not considered a modification, as defined by 326 IAC 1-2-42, since it does not result in an increase in the potential or actual emissions of any regulated pollutant or HAP, is not the construction of a new dryer/mixer unit, and is not a reconstruction, as defined by 326 IAC 1-2-65, of the existing dryer/mixer unit. This repair is also not considered a modification or reconstruction, as defined by 40 CFR 60.14 and 40 CFR 60.15, respectively. No change to the permit is necessary for this repair.

Upon further review of the permit, OAQ determined that the permit required revising for the following reasons:

- (a) Fugitive volatile organic compound (VOC), hazardous air pollutant (HAP), and particulate matter (PM) emissions from Silo Storage, Load Out, On-Site Yard, and Storage Tanks needed to be included in the source's potential to emit (PTE).
- (b) Establishment of a Prevention of Significant Deterioration (PSD) limit for the aggregate dryer and mixer and batch tower was necessary to limit the source-wide particulate matter (PM) emissions to less than 250 tons per year and to make the requirements of 326 IAC 2-2 not applicable.
- (c) To correct typographical errors, to clarify several conditions in Sections B, C, and D.1, and to add language to Section B that addressed credible evidence.

Additional requests were submitted by Dave O'Mara Contractor, Inc. requesting to add the use of No. 4 used oil with a maximum sulfur content of 0.5% as an alternative fuel to the existing aggregate dryer.

The source requested that the permit limit the sulfur content of the No. 4 used oil to 0.5% and to limit the usage of No. 4 used oil to 596,000 gallons per year. The source also requested that the VOC solvent usage limit be lowered to 72 tons per year in order to incorporate fugitive VOC, HAP, and PM emissions.

Pursuant to the provisions of 326 IAC 2-8-11.1(g)(2), these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision procedures of 326 IAC 2-8-11.1(f). Pursuant to the provisions of 326 IAC 2-8-11.1, a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions  
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit  
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this modification and the following revised permit to the front of the original permit. This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Nathan Bell, 100 North Senate Avenue, Indianapolis, Indiana, 46204, at 317-234-3350 or at 1-800-451-6027 (ext 43350).

Sincerely,

Original signed by

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

ncb

Attachments: Technical Support Document and revised permit

cc: File - Scott County  
U.S. EPA, Region V  
Scott County Health Department  
Air Compliance Section Inspector - Jennifer Schick  
Compliance Data Section  
Administrative and Development  
Technical Support and Modeling



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## FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) OFFICE OF AIR QUALITY

**Dave O'Mara Contractor, Inc.  
Junction SR 203 South & SR 56  
Scottsburg, Indiana 47170**

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

This permit is issued 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.

Operation Permit No.: F143-15294-03192	
Issued by: Original signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: June 20, 2003  Expiration Date: June 20, 2008
First Significant Permit Revision No: 143-20944-03192	Conditions Affected: A.1, A.2, A.3, B.11, B.19, B.21, B.23, B.24, C.1, C.2, C.10, C.11, C.14, C.16, C.17, C.20, D.1.1 through D.1.4, D.1.7 through D.1.15, and D.2.1; Fuel Oil Sulfur Content Quarterly Report; Fuel Usage Quarterly Report; and Single Liquid Binder Solvent Quarterly Report.
Issued by: Original signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: September 15, 2005

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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 mix asphalt batch plant.

Authorized Individual:	Controller
Source Address:	Junction SR 203S & SR 56, Scottsburg, Indiana 47170
Mailing Address:	1100 East O & M Avenue, North Vernon, Indiana 47265
General Source Phone:	(812) 346-4135
SIC Code:	2951
Source Location Status:	Scott
County Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) 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:

- (a) one (1) rotary aggregate dryer and mixer capable of processing 180 tons per hour of raw material, equipped with one (1) 66.0 million British thermal units per hour (MMBtu) burner fired with No. 2 diesel fuel oil or No. 4 used oil;
- (b) one (1) asphalt batch tower with a maximum capacity of 180 tons per hour of raw material, consisting of a hot aggregate elevator, screen, hot aggregate bins and weigh hopper, liquid asphalt weigh hopper, pug mill mixer, skip hoist car and rail conveyor, and two (2) 150 ton capacity asphalt mix storage bins;
- (c) one (1) jetpulse baghouse, identified as Unit ID 12, installed in 2005, controlling particulate matter emissions from the aggregate dryer and mixer and batch tower, exhausting to one (1) stack, identified as SV-1; and
- (d) cold-mix (stockpile mix) asphalt storage piles.

### 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, as defined in 326 IAC 2-7-1(21):

- (a) one (1) No. 2 diesel fuel oil fired hot oil heater, installed in 2005, with a maximum rated capacity of 2.2 million British thermal units per hour, exhausting at one (1) stack identified as SV9;
- (b) one (1) cold aggregate feed system, installed in 2005, consisting of four (4) cold aggregate feeder bins with a total capacity of 160 tons and one (1) belt conveyor;
- (c) one (1) liquid asphalt emulsion storage tank with a maximum storage capacity of 11,000 gallons, exhausting at one (1) stack identified as SV2;

- (d) three (3) liquid asphalt storage tanks with maximum storage capacities of 15,000 gallons, 7,000 gallons and 7,000 gallons, each exhausting at one (1) stack respectively identified as SV3, SV4, and SV5;
- (e) three (3) storage tanks for storage of No. 2 diesel fuel oil or No. 4 used oil with maximum storage capacities of 10,000 gallons, 3,000 gallons and 3,000 gallons, each exhausting at one (1) stack respectively identified as SV21, SV22, and SV23;
- (f) unpaved roads with public access; and
- (g) one (1) quality assurance laboratory.

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).

A.5 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either
  - (1) incorporated as originally stated,
  - (2) revised, or
  - (3) deletedby this permit.
- (b) All previous registrations and permits are superseded by this permit.

## SECTION B

## GENERAL CONDITIONS

### B.1 Permit No Defense [IC 13]

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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.

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

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Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2, and 326 IAC 2-7) shall prevail.

### B.3 Permit Term [326 IAC 2-8-4(2)] [326 IAC 2-1.1-9.5]

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This permit 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.

### B.4 Enforceability [326 IAC 2-8-6]

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

### B.5 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.6 Severability [326 IAC 2-8-4(4)]

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

### B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

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

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- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "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.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

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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.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

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- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:

- (1) Enforcement action;
  - (2) Permit termination, revocation and reissuance, or modification; and
  - (3) Denial of a permit renewal application.
- (b) 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.
- (c) 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.

B.11 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.12 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 in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

- (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, IDEM, OAQ may require to determine the compliance status of the source.

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

**B.13 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]**

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- (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) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

**B.14 Emergency Provisions [326 IAC 2-8-12]**

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- (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 describes 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 No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,  
Telephone No.: 317-233-5674 (ask for Compliance Section)  
Facsimile No.: 317-233-5967

- (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, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

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

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), 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, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

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 need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "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]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP 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 the "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 the "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, P.O. Box 6015  
Indianapolis, IN 46206-6015

- (b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]
  - (1) A timely renewal application is one that is:
    - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
    - (B) 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.
  - (2) If IDEM, OAQ upon receiving a timely and complete 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.
- (c) Right to Operate After Application for Renewal [326 IAC 2-8-9]

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 needed to process the application.

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

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- (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, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

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

- (c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]
- (d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

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

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- (a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without 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 emissions allowable under 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, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

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 which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to 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 increases and decreases in emissions in 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 Permit Revision Requirement [326 IAC 2-8-11.1]**

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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]**

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

- (a) Enter upon the Permittee's premises where a 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, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

The application which shall be submitted by the Permittee does require the certification by the "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]

- (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]

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

### Emissions 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 [40 CFR 52 Subpart P] [326 IAC 6-3-2]

- (a) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.
- (b) 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), and 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. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.
  - (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) 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.
- (c) 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]

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

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

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

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

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

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

---

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 12, 1996. The plan is included as Attachment A.

C.8 Operation of Equipment [326 IAC 2-8-5(a)(4)]

---

Except as otherwise provided by statute, rule or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.9 Stack Height [326 IAC 1-7]

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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.10 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, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

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 the "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. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

#### **C.11 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, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "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 the "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.12 Compliance Requirements [326 IAC 2-1.1-11]**

---

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

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

#### **C.13 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 upon issuance of this permit. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.

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

#### **C.14 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]**

---

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.15 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]**

---

- (a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (" 2%) of full scale reading.
- (b) Whenever a condition in this permit requires the measurement of a temperature, or flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (" 2%) of full scale reading.
- (c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.
- (d) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

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

#### **C.16 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.17 Compliance Response Plan - Preparation, Implementation, Records, and Reports  
[326 IAC 2-8-4] [326 IAC 2-8-5]

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- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:
- (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.
  - (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.
- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
- (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or
  - (2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.
  - (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.
  - (4) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
- (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
  - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.
  - (3) An automatic measurement was taken when the process was not operating.
  - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.

- (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.
- (e) The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

**C.18 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4]  
[326 IAC 2-8-5]**

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall 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 and 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 the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

**C.19 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]**

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

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- (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 the "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, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

- (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 the "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.21 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

## FACILITY OPERATION CONDITIONS

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

- (a) one (1) rotary aggregate dryer and mixer capable of processing 180 tons per hour of raw material, equipped with one (1) 66.0 million British thermal units per hour (MMBtu) burner fired with No. 2 diesel fuel oil or No. 4 used oil;
- (b) one (1) asphalt batch tower with a maximum capacity of 180 tons per hour of raw material, consisting of a hot aggregate elevator, screen, hot aggregate bins and weigh hopper, liquid asphalt weigh hopper, pug mill mixer, skip hoist car and rail conveyor, and two (2) 150 ton capacity asphalt mix storage bins; and
- (c) one (1) jetpulse baghouse, identified as Unit ID 12, installed in 2005, controlling particulate matter emissions from the aggregate dryer and mixer and batch tower, exhausting to one (1) stack, identified as SV-1.

(The information describing the process contained in this facility 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 Matter 10 Microns (PM10) [326 IAC 2-8-4] [326 IAC 2-2]

Pursuant to 326 IAC 2-8-4, PM10 emissions from the aggregate mixing and drying operation shall not exceed 0.1085 pound of PM10 per ton of asphalt mix equivalent to 19.54 pounds per hour, based on a maximum throughput of 180 tons of asphalt mix per hour, including both filterable and condensable fractions. Based on 8,760 hours of operation per 12 consecutive month period, this limits PM-10 emissions from the aggregate mixing and drying operation to 85.58 tons per year for a source-wide total potential to emit of less than 100 tons per year. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply. This limit will also render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

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

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the aggregate mixing and drying operation shall not exceed 57.37 pounds per hour when operating at a process weight rate of 180 tons per hour. The pounds per hour limitation was calculated using the following equation:

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

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

- (b) Particulate emissions from the aggregate mixing and drying operation shall not exceed 0.236 pounds per ton of asphalt produced, based on a maximum capacity of 180 tons of asphalt per hour. This limit is required to limit the potential to emit of particulate matter (PM) to less than 250 tons per 12 consecutive month period. This limit will render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

#### D.1.3 Sulfur Dioxide (SO<sub>2</sub>) [326 IAC 7-1.1-1][326 IAC 7-2-1]

- (a) Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide (SO<sub>2</sub>) emissions from the 66.0 million Btu per hour burner for the aggregate dryer shall be limited to 0.5 pounds per million Btu heat input when using distillate oil (including No. 2 diesel fuel oil) and 1.6 pounds per million Btu heat input when using residual oil (including No. 4 used oil).

- (b) Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

Compliance with Condition D.1.4 will also satisfy Condition D.1.3.

#### D.1.4 Fuel Limitations [326 IAC 2-8-4] [326 IAC 2-2]

- (a) Pursuant to 326 IAC 2-8-4(1), the maximum sulfur content of the No. 2 diesel fuel oil used in the 66.0 MMBtu per hour burner for the aggregate dryer shall be limited to 0.05%, so that SO<sub>2</sub> emissions from the source are limited to less than 100 tons per year.
- (b) Pursuant to 326 IAC 2-8-4(1), the maximum sulfur content and maximum fuel usage of the No. 4 used oil used in the 66.0 MMBtu per hour burner for the aggregate dryer shall be limited to 0.5% and 596,000 gallons per 12 consecutive months, so that SO<sub>2</sub> emissions from the combustion of No. 4 used oil are limited to less than 22.4 tons per year and less than 1.6 pounds per million Btu heat input, and so that SO<sub>2</sub> emissions from the source are limited to less than 100 tons per year.

Compliance with these limits shall be demonstrated at the end of each calendar month. Therefore, the requirements of 326 IAC 2-7 will not apply. These limits will also render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

#### D.1.5 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.1.6 Particulate Control

In order to comply with Conditions D.1.1 and D.1.2, the baghouse for PM and PM<sub>10</sub> control shall be in operation and control emissions from the batch mix dryer/burner at all times that the batch mix dryer/burner is in operation.

#### D.1.7 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

To demonstrate compliance with the PM and PM<sub>10</sub> emission limits established in Conditions D.1.1 and D.1.2, the Permittee shall perform PM and PM-10 testing on the aggregate mixer/dryer baghouse stack exhaust utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from August 31, 2000. PM-10 includes filterable and condensable PM-10. Testing shall be conducted in accordance with Section C- Performance Testing.

#### D.1.8 Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate compliance with D.1.4 by:
  - (1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification; or
  - (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
    - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

- (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the 66.0 MMBtu per hour burner for the aggregate dryer, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

#### D.1.9 Used Oil Requirements [329 IAC 13-8] [329 IAC 13-3-2]

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Pursuant to 329 IAC 13-8-1 (Used Oil Burners Who Burn Off-specification Used Oil For Energy Recovery), used oil burned for energy recovery that does not meet the specification requirements in 329 IAC 13-3-2 (Used Oil Specifications) shall comply with the provisions of 329 IAC 13-8, including:

- (1) Receipt of an EPA identification number as outlined in 329 IAC 13-8-3 (Notification),
- (2) Compliance with the used oil storage requirements specified in 329 IAC 13-8-5 (Used Oil Storage), and
- (3) Maintain records pursuant to 329 IAC 13-8-6 (Tracking).

Pursuant to 329 IAC 13-3-2, once used oil has been shown not to exceed the specification requirements of 329 IAC 13-3-2 and the person making the showing complies with 329 IAC 13-9-3, 329 IAC 13-9-4, and 329 IAC 13-9-5(b), the used oil is no longer subject to 329 IAC 13. The burning of mixtures of used oil and hazardous waste that is regulated by 329 IAC 3.1 is prohibited at this source.

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

#### D.1.10 Visible Emissions Notations

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- (a) Visible emission notations of the batch mix dryer/burner baghouse stack exhaust, conveyors, and transfer points, shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

#### D.1.11 Parametric Monitoring

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The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the aggregate dryer, mixer, and burner, at least once per shift when the aggregate dryer, mixer, and burner are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 8.0 inches of water or a range established during

the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

#### D.1.12 Baghouse Inspections

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- (a) An inspection shall be performed each calendar quarter of all bags controlling the aggregate dryer, mixer, and burner with no two (2) inspections conducted in consecutive months. All defective bags shall be replaced.
- (b) Inspections required by this condition shall not prevent the Permittee from conducting additional voluntary inspections provided that the requirements of this condition are met.

#### D.1.13 Broken or Failed Bag Detection

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In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then 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)] [326 IAC 2-8-16]**

#### D.1.14 Record Keeping Requirements

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- (a) To document compliance with Conditions D.1.3 and D.1.4, the Permittee shall maintain records in accordance with (1) through (4) below. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
  - (1) Actual No. 4 used oil usage in the 66.0 MMBtu per hour burner for the aggregate dryer per month since last compliance determination period, and the sulfur content of each delivery of No. 4 used oil or No. 2 diesel oil;
  - (2) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel oil combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

- (3) The name of the fuel supplier; and
- (4) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

- (b) The Permittee shall maintain records sufficient to verify compliance with the procedures specified in condition D.1.8. Records shall be maintained for a period of five (5) years and shall be made available upon request by IDEM.
- (c) To document compliance with Condition D.1.10, the Permittee shall maintain records of the once per shift visible emission notations of the drum mix dryer/burner baghouse stack exhaust, conveyors, and transfer points.
- (d) To document compliance with Condition D.1.11, the Permittee shall maintain once per shift records of the total static pressure drop during normal operation.
- (e) To document compliance with Condition D.1.12, the Permittee shall maintain records of the results of the inspections required under Condition D.1.12 and the dates the vents are redirected.
- (f) To document compliance with Condition D.1.7, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (g) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### D.1.15 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.4 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

## SECTION D.2

## FACILITY OPERATION CONDITIONS

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

(d) cold-mix (stockpile mix) asphalt storage piles.

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

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

#### D.2.1 Volatile Organic Compound (VOC) [326 IAC 8-5-2] [326 IAC 2-8-4] [326 IAC 2-2]

- (a) Pursuant to 326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving), the use of cutback asphalt or asphalt emulsion shall not contain more than seven percent (7%) oil distillate by volume of emulsion for any paving application except the following purposes:
- (1) penetrating prime coating
  - (2) stockpile storage
  - (3) application during the months of November, December, January, February and March.
- (b) The VOC solvent usage as cut back diluent in the liquid binder used in cold mix asphalt production shall be limited such that VOC emissions shall not exceed 72.0 tons per twelve (12) consecutive months. This shall be achieved by limiting the total VOC solvent usage of any one selected binder to not exceed the stated limit above for that binder during the last twelve (12) months. When more than one binder is used, the formula in (c)(4) must be applied so that the total VOC emitted does not exceed 72.0 tons per twelve (12) consecutive month period, based on the following liquid binder definitions:
- (1) Cut back asphalt rapid cure, containing a maximum of 25.3% of the liquid binder by weight of VOC solvent and 95% by weight of VOC solvent evaporating.
  - (2) Cut back asphalt medium cure, containing a maximum of 28.6% of the liquid binder by weight of VOC solvent and 70% by weight of VOC solvent evaporating.
  - (3) Cut back asphalt slow cure, containing a maximum of 20% of the liquid binder by weight of VOC solvent and 25% by weight of VOC solvent evaporating.
- (c) The liquid binder used in cold mix asphalt production shall be limited as follows:
- (1) Cutback asphalt rapid cure liquid binder usage shall not exceed 75.79 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.
  - (2) Cutback asphalt medium cure liquid binder usage shall not exceed 102.86 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.
  - (3) Cutback asphalt slow cure liquid binder usage shall not exceed 288.00 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.
  - (4) The VOC solvent allotments in subpart (c)(1) through (c)(3) of this condition shall be adjusted when more than one type of binder is used per twelve (12) month consecutive period. In order to determine the tons of VOC emitted per each type of binder, use the following formula and divide the tons of VOC solvent used for each type of binder by the corresponding adjustment ratio listed in the table that follows.

$$\frac{\text{Tons of solvent contained in binder}}{\text{Adjustment ratio}} = \text{tons of VOC emitted}$$

Type of binder	tons VOC solvent	adjustment ratio	tons VOC emitted
cutback asphalt rapid cure		1	
cutback asphalt medium cure		1.36	
cutback asphalt slow cure		3.8	

The equivalent total tons of VOC of the combined liquid binders shall be less than 72.0 tons per twelve (12) consecutive month period rolled on a monthly basis. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply. This limit will also render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

### **Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]**

#### **D.2.2 Record Keeping Requirements**

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To document compliance with Condition D.2.1(b), the Permittee shall maintain records in accordance with (a) through (d) below. Records maintained for (a) through (d) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC emission limits established in Condition D.2.1(b).

- (a) Calendar dates covered in the compliance determination period;
- (b) Cutback asphalt binder usage per month since the last compliance determination period;
- (c) VOC solvent content by weight of the cutback asphalt binder used each month; and
- (d) Amount of VOC solvent used in the production of cold mix asphalt, and the amount of VOC emitted each month.

All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### **D.2.3 Reporting Requirements**

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A quarterly summary of the information to document compliance with Condition D.2.1(b) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

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

Source Name: Dave O'Mara Contractor, Inc.  
Source Address: Junction SR 203 South & SR 56, Scottsburg, Indiana 47170  
Mailing Address: 1100 East O & M Avenue, North Vernon, Indiana 47265  
FESOP No.: F143-15294-03192

**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  
P.O. Box 6015  
100 North Senate Avenue  
Indianapolis, Indiana 46206-6015  
Phone: 317-233-5674  
Fax: 317-233-5967**

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

Source Name: Dave O'Mara Contractor, Inc.  
Source Address: Junction SR 203 South & SR 56, Scottsburg, Indiana 47170  
Mailing Address: 1100 East O & M Avenue, North Vernon, Indiana 47265  
FESOP No.: F143-15294-03192

**This form consists of 2 pages**

**Page 1 of 2**

**9** This is an emergency as defined in 326 IAC 2-7-1(12)  
☐ The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and  
☐ The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16

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 BRANCH**

**Fuel Oil Sulfur Content Quarterly Report**

Source Name: Dave O'Mara Contractor, Inc.  
 Source Address: Junction SR 203 South & SR 56, Scottsburg, Indiana 47170  
 Mailing Address: 1100 East O & M Avenue, North Vernon, Indiana 47265  
 FESOP No.: F143-15294-03192  
 Facility: Aggregate Dryer Burner  
 Parameter: SO2  
 Limit: (a) the maximum sulfur content of the No. 2 diesel fuel oil used in the 66.0 MMBtu per hour burner for the aggregate dryer shall be limited to 0.05%, so that SO<sub>2</sub> emissions are limited to less than 100 tons per year.  
 (b) the maximum sulfur content of the No. 4 used oil used in the 66.0 MMBtu per hour burner for the aggregate dryer shall be limited to 0.5%, so that SO<sub>2</sub> emissions while burning No. 4 used oil are limited to less than 22.4 tons per year.

Month: \_\_\_\_\_ Year: \_\_\_\_\_

Date of Fuel Oil Delivery	Type of Fuel Oil	Sulfur Content of Fuel Oil (% by weight)	Date of Fuel Oil Delivery	Type of Fuel Oil	Sulfur Content of Fuel Oil (% by weight)
1			17		
2			18		
3			19		
4			20		
5			21		
6			22		
7			23		
8			24		
9			25		
10			26		
11			27		
12			28		
13			29		
14			30		
15			31		
16					

9 No deviation occurred in this reporting period.  
 9 Deviation/s occurred in this reporting period.  
 Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature: \_\_\_\_\_

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

Attach a signed certification to complete this report.

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

**No. 4 Fuel Usage Quarterly Report**

Source Name: Dave O'Mara Contractor, Inc.  
 Source Address: Junction SR 203 South & SR 56, Scottsburg, Indiana 47170  
 Mailing Address: 1100 East O & M Avenue, North Vernon, Indiana 47265  
 FESOP No.: F143-15294-03192  
 Facility: Aggregate Dryer Burner  
 Parameter: SO2  
 Limit: Usage of No. 4 used oil with a sulfur content of 0.5% or less in the 66.0 MMBtu per hour aggregate dryer burner shall be limited to 596,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each, so that SO2 emissions while burning No. 4 used oil are limited to less than 22.4 tons per year.

Year: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	No.4 used oil Usage This Month (tons)	No.4 used oil Usage Previous 11 Months (tons)	No.4 used oil Usage 12 Month Total (tons)
Month 1			
Month 2			
Month 3			

- 9 No deviation occurred in this reporting period.
- 9 Deviation/s occurred in this reporting period.  
 Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature: \_\_\_\_\_

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

Attach a signed certification to complete this report.

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

**Single Liquid Binder Solvent Quarterly Report**

Source Name: Dave O'Mara Contractor, Inc.  
Source Address: Junction SR 203 South & SR 56, Scottsburg, Indiana 47170  
Mailing Address: 1100 East O & M Avenue, North Vernon, Indiana 47265  
FESOP No.: F143-15294-03192  
Facility: Cold-mix asphalt storage piles  
Parameter: VOC  
Limit: Cutback asphalt rapid cure liquid binder usage shall not exceed 75.79 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis. Cutback asphalt medium cure liquid binder usage shall not exceed 102.86 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis. Cutback asphalt slow cure liquid binder usage shall not exceed 288.00 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.

YEAR: \_\_\_\_\_

**The following liquid binder solvent was the only liquid binder solvent used over the previous 12 month period:** \_\_\_\_\_ **Limit applicable:** \_\_\_\_\_

(use of more than one binder requires the use of the "Multiple Liquid Binder Solvents" report form)

Month	Column 1	Column 2	Column 1 + Column 2
	Liquid Binder Usage This Month (tons)	Liquid Binder Usage Previous 11 Months (tons)	Liquid Binder Usage 12 Month Total (tons)
Month 1			
Month 2			
Month 3			

- 9 No deviation occurred in this reporting period.
- 9 Deviation/s occurred in this reporting period.  
Deviation has been reported on:

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature: \_\_\_\_\_

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

Attach a signed certification to complete this report.

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

**Multiple Liquid Binder Solvent Quarterly Report**

Source Name: Dave O'Mara Contractor, Inc.  
 Source Address: Junction SR 203 South & SR 56, Scottsburg, Indiana 47170  
 Mailing Address: 1100 East O & M Avenue, North Vernon, Indiana 47265  
 FESOP No.: F143-15294-03192  
 Facility: Cold-mix asphalt storage piles  
 Parameter: VOC  
 Limit:: 92.50 tons per year  
 Year:

Month	Type of Liquid binder	Solvent Usage This Month (tons)	Divisor	VOC emitted This Month (tons) for each solvent	VOC emitted This Month (tons)	VOC emitted Previous 11 Months (tons)	This month + Previous 11 months =VOC emitted 12 Month Total(tons)
Month 1	Cutback asphalt rapid cure		1				
	Cutback asphalt medium cure		1.36				
	Cutback asphalt slow cure		3.8				
	Emulsified asphalt		2.04				
	other asphalt		38				
Month 2	Cutback asphalt rapid cure		1				
	Cutback asphalt medium cure		1.36				
	Cutback asphalt slow cure		3.8				
	Emulsified asphalt		2.04				
	other asphalt		38				
Month 3	Cutback asphalt rapid cure		1				
	Cutback asphalt medium cure		1.36				
	Cutback asphalt slow cure		3.8				
	Emulsified asphalt		2.04				
	other asphalt		38				

- 9 No deviation occurred in this reporting period.
- 9 Deviation/s occurred in this reporting period.

Deviation has been reported on:

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Title / Position: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Signature: \_\_\_\_\_

Attach a signed certification to complete 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: Dave O'Mara Contractor, Inc.  
Source Address: Junction SR 203 South & SR 56, Scottsburg, Indiana 47170  
Mailing Address: 1100 East O & M Avenue, North Vernon, Indiana 47265  
FESOP No.: F143-15294-03192

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

Page 1 of 2

<b>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. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do 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".</b>	
<input checked="" type="radio"/> <b>NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.</b>	
<input checked="" type="radio"/> <b>THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD</b>	
<b>Permit Requirement (specify permit condition #)</b>	
<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 (specify permit condition #)</b>	
<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 (specify permit condition #)</b>	
<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 (specify permit condition #)</b>	
<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 (specify permit condition #)</b>	
<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.**

## ATTACHMENT A

### ASPHALT PLANT SITE FUGITIVE DUST CONTROL PLAN

Fugitive particulate matter emissions from paved roads, unpaved roads, and parking lots shall be controlled by one or more of the following methods:

- (a) Fugitive particulate matter emissions from paved roads, unpaved roads, and parking lots shall be controlled by one or more of the following methods:

Paved roads and parking lots:

- (1) cleaning by vacuum sweeping on an as needed basis (monthly at a minimum)
- (2) power brooming while wet either from rain or application of water.

Unpaved roads and parking lots:

- (1) paving with asphalt;
- (2) treating with emulsified asphalt;
- (3) watering;
- (4) double chip and seal the road surface.

- (b) Fugitive particulate matter emissions from aggregate stockpiles shall be controlled by one or more of the following methods on an as needed basis:

- (1) maintaining minimum size and number of stock piles of aggregate;
- (2) treating around the stockpile area with emulsified asphalt;
- (3) treating around the stockpile area with water;
- (4) treating the stockpiles with water.

- (c) Fugitive particulate matter emissions from outdoor conveying of aggregates shall be controlled by the following method on an as needed basis:

- (1) applying water at the feed and the intermediate points.

- (d) Fugitive particulate matter emissions from the transfer of aggregates shall be controlled by one of the following methods:

- (1) minimize the vehicular distance between transfer points;
- (2) enclose the transfer points;
- (3) apply water on transfer points on an as needed basis.

- (e) Fugitive particulate matter emissions from transportation of aggregate by truck, front end loader, etc. shall be controlled by one of the following methods:

- (1) tarping the aggregate hauling vehicles;
- (2) maintain vehicle bodies in a condition to prevent leakage;
- (3) spray the aggregates with water;
- (4) maintain a 10 MPH speed limit in the yard.

- (f) Fugitive particulate matter emissions from the loading and unloading of aggregate shall be controlled by one of the following methods:

- (1) reduce free fall distance to a minimum;
- (2) reduce the rate of discharge of the aggregate;
- (3) spray the aggregate with water on an as needed basis.

# Indiana Department of Environmental Management Office of Air Quality

## Technical Support Document (TSD) for a Significant Permit Revision to a Federally Enforceable State Operating Permit

### Source Background and Description

<b>Source Name:</b>	<b>Dave O'Mara Contractor, Inc.</b>
<b>Source Location:</b>	<b>Junction SR 203S &amp; SR 56, Scottsburg, IN 47170</b>
<b>County:</b>	<b>Scott</b>
<b>SIC Code:</b>	<b>2951</b>
<b>Operation Permit No.:</b>	<b>F143-15294-03192</b>
<b>Operation Permit Issuance Date:</b>	<b>June 20, 2003</b>
<b>Significant Permit Revision No.:</b>	<b>143-20944-03192</b>
<b>Permit Reviewer:</b>	<b>Nathan C. Bell</b>

### History

Dave O'Mara Contractor, Inc. was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. 143-15294-03192 on June 20, 2003 for a stationary hot mix asphalt batch plant located at Junction SR 203S & SR 56, Scottsburg, IN 47170. The Office of Air Quality (OAQ) received a letter from Dave O'Mara Contractor, Inc. on March 16, 2005 notifying the OAQ that the source will be repairing or replacing several emission units. The actual emissions of criteria pollutants and hazardous air pollutants (HAPs) will not change as a result of the repairs and replacements. The replacement units will comply with the same applicable requirements and permit terms and conditions as the units being replaced. The following units are being replaced or repaired:

- (a) one (1) existing 150 ton asphalt storage silo will be replaced with two (2) salvaged 150 ton asphalt storage silos and the cold aggregate feed system, the hot oil heater, and the baghouse will be replaced with salvaged units of the same size and capacity.
- (b) the existing rotary aggregate dryer/mixer unit will be repaired by replacing the existing mixing drum with a salvaged drum with no increase in actual emissions. This repair to the existing dryer/mixer unit is not considered a modification, as defined by 326 IAC 1-2-42, since it does not result in an increase in the potential or actual emissions of any regulated pollutant or HAP, is not the construction of a new dryer/mixer unit, and is not a reconstruction, as defined by 326 IAC 1-2-65, of the existing dryer/mixer unit. This repair is also not considered a modification or reconstruction, as defined by 40 CFR 60.14 and 40 CFR 60.15, respectively. No change to the permit is necessary for this repair.

Upon further review of the permit, OAQ determined that the permit required revising for the following reasons:

- (a) Fugitive volatile organic compound (VOC), hazardous air pollutant (HAP), and particulate matter (PM) emissions from Silo Storage, Load Out, On-Site Yard, and Storage Tanks needed to be included in the source's potential to emit (PTE).
- (b) Establishment of a Prevention of Significant Deterioration (PSD) limit for the aggregate dryer and mixer and batch tower was necessary to limit the source-wide particulate matter (PM) emissions to less than 250 tons per year and to make the requirements of 326 IAC 2-2 not applicable.
- (c) To correct typographical errors, to clarify several conditions in Sections B, C, and D.1, and to add language to Section B that addressed credible evidence.

Additional requests were submitted by Dave O'Mara Contractor, Inc. requesting to add the use of No. 4 used oil with a maximum sulfur content of 0.5% as an alternative fuel to the existing aggregate dryer. The source requested that the permit limit the sulfur content of the No. 4 used oil to 0.5% and to limit the usage of No. 4 used oil so that SO<sub>2</sub> emissions are limited to less than 25 tons per year. The source also requested that the VOC solvent usage limit be lowered to 72 tons per year in order to incorporate fugitive VOC, HAP, and PM emissions.

### **New Emission Units and Pollution Control Equipment Receiving New Source Review Approval**

The application includes information relating to the construction and operation of the following:

- (a) one (1) jetpulse baghouse, identified as Unit ID 12, installed in 2005, controlling particulate matter emissions from the aggregate dryer and mixer and batch tower, exhausting to one (1) stack, identified as SV-1; and
- (b) one (1) No. 2 diesel fuel oil fired hot oil heater, installed in 2005, with a maximum rated capacity of 2.2 million British thermal units per hour, exhausting at one (1) stack identified as SV9;
- (c) one (1) cold aggregate feed system, installed in 2005, consisting of four (4) cold aggregate feeder bins with a total capacity of 160 tons and one (1) belt conveyor;
- (d) Two (2) hot mix asphalt storage silos, installed in 2005, each with a maximum storage capacity of 150 tons.

### **Modified Emission Units and Pollution Control Equipment**

The application includes information relating to the modification of the following equipment:

- (a) one (1) rotary aggregate dryer, with a capacity of 66 million British thermal units per hour (MMBtu/hr), with the capability to fire No. 2 diesel fuel oil or No. 4 used oil, using a baghouse as control, and exhausting at stack S1.
- (b) three (3) storage tanks for storage of No. 2 diesel fuel oil or No. 4 used oil with maximum storage capacities of 10,000 gallons, 3,000 gallons and 3,000 gallons, each exhausting at one (1) stack respectively identified as SV21, SV22, and SV23;

### **Existing Approvals**

The source was issued a renewed FESOP F143-15294-03192 on June 20, 2003.

### **Enforcement Issue**

There are no enforcement actions pending.

### **Recommendation**

The staff recommends to the Commissioner that the Significant Permit Revision, 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 March 16, 2005. Additional permit changes were requested by the source on July 5, 2005, July 8, 2005, August 3, 2005, and August 5, 2005.

## Changes To The Source

- (a) Replacing the one (1) existing asphalt storage silo with two (2) salvaged asphalt storage silos, and replacing the cold aggregate feed system, the hot oil heater, and the baghouse with salvaged units of the same size and capacity.
  - (1) These changes are considered modifications, as defined by 326 IAC 1-2-42, to the source, since they are each considered construction of new emission units that have the potential to emit any regulated pollutant. These changes will not result in the replacement of the entire hot-mix asphalt production process and will not result in an increase in the actual emissions of criteria pollutants or HAPs (326 IAC 2-8-10(a)(13)).
  - (2) These changes are not considered a modification, as defined by 40 CFR 60.14, to the hot mix asphalt plant, since the changes will not result in an increase in the emission rate to the atmosphere of any pollutant to which a standard applies [40 CFR 60.14(a)]. The net emission increase due to these replacements is zero.
  - (3) These changes are not considered a reconstruction, as defined by 40 CFR 60.15 and 326 IAC 1-2-65, of the hot mix asphalt plant, since the fixed capital costs of the replacement units described above do not exceed 50 percent of the fixed capital cost that would be required to construct a comparable entirely new facility.
- (b) Storage and use of No. 4 used oil in the existing aggregate dryer.
  - (1) This change is considered a modification, as defined by 326 IAC 1-2-42, to the source, since it is an operational change that increases the potential to emit of any regulated pollutant.
  - (2) This change is not considered a modification, as defined by 40 CFR 60.14, to the hot mix asphalt plant, since the existing aggregate dryer was designed to accommodate No. 4 used oil as an alternative fuel [40 CFR 60.14(e)(4)].
- (c) Inclusion of fugitive VOC, HAP, and PM emissions from Silo Storage, Load Out, On-Site Yard, and Storage Tanks in the source's PTE.
  - (1) Inclusion of the fugitive VOC, HAP, and PM emissions from Silo Storage, Load Out, On-Site Yard, and Storage Tanks is not considered a modification, as defined by 326 IAC 1-2-42, to the source, since these emissions already exist at the source and will not increase. These emissions were inadvertently left out of the source's PTE in the previously issued permit.
  - (2) This change is not considered a modification, as defined by 40 CFR 60.14, to the hot mix asphalt plant, since the change will not result in an increase in the emission rate to the atmosphere of any pollutant to which a standard applies [40 CFR 60.14(a)]. These emissions already existed at the source and will not increase. These emissions were inadvertently left out of the source's PTE in the previously issued permit.

## Emission Calculations

- (a) The Technical Support Document (TSD) for the FESOP Renewal No. F143-15294-03192 contains emission calculations for the cold aggregate feed system, hot oil heater, and baghouse replacement units. See item f below for emission calculations for the two (2) asphalt storage silo replacement units. The actual emissions of criteria pollutants and HAPs will not change as a result of these replacement units. The replacement units will comply with the same applicable requirements and permit terms and conditions as the units being

replaced. A table summarizing the potential to emit from these replacement units is provided below (See Potential To Emit of Modification After Limits/Controls).

- (b) Combustion of No. 4 used oil in the 66 MMBtu/hr aggregate dryer (Modification)

Heat Capacity of No. 4 used oil = 140 MMBtu/kgal

Pursuant to 326 IAC 7-1.1-2, the SO<sub>2</sub> emissions from No. 4 used oil would be limited to 1.6 lb SO<sub>2</sub>/MMBtu. **However, the source has requested that the sulfur content of the No. 4 used oil be limited to 0.5% and to limit the usage of No. 4 used oil so that potential emissions of SO<sub>2</sub> while burning No. 4 used oil are limited to less than 22.4 tons per year.**

**Limited Weight % Sulfur, S = 0.5% sulfur by weight**

The AP-42 emission factor for combustion of No. 4 used oil is 150\*S lb SO<sub>2</sub>/kgal, where S is the percent sulfur content by weight. With the sulfur content of the No. 4 used oil limited to 0.5%, the No. 4 used oil shall be limited as follows:

**Limited PTE for No. 4 used oil < 22.4 tons SO<sub>2</sub> per year**

$$\begin{aligned} \text{Limited Usage} &= (22.4 \text{ tons SO}_2/\text{yr}) * (2000 \text{ lb/ton}) / (150 * 0.5 \text{ lb SO}_2/\text{kgal}) \\ &= \mathbf{596 \text{ kgal/yr No. 4 used oil}} \end{aligned}$$

The AP-42 emission factors for combustion of No. 4 used oil are greater than those for No. 2 fuel oil (see Appendix A). Therefore, to determine the potential to emit from burning No. 4 used oil and No. 2 fuel oil within the same year, it is assumed that the source will burn 596 kgal of No. 4 oil for the following number of hours per year:

$$\begin{aligned} \text{Assumed Hours Using No. 4 Used Oil} &= (596 \text{ kgal}) * (140 \text{ MMBtu/kgal}) / (66 \text{ MMBtu/hr}) \\ &= \mathbf{1264.2 \text{ hours per year} *} \end{aligned}$$

\*Note: The assumed hours of operation above is not a limit, but just an assumption for determining the potential emissions from burning No. 4 used oil and No. 2 fuel oil within the same year.

- (c) Combustion of No. 2 diesel fuel oil in the 66 MMBtu/hr aggregate dryer (Existing)

Heat Capacity of No. 2 diesel fuel oil = 140 MMBtu/kgal

Potential throughput = (66 MMBtu/hr)\*(8760 hr/yr) / (140 MMBtu/kgal) = 4130 kgal/yr

Pursuant to 326 IAC 7-1.1-2, the SO<sub>2</sub> emissions from No. 2 diesel fuel oil would be limited to 0.5 lb SO<sub>2</sub>/MMBtu. **However, the existing permit limits the fuel oil used in the aggregate dryer to a fuel sulfur content of 0.05%.**

**Limited Weight % Sulfur, S = 0.05% sulfur by weight**

- (d) Combustion of No. 2 diesel fuel oil in the 66 MMBtu/hr aggregate dryer (Modification)

To determine the potential to emit from burning No. 4 used oil and No. 2 fuel oil within the same year, it is assumed that the source will burn No. 2 fuel oil for the following number of hours per year:

$$\begin{aligned} \text{Assumed Hours Using No. 2 Fuel Oil} &= (8760 - 1264.2) \text{ hours per year} \\ &= \mathbf{7495.8 \text{ hours per year} *} \end{aligned}$$

\*Note: The assumed hours of operation above is not a limit, but just an assumption for determining the potential emissions from burning No. 4 used oil and No. 2 fuel oil within the same year.

- (e) For detailed emissions calculations for emission of all other criteria pollutants and HAPs from the aggregate dryer, see Appendix A, pages 1 to 4.
- (f) Storage of No. 2 Diesel Fuel Oil and No. 4 Used Oil  
  
 Using the Environmental Protection Agency's (EPA) TANKS Version 4.09b program, it was determined that storage of No. 2 diesel fuel oil or No. 4 used oil at this source would have negligible potential emissions of VOCs and HAPs.
- (g) Fugitive VOC, HAP, and PM emissions from Silo Storage, Load Out, On-Site Yard, and Storage Tanks were calculated using EPA's Compilation of Air Pollutant Emission Factors, AP-42, Chapter 11 for Hot Mix Asphalt Plants (see Appendix A, pages 1-4).

**Potential To Emit of Modification After Issuance for Modification**

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA."

This table reflects the potential to emit (PTE) after controls, reflecting all limits of the emission units, for the modification. Any control equipment is considered enforceable only after issuance of the FESOP and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Modification	Potential to Emit (PTE) (tons/year) After Limits/Controls							
	PM	PM-10	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Worst HAP	Total HAPs
conveying and handling of aggregate	1.53	0.73	0	0	0	0	0	0
hot oil heater	0.14	0.23	4.75	1.38	0.02	0.34	negl.	negl.
Net emission increase for storage of No. 4 used oil and use of No. 4 used oil in the aggregate dryer.	0.01	0.01	20.23	0	0	0	0	0
Fugitive VOC emissions from Silo Storage, Load Out, On-Site Yard, and Storage Tanks	0.87	0.87	0	0	13.51	2.27	0.07 (Formaldehyde)	0.23
Total Net Emission Increase for Modification	2.56	1.84	24.98	1.38	13.53	2.62	0.07 (Formaldehyde)	0.23

- (a) This modification to an existing minor Title V stationary source would change the minor status because the emissions from the entire source would be equal to or greater than the Title V major source threshold level of 100 tons per year of VOCs. Therefore, the source would be subject to the provisions of 326 IAC 2-7. The source agrees to limit VOCs emissions from the entire source to below Title V levels and, consequently, the source will be issued a FESOP.
- (b) Fugitive Emissions  
 This source is a stationary source category that, as of August 7, 1980, is being regulated under Section 111 or 112 of the Clean Air Act. Therefore, the fugitive particulate matter (PM)

and volatile organic compound (VOC) emissions are counted toward determination of PSD and Emission Offset applicability.

### Justification for Modification

The FESOP is being modified through a Significant Permit Revision. This revision is being performed pursuant to 326 IAC 2-8-11.1(g)(2). Any modifications that require an adjustment to the emission cap limitations shall be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-8-11.1(f).

### County Attainment Status

The source is located in Scott County.

Pollutant	Status
PM10	Attainment or Unclassifiable
PM2.5	Attainment or Unclassifiable
SO <sub>2</sub>	Attainment
NO <sub>2</sub>	Attainment or Unclassifiable
1-Hour Ozone	Attainment or Unclassifiable
8-Hour Ozone	Attainment or Unclassifiable
CO	Attainment or Unclassifiable
Lead	Attainment or Unclassifiable

- (a) Volatile organic compounds (VOC) and Nitrogen Oxides (NO<sub>x</sub>) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO<sub>x</sub> emissions are considered when evaluating the rule applicability relating to the ozone standard. Scott County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions and NO<sub>x</sub> were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (b) Scott County has been classified as unclassifiable or attainment for PM<sub>2.5</sub>. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM<sub>2.5</sub> emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for PM<sub>2.5</sub> emissions, it has directed states to regulate PM<sub>10</sub> emissions as surrogate for PM<sub>2.5</sub> emissions. See the State Rule Applicability – Entire Source section.
- (c) Scott County has been classified as attainment or unclassifiable for all the other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (d) Fugitive Emissions  
This source is a stationary source category that, as of August 7, 1980, is being regulated under Section 111 or 112 of the Clean Air Act. Therefore, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are counted toward determination of PSD and Emission Offset applicability.

**Potential to Emit of Source After Issuance for Entire Source**

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 the 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 After Issuance (tons/year)						
	PM	PM-10	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	HAPs
aggregate dryer and batch tower	186.0 <sup>(1)</sup>	85.58 <sup>(2)</sup>	34.89 <sup>(3)</sup>	41.30	6.71	10.32	6.01
conveying and handling of aggregate <sup>(4)</sup>	1.53	0.73	--	--	--	--	--
unpaved roads (fugitive dust) <sup>(5)</sup>	60.30	12.46	--	--	--	--	--
hot oil heater (insignificant)	0.14	0.23	4.75	1.38	0.02	0.34	negl.
cold mix storage <sup>(6)</sup>	--	--	--	--	72.0 <sup>(6)</sup>	--	--
load-out, silo filling, on-site yard, and storage tanks (Modification)	0.87	0.87	0	0	13.51	2.27	0.23
<b>Total PTE After Issuance</b>	<b>248.84</b>	<b>99.87</b>	<b>39.64</b>	<b>42.68</b>	<b>92.24</b>	<b>12.93</b>	<b>6.24</b>
Title V Major Threshold Level	NA	100	100	100	100	100	10 (single) 25 (total)
PSD Major Threshold Level	250	250	250	250	250	250	NA

NA = Not applicable; negl. = negligible

- (1) In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the maximum allowable PM emissions from the asphalt plant shall not exceed 0.236 pounds per ton of asphalt produced, based on a maximum capacity of 180 tons of asphalt per hour. This limit is required to limit the PTE of particulate matter (PM) to less than 250 tons per 12 consecutive month period.
- (2) In order to comply with 326 IAC 2-8 (FESOP), the maximum allowable PM10 emissions from the asphalt plant shall not exceed 0.1085 pounds per ton of asphalt produced, based on a maximum capacity of 180 tons of asphalt per hour. This limit is required to limit the PTE of particulate matter (PM) to less than 100 tons per 12 consecutive month period.
- (3) In order to comply with 326 IAC 2-8 (FESOP), the maximum sulfur content of the No. 2 diesel fuel oil used in the 66.0 MMBtu/hr aggregate dryer shall be limited to 0.05%. The source has requested that the sulfur content of No. 4 used oil be limited to 0.50% and the usage of No. 4 used oil be limited to 596 kgal per twelve (12) consecutive month period.
- (4) Uncontrolled potential to emit.
- (5) Potential to emit after controls.
- (6) In order to comply with 326 IAC 2-8 (FESOP), the maximum allowable VOC emissions from the cold mix storage shall not exceed 72.0 tons per 12 consecutive month period.

- (a) This modification to an existing minor PSD stationary source will not change the PSD minor status because the emissions from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

**Federal Rule Applicability (Modification)**

- (a) This source is not subject to the requirements of 40 CFR 63, Subpart DDDDD, (63.7480 through 63.7575), NESHAPs for Industrial, Commercial, and Institutional Boilers and Process Heaters, because the source is not a major source of HAPs.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP)(326 IAC 14, 20 and 40 CFR Part 61, 63) included for this modification.

- (c) The continuous hot-mix asphalt plant, constructed in 1973, is not subject to the requirements of 326 IAC 12 or 40 CFR 60, Subpart I (60.90 through 60.93), Standards of Performance for Hot Mix Asphalt Facilities. This rule applies to each hot mix asphalt plant comprised of the units listed under 40 CFR 60.90(a) that commences construction or modification after June 11, 1973. The changes to the source described in this TSD are not considered a modification to the hot mix asphalt plant as defined by 40 CFR 60.14, since:
- (1) Replacing the one (1) existing asphalt storage silo with two (2) salvaged asphalt storage silos, and replacing the cold aggregate feed system, the hot oil heater, and the baghouse with salvaged units of the same size and capacity will not result in an increase in the emission rate to the atmosphere of any pollutant to which a standard applies [40 CFR 60.14(a)].
  - (2) The existing aggregate dryer was designed to accommodate No. 4 used oil as an alternative fuel [40 CFR 60.14(e)(4)]; and
  - (3) Inclusion of fugitive VOC, HAP, and PM emissions from Silo Storage, Load Out, On-Site Yard, and Storage Tanks in the source's PTE will not result in an increase in the emission rate to the atmosphere of any pollutant to which a standard applies [40 CFR 60.14(a)]. These emissions already existed at the source and will not increase. These emissions were inadvertently left out of the source's PTE in the previously issued permit. In addition, the processes/units from which these fugitive emissions are emitted from are not considered components of the affected facility, as defined by 40 CFR 60.90(a).
- (d) This modification is not subject to the requirements of 326 IAC 12 or 40 CFR 60, Subpart Kb (60.110b through 60.117b), Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, because the one (1) 10,000 gallon and two (2) 3,000 gallon storage tanks each have a storage capacity less than seventy-five (75) cubic meters (19,815 gallons).
- (e) There are no other New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included for this modification.

### **State Rule Applicability**

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

This minor PSD stationary source was constructed in 1973, prior to the rule applicability date of August 7, 1980 and is not one of the 28 listed source categories. This modification to an existing minor PSD stationary source will not change the PSD minor status because the emissions from the entire source will continue to be less than the PSD major source threshold levels (see Potential to Emit for Modification after Issuance for the Modification Table on page 7). Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply to this modification.

#### **326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAPs))**

The source was constructed prior to July 27, 1997. Therefore, it was not subject to 326 IAC 2-4.1. The requirements of 326 IAC 2-4.1 are not applicable to this modification, since the potential to emit of any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year.

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

This source, which is located in Scott County, is not subject to 326 IAC 2-6 (Emission Reporting), because it is not required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program.

326 IAC 2-8-4 (FESOP)

This source is subject to 326 IAC 2-8-4 (FESOP). Pursuant to this rule, the following limits shall apply:

- (a) The VOC solvent usage as cut back diluent in the liquid binder used in cold mix asphalt production shall be limited such that VOC emissions shall not exceed 72.0 tons per twelve (12) consecutive months. This shall be achieved by limiting the total VOC solvent usage of any one selected binder to not exceed the stated limit above for that binder during the last twelve (12) months. When more than one binder is used, the formula in (c)(4) must be applied so that the total VOC emitted does not exceed 72.0 tons per twelve (12) consecutive month period, based on the following liquid binder definitions:
  - (1) Cut back asphalt rapid cure, containing a maximum of 25.3% of the liquid binder by weight of VOC solvent and 95% by weight of VOC solvent evaporating.
  - (2) Cut back asphalt medium cure, containing a maximum of 28.6% of the liquid binder by weight of VOC solvent and 70% by weight of VOC solvent evaporating.
  - (3) Cut back asphalt slow cure, containing a maximum of 20% of the liquid binder by weight of VOC solvent and 25% by weight of VOC solvent evaporating.
- (c) The liquid binder used in cold mix asphalt production shall be limited as follows:
  - (1) Cutback asphalt rapid cure liquid binder usage shall not exceed 75.79 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.
  - (2) Cutback asphalt medium cure liquid binder usage shall not exceed 102.86 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.
  - (3) Cutback asphalt slow cure liquid binder usage shall not exceed 288.00 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.
  - (4) The VOC solvent allotments in subpart (c)(1) through (c)(3) of this condition shall be adjusted when more than one type of binder is used per twelve (12) month consecutive period. In order to determine the tons of VOC emitted per each type of binder, use the following formula and divide the tons of VOC solvent used for each type of binder by the corresponding adjustment ratio listed in the table that follows.

$$\frac{\text{Tons of solvent contained in binder}}{\text{Adjustment ratio}} = \text{tons of VOC emitted}$$

Type of binder	tons VOC solvent	adjustment ratio	tons VOC emitted
cutback asphalt rapid cure		1	
cutback asphalt medium cure		1.36	
cutback asphalt slow cure		3.8	

The equivalent total tons of VOC of the combined liquid binders shall be less than **72.0** tons per twelve (12) consecutive month period rolled on a monthly basis.

- (b) PM10 emissions from the aggregate mixing and drying operation shall not exceed 0.1085 pound of PM10 per ton of asphalt mix equivalent to 19.54 pounds per hour, based on a maximum throughput of 180 tons of asphalt mix per hour, including both filterable and condensable fractions. Based on 8,760 hours of operation per 12 consecutive month period, this limits PM-10 emissions from the aggregate mixing and drying operation to 85.58 tons per year for a source-wide total potential to emit of less than 100 tons per year. The source will comply with the PM-10 emission limit by utilizing a baghouse for controlling PM-10 emissions to less than 19.54 pounds per hour from the aggregate mixing and drying operation.
- (c) In order to limit the emissions of SO<sub>2</sub> from the aggregate dryer burner to less than 22.4 tons per year, the sulfur content of No. 4 used oil shall be limited to 0.50% and the usage of No. 4 used oil shall be limited to 596,000 gallons per twelve (12) consecutive month period. This limit will also ensure that the entire source SO<sub>2</sub> emissions do not exceed 100 tons per year when burning No. 4 used oil. Pursuant to FESOP No. 143-15294-03192, the sulfur content of No. 2 diesel fuel oil is limited to 0.05% in order to limit SO<sub>2</sub> emissions from the source to less than 100 tons per year.

Therefore, these limits will render the requirements of 326 IAC 2-7 (Part 70) not applicable. These limits will also render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

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

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

- (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 6-1-2 (County Specific Particulate Matter Limitations: Asphalt Concrete Plants)

This source is not subject to the requirements of 326 IAC 6-1-2, since it is located in Scott County.

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

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

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

This source 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 the following:

- (a) Fugitive particulate matter emissions from paved roads, unpaved roads, and parking lots shall be controlled by one or more of the following methods:

Paved roads and parking lots:

- (1) cleaning by vacuum sweeping on an as needed basis (monthly at a minimum)
- (2) power brooming while wet either from rain or application of water.

- Unpaved roads and parking lots:
- (1) paving with asphalt;
  - (2) treating with emulsified asphalt;
  - (3) watering;
  - (4) double chip and seal the road surface.
- (b) Fugitive particulate matter emissions from aggregate stockpiles shall be controlled by one or more of the following methods on an as needed basis:
- (1) maintaining minimum size and number of stock piles of aggregate;
  - (2) treating around the stockpile area with emulsified asphalt;
  - (3) treating around the stockpile area with water;
  - (4) treating the stockpiles with water.
- (c) Fugitive particulate matter emissions from outdoor conveying of aggregates shall be controlled by the following method on an as needed basis:
- (1) applying water at the feed and the intermediate points.
- (d) Fugitive particulate matter emissions from the transfer of aggregates shall be controlled by one of the following methods:
- (1) minimize the vehicular distance between transfer points;
  - (2) enclose the transfer points;
  - (3) apply water on transfer points on an as needed basis.
- (e) Fugitive particulate matter emissions from transportation of aggregate by truck, front end loader, etc. shall be controlled by one of the following methods:
- (1) tarping the aggregate hauling vehicles;
  - (2) maintain vehicle bodies in a condition to prevent leakage;
  - (3) spray the aggregates with water;
  - (4) maintain a 10 MPH speed limit in the yard.
- (f) Fugitive particulate matter emissions from the loading and unloading of aggregate shall be controlled by one of the following methods:
- (1) reduce free fall distance to a minimum;
  - (2) reduce the rate of discharge of the aggregate;
  - (3) spray the aggregate with water on an as needed basis.

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 produces emulsified asphalt on a limited basis. It is only manufactured during the winter months and is in compliance with 326 IAC 8-5-2.

**State Rule Applicability – Aggregate Dryer**

326 IAC 6-2 (Particulate Emissions from Indirect Heating Units)

The aggregate dryer is not subject to 326 IAC 6-2, since it is not a source of indirect heating.

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

The requirements of 326 IAC 6-3-2 are applicable to the aggregate mixing and drying operation. Pursuant to 326 IAC 6-3-2, the particulate matter from the aggregate mixing and drying operation shall not exceed 57.37 pounds per hour, based on a process weight rate of 180 tons of hot mix asphalt per hour.

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

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

The baghouse shall be in operation at all times the batch mix dryer/burner is in operation, in order to comply with this limit.

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

The requirements of 326 IAC 8-1-6 are not applicable, since the aggregate dryer does not have the potential to emit greater than twenty-five (25) tons of VOCs per year.

### 326 IAC 7-1.1-2 (Sulfur Dioxide Limitations)

The aggregate dryer is subject to the requirements of 326 IAC 7-1.1-2, since it has an unlimited potential to emit of sulfur dioxide (SO<sub>2</sub>) greater than twenty-five (25) tons per year. Pursuant to this rule, sulfur dioxide emissions from the combustion of fuel oil in the aggregate dryer shall be limited to 0.5 lb/MMBtu heat input for No. 2 fuel oil and 1.6 lb/MMBtu heat input for No. 4 used oil. The source has requested that the aggregate dryer continue to be limited to a fuel sulfur content of 0.05% for No. 2 fuel oil (equivalent to 0.051 lb SO<sub>2</sub>/MMBtu) and 0.50% for No. 4 used oil (equivalent to 0.536 lb SO<sub>2</sub>/MMBtu) (See Emission Calculations section).

### 326 IAC 7-2-1 (Sulfur Dioxide Compliance: reporting and methods to determine compliance)

This source is subject to 326 IAC 7-2-1. This rule requires the source to submit to the Office of Air Quality upon request records of sulfur content, heat content, fuel consumption, and sulfur dioxide emission rates based on a calendar-month average.

### 329 IAC 13-8 (Used Oil Requirements)

- (a) Pursuant to 329 IAC 13-3-2 (Used Oil Specifications), used oil (including No. 4 used oil) burned for energy recovery that is classified as off-specification used oil fuel shall comply with the provisions of 329 IAC 13-8 (Used Oil Burners Who Burn Off-specification Used Oil For Energy Recovery), including:
  - (1) Receipt of an EPA identification number as outlined in 329 IAC 13-8-3 (Notification),
  - (2) Compliance with the used oil storage requirements specified in 329 IAC 13-8-5 (Used Oil Storage), and
  - (3) Maintain records pursuant to 329 IAC 13-8-6 (Tracking).
- (b) The No. 4 used oil burned in the aggregate dryer shall comply with the used oil requirements specified in 329 IAC 13 (Used Oil Management). The burning of mixtures of used oil and hazardous waste that is regulated by 329 IAC 3.1 is prohibited at this source.

### **State Rule Applicability – Hot Oil Heater**

#### 326 IAC 4-2-2 (Incinerators)

The hot oil heater are not an incinerator, as defined by 326 IAC 1-2-34, since it does not burn waste substances. Therefore, the hot oil heater is not subject to 326 IAC 4-2-2.

#### 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating)

The 2.2 MMBtu/hr hot oil heater is subject to the requirements of 326 IAC 6-2-4, since it is a source of indirect heating, was installed after September 21, 1983, and is located in Scott County. Pursuant to 326 IAC 6-2-4(a), the particulate matter emissions from the hot oil heater shall not exceed 0.6 lb/MMBtu, since it has a maximum operating capacity rating of less than 10 MMBtu/hr. The hot oil heater has a potential to emit particulate matter as follows:

$$\text{PTE} = (0.14 \text{ ton/yr PM}) * (2000 \text{ lb/ton}) / (8760 \text{ hr/yr}) * (2.2 \text{ MMBtu/hr}) = 0.015 \text{ lb/MMBtu PM}$$

Therefore, the hot oil heater will comply with this rule.

#### 326 IAC 7-1.1-2 (Sulfur Dioxide Limitations)

The hot oil heater is not subject to the requirements of 326 IAC 7-1.1-2, because the potential and the actual emission of sulfur dioxide are less than twenty-five (25) tons per year and ten (10) pounds per hour respectively.

### **State Rule Applicability - Hot Asphalt Mix Storage Silos**

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

Pursuant to 326 IAC 6-3-1(b)(14), each of the hot asphalt mix storage silos is exempt from the requirements of 326 IAC 6-3, because the potential particulate emissions are less than five hundred fifty-one thousandths (0.551) pound per hour.

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

The requirements of 326 IAC 8-1-6 are not applicable, since the hot asphalt mix storage silos do not have the potential to emit greater than twenty-five (25) tons of VOCs per year.

### **State Rule Applicability - Fuel Oil Storage Tanks**

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

The requirements of 326 IAC 8-1-6 are not applicable to each of the fuel oil storage tanks, since each of the storage tanks does not have the potential to emit greater than twenty-five (25) tons of VOCs per year.

#### 326 IAC 8-4-3 (Volatile Organic Compounds; Petroleum Liquid Storage Facilities)

The each of the fuel oil storage tanks is not subject to the requirements of 326 IAC 8-4-3, since they each have a storage capacity less than thirty-nine thousand (39,000) gallons.

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

The each of the fuel oil storage tanks is not subject to the requirements of 326 IAC 8-9, because the source is located in Scott County.

## 326 IAC 12 (New Source Performance Standards)

Each of the fuel oil storage tanks is not subject to the requirements of 326 IAC 12 or 40 CFR 60, Subpart Kb (60.110b through 60.117b), Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, because the one (1) 10,000 gallon and two (2) 3,000 gallon storage tanks each have a storage capacity less than seventy-five (75) cubic meters (19,815 gallons).

### Testing Requirements

All testing requirements from previous approvals were incorporated into this FESOP.

To demonstrate compliance with the PM and PM<sub>10</sub> emission limits established in Conditions D.1.1 and D.1.2 of the permit, the Permittee shall perform PM and PM-10 testing on the aggregate mixer/dryer baghouse stack exhaust utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from August 31, 2000. PM-10 includes filterable and condensable PM-10.

Previous stack tests to comply with this requirement were conducted on August 31, 2000.

### Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less 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 requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also 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:

1. The aggregate mixer/dryer stack exhaust, conveyors, and transfer points have applicable compliance monitoring conditions as specified below:
  - (a) Visible emissions notations of the aggregate dryer stack exhaust, conveyors, and transfer points, shall be performed once per shift during normal daylight operations. A trained employee will record whether emissions are normal or abnormal. 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. 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. 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. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response

Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

- (b) The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the aggregate dryer, mixer, and burner, at least once per shift when the aggregate dryer, mixer, and burner are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.
- (c) An inspection shall be performed each calendar quarter of all bags controlling the aggregate dryer, mixer, and burner with no two (2) inspections conducted in consecutive months. All defective bags shall be replaced. Inspections required by this condition shall not prevent the Permittee from conducting additional voluntary inspections provided that the requirements of this condition are met.
- (d) In the event that bag failure has been observed:
  - (1) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.
  - (2) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then 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).

These monitoring conditions are necessary because the baghouse for the aggregate mixer, dryer, and burner must operate properly to ensure compliance with 326 IAC 6-3 (Particulate Emissions Limitations), and 326 IAC 2-8 (FESOP), and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)).

**Changes to the FESOP Due to This Revision:**

Each of the changes made to permit are described below:

- (a) Revised Section A.1 in order to clarify the Source Status;
- (b) Added No. 4 used oil as an alternate fuel for the aggregate dryer burner to Sections A.2 and D.1;
- (c) Replaced existing asphalt mix bin with two (2) used 150 tons asphalt mix storage bins in Sections A.2 and D.1;
- (d) Replaced existing baghouse with one (1) used jetpulse baghouse in Sections A.2 and D.1;
- (e) Replaced existing hot oil heater with one (1) used hot oil heater in Sections A.2 and D.1;
- (f) Replaced existing cold aggregate feed system with one (1) used cold aggregate feed system in Sections A.2 and D.1;
- (g) Revised fuel oil storage tank descriptions to allow storage of No. 2 diesel fuel oil or No. 4 used oil in Sections A.2 and D.1;
- (h) Revised Conditions B.11, B.19, B.21, and B.23 to add clarification, allow fuel switches in the aggregate burner, to add an additional rule citation, and to correct typographical errors, respectively;
- (i) Added a new condition to Section B addressing credible evidence. Indiana was required to incorporate credible evidence provisions into state rules consistent with the SIP call published by U.S. EPA in 1997 (62 FR 8314). Indiana has incorporated the credible evidence provision in 326 IAC 1-1-6. This rule is effective March 16, 2005; therefore, the condition reflecting this rule was incorporated into the permit;
- (j) Revised Conditions C.1, C.2, C.10, C.11, C.14, C.16, C.17, and C.20 to further clarify the requirements of conditions in Section C and to correct typographical errors;
- (k) Revised Condition D.1.1 to state that the PM10 emission limit will render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable;
- (l) Revised Condition D.1.2 in order to add a PSD limit for particulate matter (PM) emissions from the aggregate mixing and drying operation;
- (m) Revised Condition D.1.3 in order to add the requirements of 326 IAC 7-1.1 and 326 IAC 7-2-1 when burning No. 4 used oil in the aggregate dryer burner;
- (n) Revised Condition D.1.4 in order to add sulfur content and fuel usage limitation for No. 4 used oil. Revised Condition D.1.4 to state that compliance with the these limits will render 326 IAC 2-2 (PSD) not applicable;
- (o) Revised Condition D.1.7 in order to clarify that the testing requirements for PM and PM-10 shall be repeated at least once every five (5) years from August 31, 2000 and that PM-10 includes filterable and condensable PM-10;
- (p) Revised Condition D.1.8 to cite Condition D.1.4, thereby removing redundancy;

- (q) Added new Condition D.1.9 containing the requirements of 329 IAC 13-8, Used Oil Requirements, when the source is burning No. 4 used oil in the aggregate dryer burner;
- (r) Renumber conditions, as necessary;
- (s) Revised Conditions D.1.10, Visible Emissions Notations and Condition D.1.11, Parametric Monitoring, to clarify that failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit (i.e., not a violation of the permit);
- (t) Revised Condition D.1.14, Record Keeping Requirements, in order to clarify the requirements when burning No. 4 used oil and to further clarify the record retention requirements;
- (u) Updated references to conditions, as necessary;
- (v) Revised Condition D.2.1 to include updated VOC solvent usage limits and to state that these limits will render 326 IAC 2-2 (PSD) not applicable;
- (w) Revised the Fuel Oil Sulfur Content Quarterly Report text and table to include No. 4 used oil;
- (x) Added a No. 4 Fuel Usage Quarterly Report for No. 4 used oil;
- (y) Revised the Single Liquid Binder Solvent Quarterly Report to include updated VOC solvent usage limits;

As described above, the following changes have been made to the permit, with deleted language as ~~strikeouts~~ and new language **bolded**

A.1 General Information [326 IAC 2-8-3(b)]

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

Source Status: Federally Enforceable State Operating Permit (FESOP)  
~~Major~~ **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:

- (a) one (1) rotary aggregate dryer and mixer capable of processing 180 tons per hour of raw material, equipped with one (1) 66.0 million British thermal units per hour (MMBtu) **burner fired with No. 2 diesel fuel** ~~oil-fuel-fired burner~~ **or No. 4 used oil**;
- (b) one (1) asphalt batch tower with a maximum capacity of 180 tons per hour of raw material, consisting of a hot aggregate elevator, screen, hot aggregate bins and weigh hopper, liquid asphalt weigh hopper, pug mill mixer, skip hoist car and rail conveyor, and ~~a~~ **two (2)** 150 ton capacity asphalt mix storage bins; and
- (c) one (1) jetpulse baghouse, identified as Unit ID 12, **installed in 2005**, controlling particulate matter emissions from the aggregate dryer and mixer and batch tower, exhausting to one (1) stack, identified as SV-1;

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

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) one (1) No. 2 diesel fuel oil fired hot oil heater, **installed in 2005**, with a maximum rated capacity of 2.2 million British thermal units per hour, exhausting at one (1) stack identified as SV9;
- (b) one (1) cold aggregate feed system, **installed in 2005**, consisting of four (4) cold aggregate feeder bins with a total capacity of 160 tons and one (1) belt conveyor;
- (e) three (3) ~~No. 2 diesel fuel oil~~ storage tanks **for storage of No. 2 diesel fuel oil or No. 4 used oil** with maximum storage capacities of 10,000 gallons, 3,000 gallons and 3,000 gallons, each exhausting at one (1) stack respectively identified as SV21, SV22, and SV23;

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

- (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.**

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

- (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.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]

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]

- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-42320 (ask for OAQ, ~~IM~~ & 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]

**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.**

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds Per Hour [40 CFR 52 Subpart P] [326 IAC 6-3-2]

- (b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt by **under 326 IAC 6-3-1(b) or (c)**~~already regulated by 326 IAC 6-3-2(b) through (d)~~, and 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]

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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. **This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.**

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

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(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 14-10-14 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.

(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. The requirement to use an Indiana Accredited Asbestos inspector ~~be accredited~~ is not federally enforceable.

C.11 Performance Testing [326 IAC 3-6]

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- (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 ~~source~~ **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.

C.14 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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Any monitoring or testing ~~performed~~ 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.16 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68.215]

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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 ~~source~~ **Permittee must** comply with the applicable requirements of 40 CFR 68.

C.17 Compliance Response Plan - Preparation, Implementation, Records, and Reports  
[326 IAC 2-8-4] [326 IAC 2-8-5]

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(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:

- (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, **and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall notify** the IDEM, OAQ ~~shall be promptly notified~~ of the expected date of the shut down. **The notification shall also include** the status of the applicable compliance monitoring parameter with respect to normal, and the results of the **response** actions taken up to the time of notification.

- (e) The Permittee shall record all instances when, ~~in accordance with Section D,~~ response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

C.20 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

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- (a) The ~~source~~ **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 the "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.**

**SECTION D.1 FACILITY OPERATION CONDITIONS**

**Facility Description [326 IAC 2-8-4(10)]:**

- (a) one (1) rotary aggregate dryer and mixer capable of processing 180 tons per hour of raw material, equipped with one (1) 66.0 million British thermal units per hour (MMBtu) **burner fired with No. 2 diesel fuel oil-fuel fired burner-or No. 4 used oil;**
- (b) one (1) asphalt batch tower with a maximum capacity of 180 tons per hour of raw material, consisting of a hot aggregate elevator, screen, hot aggregate bins and weigh hopper, liquid asphalt weigh hopper, pug mill mixer, skip hoist car and rail conveyor, and ~~a two (2)~~ **two (2)** 150 ton capacity asphalt mix storage bins; and
- (c) one (1) jetpulse baghouse, identified as Unit ID 12, **installed in 2005**, controlling particulate matter emissions from the aggregate dryer and mixer and batch tower, exhausting to one (1) stack, identified as SV-1.

(The information describing the process contained in this facility 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 Matter 10 Microns (PM10) [326 IAC 2-8-4] **[326 IAC 2-2]**

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Pursuant to 326 IAC 2-8-4, PM10 emissions from the aggregate mixing and drying operation shall not exceed 0.1085 pound of PM10 per ton of asphalt mix equivalent to 19.54 pounds per hour, based on a maximum throughput of 180 tons of asphalt mix per hour, including both filterable and condensable fractions. Based on 8,760 hours of operation per 12 consecutive month period, this limits PM-10 emissions from the aggregate mixing and drying operation to 85.58 tons per year for a source-wide total potential to emit of less than 100 tons per year. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply. **This limit will also render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.**

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

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- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the aggregate mixing and drying operation shall not exceed 57.37 pounds per hour when operating at a process weight rate of 180 tons per hour. The pounds per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate in excess of 60,000 pounds per hour

shall be accomplished by use of the equation:

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

- (b) **Particulate emissions from the aggregate mixing and drying operation shall not exceed 0.236 pounds per ton of asphalt produced, based on a maximum capacity of 180 tons of asphalt per hour. This limit is required to limit the potential to emit of particulate matter (PM) to less than 250 tons per 12 consecutive month period. This limit will render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.**

D.1.3 Sulfur Dioxide (SO<sub>2</sub>) [326 IAC 7-1.1-1][326 IAC 7-2-1]

- (a) Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide (**SO<sub>2</sub>**) emissions from the 66.0 million Btu per hour burner for the aggregate dryer shall be limited to 0.5 pounds per million Btu heat input ~~or a sulfur content of less than or equal to 0.5% when using distillate oil (including No. 2 diesel fuel oil) and 1.6 pounds per million Btu heat input when using residual oil (including No. 4 used oil).~~
- (b) Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

Compliance with Condition D.1.4 will also satisfy Condition D.1.3.

D.1.4 Fuel Limitations [326 IAC 2-8-4] [326 IAC 2-2]

- (a) Pursuant to 326 IAC 2-8-4(1), the maximum sulfur content of the No. 2 ~~distillate diesel~~ fuel oil used in the 66.0 MMBtu per hour burner for the aggregate dryer shall be limited to 0.05%, so that SO<sub>2</sub> emissions **from the source** are limited to less than 100 tons per year.
- (b) **Pursuant to 326 IAC 2-8-4(1), the maximum sulfur content and maximum fuel usage of the No. 4 used oil used in the 66.0 MMBtu per hour burner for the aggregate dryer shall be limited to 0.5% and 596,000 gallons per 12 consecutive months, so that SO<sub>2</sub> emissions from the combustion of No. 4 used oil are limited to less than 22.4 tons per year and less than 1.6 pounds per million Btu heat input, and so that SO<sub>2</sub> emissions from the source are limited to less than 100 tons per year.**

**Compliance with these limits shall be demonstrated at the end of each calendar month. Therefore, the requirements of 326 IAC 2-7 will not apply. These limits will also render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.**

**Compliance Determination Requirements**

D.1.7 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

To demonstrate compliance with the PM and PM<sub>10</sub> emission limits established in Conditions D.1.1 and D.1.2, the Permittee shall perform PM and PM-10 testing on the aggregate mixer/dryer baghouse stack exhaust utilizing methods as approved by the Commissioner. **This test shall be repeated at least once every** ~~no later than~~ five (5) years from August 31, 2000. **PM-10 includes filterable and condensable PM-10.** Testing shall be conducted in accordance with Section C- Performance Testing.

D.1.8 Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate ~~that the sulfur dioxide emissions do not exceed five tenths (0.5) pounds per million Btu heat input when burning No. 2 distillate fuel oil~~ **compliance with D.1.4** by:

**D.1.9 Used Oil Requirements [329 IAC 13-8] [329 IAC 13-3-2]**

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Pursuant to 329 IAC 13-8-1 (Used Oil Burners Who Burn Off-specification Used Oil For Energy Recovery), used oil burned for energy recovery that does not meet the specification requirements in 329 IAC 13-3-2 (Used Oil Specifications) shall comply with the provisions of 329 IAC 13-8, including:

- (1) Receipt of an EPA identification number as outlined in 329 IAC 13-8-3 (Notification),
- (2) Compliance with the used oil storage requirements specified in 329 IAC 13-8-5 (Used Oil Storage), and
- (3) Maintain records pursuant to 329 IAC 13-8-6 (Tracking).

Pursuant to 329 IAC 13-3-2, once used oil has been shown not to exceed the specification requirements of 329 IAC 13-3-2 and the person making the showing complies with 329 IAC 13-9-3, 329 IAC 13-9-4, and 329 IAC 13-9-5(b), the used oil is no longer subject to 329 IAC 13. The burning of mixtures of used oil and hazardous waste that is regulated by 329 IAC 3.1 is prohibited at this source.

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

**D.1.910 Visible Emissions Notations**

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- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a ~~violation of~~ **deviation from** this permit.

**D.1.110 Parametric Monitoring**

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The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the aggregate dryer, mixer, and burner, at least once per shift when the aggregate dryer, mixer, and burner are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a ~~violation of~~ **deviation from** this permit.

**D.1.124 Baghouse Inspections**

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**D.1.132 Broken or Failed Bag Detection**

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**Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]**

**D.1.143 Record Keeping Requirements**

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- (a) To document compliance with Conditions D.1.3 and D.1.4, the Permittee shall maintain records in accordance with (1) through (34) below. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

(1) **Actual No. 4 used oil usage in the 66.0 MMBtu per hour burner for the aggregate dryer per month since last compliance determination period, and the sulfur content of each delivery of No. 4 used oil or No. 2 diesel oil;**

(24) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel oil combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

(32) The name of the fuel supplier; and

(43) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

**The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.**

(c) To document compliance with Condition D.1.109, the Permittee shall maintain records of the once per shift visible emission notations of the drum mix dryer/burner baghouse stack exhaust, conveyors, and transfer points.

(d) To document compliance with Condition D.1.110, the Permittee shall maintain once per shift records of the total static pressure drop during normal operation.

(e) To document compliance with Condition D.1.124, the Permittee shall maintain records of the results of the inspections required under Condition D.1.124 and the dates the vents are redirected.

#### D.1.154 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.46(a) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

## **SECTION D.2**

## **FACILITY OPERATION CONDITIONS**

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

#### D.2.1 Volatile Organic Compound (VOC) [326 IAC 8-5-2] [326 IAC 2-8-4] [326 IAC 2-2]

(b) The VOC solvent usage as cut back diluent in the liquid binder used in cold mix asphalt production shall be limited such that VOC emissions shall not exceed ~~92.50~~ **72.0** tons per twelve (12) consecutive months. This shall be achieved by limiting the total VOC solvent usage of any one selected binder to not exceed the stated limit above for that binder during the last twelve (12) months. When more than one binder is used, the formula in (c)(4) must be applied so that the total VOC emitted does not exceed ~~92.50~~ **72.0** tons per twelve (12) consecutive month period, based on the following liquid binder definitions:

(c) The liquid binder used in cold mix asphalt production shall be limited as follows:

- (1) Cutback asphalt rapid cure liquid binder usage shall not exceed ~~97.37~~ **75.79** tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.
- (2) Cutback asphalt medium cure liquid binder usage shall not exceed ~~132.14~~ **102.86** tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.
- (3) Cutback asphalt slow cure liquid binder usage shall not exceed ~~370.00~~ **288.00** tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.

The equivalent total tons of VOC of the combined liquid binders shall be less than ~~92.50~~ **72.0** tons per twelve (12) consecutive month period rolled on a monthly basis. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply. **This limit will also render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.**

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF AIR QUALITY, COMPLIANCE BRANCH

~~No. 2~~ Fuel Oil Sulfur Content Quarterly Report

Source Name: Dave O'Mara Contractor, Inc.  
 Source Address: Junction SR 203 South & SR 56, Scottsburg, Indiana 47170  
 Mailing Address: 1100 East O & M Avenue, North Vernon, Indiana 47265  
 FESOP No.: F143-15294-03192  
 Facility: Aggregate ~~Dryer Burner~~ **Dryer Burner** ~~Mixing and Drying~~  
 Parameter: SO2  
 Limit:

- (a) the maximum sulfur content of the No. 2 ~~distillate-diesel~~ fuel oil used in the 66.0 MMBtu per hour burner for the aggregate dryer shall be limited to 0.05%, so that SO<sub>2</sub> emissions are limited to less than 100 tons per year.
- (b) the maximum sulfur content of the No. 4 used oil used in the 66.0 MMBtu per hour burner for the aggregate dryer shall be limited to 0.5%, so that SO<sub>2</sub> emissions while burning No. 4 used oil are limited to less than 22.4 tons per year.**

Month: \_\_\_\_\_ Year: \_\_\_\_\_

Date of Fuel Oil Delivery	Type of Fuel Oil	Sulfur Content of <del>No. 2</del> -Fuel Oil (% by weight)	Date of Fuel Oil Delivery	Type of Fuel Oil	Sulfur Content of <del>No. 2</del> -Fuel Oil (% by weight)

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

**No. 4 Fuel Usage Quarterly Report**

**Source Name:** Dave O'Mara Contractor, Inc.  
**Source Address:** Junction SR 203 South & SR 56, Scottsburg, Indiana 47170  
**Mailing Address:** 1100 East O & M Avenue, North Vernon, Indiana 47265  
**FESOP No.:** F143-15294-03192  
**Facility:** Aggregate Dryer Burner  
**Parameter:** SO2  
**Limit:** Usage of No. 4 used oil with a sulfur content of 0.5% or less in the 66.0 MMBtu per hour aggregate dryer burner shall be limited to 596,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each, so that SO2 emissions while burning No. 4 used oil are limited to less than 22.4 tons per year.

Year: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	No.4 used oil Usage This Month (tons)	No.4 used oil Usage Previous 11 Months (tons)	No.4 used oil Usage 12 Month Total (tons)
Month 1			
Month 2			
Month 3			

- No deviation occurred in this reporting period.
- Deviation/s occurred in this reporting period.  
 Deviation has been reported on: \_\_\_\_\_

**Submitted by:** \_\_\_\_\_ **Date:** \_\_\_\_\_

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

**Signature:** \_\_\_\_\_

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

**Attach a signed certification to complete this report.**

**Single Liquid Binder Solvent Quarterly Report**

**Limit:** Cutback asphalt rapid cure liquid binder usage shall not exceed ~~97.37~~**75.79** tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis. Cutback asphalt medium cure liquid binder usage shall not exceed ~~432.14~~**102.86** tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis. Cutback asphalt slow cure liquid binder usage shall not exceed ~~370.00~~**288.00** tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.

**Conclusion**

The operation of this source shall be subject to the conditions of the attached proposed FESOP Significant Permit Revision No. 143-20944-03192.

**Appendix A: Emissions Calculations  
Emission Summary**

**Company Name: Dave O'Mara Contractor, Inc.**  
**Address City IN Zip: Junction SR 203S & SR 56, Scottsburg, IN 47170**  
**Operation Permit No.: F143-15294-03192**  
**Significant Permit Revision No.: 143-20944-03192**  
**Reviewer: Nathan Bell**  
**Date: August 8, 2005**

Facility/Process	Limited Potential Emissions** (After Pollution Controls) (tons/year)								
	Criteria Pollutants						Hazardous Air Pollutants		
	PM	PM10	SO2	NOx	VOC	CO	Total HAPs	Worse Case HAP	(Compound)
conveying and handling of aggregate*	1.53	0.73	0	0	0	0	0	0	
hot oil heater*	0.14	0.23	4.75	1.38	0.02	0.34	0	0	
Fuel Oil No. 2 at 66 MMBtu/hr (Existing)	0.04	0.05	14.66	41.30	0.70	10.32	0.15	0.13	(Formaldehyde)
Fuel Oil No. 2 at 66 MMBtu/hr (After Modification)	0.04	0.04	12.54	35.34	0.60	8.8	0.13	0.11	(Formaldehyde)
Fuel Oil No. 4 at 66 MMBtu/hr (Modification)	0.02	0.02	22.35	5.96	0.10	1.49	0	0	
Total Fuel at 66 MMBtu/hr (After Modification)	0.06	0.06	34.89	41.30	0.70	10.32	0.13	0.11	(Formaldehyde)
Net emission increase for storage of No. 4 used oil and use of No. 4 used oil in the aggregate dryer.	0.01	0.01	20.23	0	0	0	0	0	
Fugitive VOC emissions from Silo Storage, Load Out, On-Site Yard, and Storage Tanks	0.87	0.87	0	0	13.51	2.27	0.23	0.07	(Formaldehyde)
Total Net Emission Increase for Modification	2.56	1.84	24.98	1.38	13.53	2.62	0.20	0.05	(Formaldehyde)

\*The Technical Support Document (TSD) for the FESOP Renewal No. F143-15294-03192 contains emission calculations for the cold aggregate feed system, hot oil heater

\*\*This table reflects the potential to emit (PTE) after controls, reflecting all limits of the emission units, for the modification. Any control equipment is considered enforceable only after issuance of the FESOP and only to the extent that the effect of the control equipment is made practically enforceable in the permit.. Total emissions based on rated capacity at 8,760 hours/year.

**Appendix A: Emissions Calculations**  
**Commercial/Institutional/Residential Combustors (< 100 mmBtu/hr)**  
**#1 and #2 Fuel Oil**

**Company Name: Dave O'Mara Contractor, Inc.**  
**Address City IN Zip: Junction SR 203S & SR 56, Scottsburg, IN 47170**  
**Operation Permit No.: F143-15294-03192**  
**Significant Permit Revision No.: 143-20944-03192**  
**Reviewer: Nathan Bell**  
**Date: August 8, 2005**

Heat Input Capacity = 66 MMBtu/hr  
 Heating Value = 140 MMBtu/kgal

Existing	
Hours per Year Assumed for Burning No. 2 Fuel Oil =	8760 hours/yr
Existing Fuel Usage =	4129.7 kgals/yr (assuming 8760 hours of usage per year)
<b>Limited Sulfur Content of Fuel, S =</b>	<span style="border: 1px solid black; padding: 2px;">0.050</span> % by weight
Limited Sulfur Content of Fuel =	0.051 lb SO <sub>2</sub> /MMBtu

After Modification*	
Hours per Year Assumed for Burning No. 4 Used Oil =	1264.2 hours/yr
Hours per Year Assumed for Burning No. 2 Fuel Oil =	7495.8 hours/yr
Fuel Usage Assumed for Burning No. 2 Fuel Oil =	3533.7 kgals/yr (assuming 7347.3 hours of usage per year)

\*Note: The assumed hours of operation are not limits, but just assumptions for determining the potential emissions from burning No. 4 used oil and No. 2 fuel oil within the same year.

Criteria Pollutants	Pollutant					
	PM*	PM10**	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO
Emission Factor (lb/kgal)	2.0	2.38	7.1 (142.0S)	20.0	0.34	5.0
PTE (Existing) (tons/yr)	4.1	4.9	14.7	41.3	0.7	10.3
PTE (After Modification) (tons/yr)	3.5	4.2	12.5	35.3	0.6	8.8

\*PM Emission Factor is for filterable PM only from AP 42, Tables 1.3-1 Supplement E 9/98 (see erata file).

\*\*PM10 Emission Factor is a combination of filterable PM10 (1.08 lb/kgal, Table 1.3-7) and condensable PM10 (1.3 lb/kgal, Tables 1.3-2) AP-42, Supplement E 9/98 (see erata file).

Baghouse Control Efficiency 99.0%

	PM	PM10
Controlled PTE (Existing) (ton/yr)	0.04	0.05
Controlled PTE (After Modification) (ton/yr)	0.04	0.04

Hazardous Air Pollutants	HAPs										
	As	Be	Cd	Cr	Pb	Hg	Mn	Ni	Se	POM	HCOH
Emission Factor (lb/mmBtu)*	4.0E-06	3.0E-06	3.0E-06	3.0E-06	9.0E-06	3.0E-06	6.0E-06	3.0E-06	1.5E-05		
Emission Factor (lb/kgal)*										3.3E-03	6.1E-02
Controlled PTE (Existing) (tons/yr)	1.2E-03	8.7E-04	8.7E-04	8.7E-04	2.6E-03	8.7E-04	1.7E-03	8.7E-04	4.3E-03	0.01	0.13
Controlled PTE (After Modification) (tons/yr)	9.9E-04	7.4E-04	7.4E-04	7.4E-04	2.2E-03	7.4E-04	1.5E-03	7.4E-04	3.7E-03	0.01	0.11

\*Emission Factors for HAPs from AP 42, Tables 1.3-8 and 1.3-10 Supplement E 9/98 (see erata file).

<b>Total HAPs (Existing) =</b>	<b>0.15 tons per year</b>
<b>Total HAPs (After Modification) =</b>	<b>0.13 tons per year</b>

**Methodology**

Fuel Usage (kgals/year) = (Heat Input Capacity (MMBtu/hr))\*(hrs/yr) / (Heating Value (MMBtu/kgal))

For Criteria Pollutants, POM, and HCOH: PTE (tons/yr) = (Fuel Usage (kgals/yr))\*(Emission Factor (lb/kgal)) / (2,000 lb/ton)

For all other HAPs: PTE (tons/yr) = (Fuel Usage (MMBtu/hr))\*(Emission Factor (lb/MMBtu))\*(hrs/yr) / (2,000 lb/ton)

For PM/PM10: Controlled PTE (tons/yr) = (Fuel Usage (kgals/yr))\*(Emission Factor (lb/kgal))\*(1-control efficiency) / (2,000 lb/ton)

**Abbreviations**

PM = Particulate Matter	SO <sub>2</sub> = Sulfur Dioxide	As = Arsenic	Cr = Chromium	Ni = Nickel	POM = Polycyclic Organic Matter
PM10 = Particulate Matter (<10 um)	NO <sub>x</sub> = Nitrous Oxides	Be = Beryllium	Hg = Mercury	Pb = Lead	HCOH = Formaldehyde
VOC = Volatile Organic Compounds	CO = Carbon Monoxide	Cd = Cadmium	Mn = Manganese	Selenium	

**Appendix A: Emissions Calculations**  
**Commercial/Institutional/Residential Combustors (< 100 mmBtu/hr)**  
**#4 Fuel Oil**

**Company Name:** Dave O'Mara Contractor, Inc.  
**Address City IN Zip:** Junction SR 203S & SR 56, Scottsburg, IN 47170  
**Operation Permit No.:** F143-15294-03192  
**Significant Permit Revision No.:** 143-20944-03192  
**Reviewer:** Nathan Bell  
**Date:** August 8, 2005

Heat Input Capacity = 66 MMBtu/hr  
 Heating Value = 140 MMBtu/kgal  
 Unlimited Fuel Usage = 4129.7 kgals/yr (assuming 8760 hours of usage per year)

Modification*	
<b>Limited Fuel Usage =</b>	<b>596.0 kgals/yr</b>
Hours per Year Assumed for Burning No. 4 Used Oil =	1264.2 hours
<b>Limited Sulfur Content, S =</b>	<b>0.50 % by weight</b>
Limited Sulfur Content of Fuel =	0.536 lb SO <sub>2</sub> /MMBtu
<b>Baghouse Control Efficiency</b>	<b>99.0%</b>

\*Note: The assumed hours of operation are not limits, but just assumptions for determining the potential emissions from burning No. 4 used oil and No. 2 fuel oil within the same year.

Criteria Pollutants	Pollutant					
	PM*	PM10**	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO
Emission Factor in lb/kgal	7.0	5.84	75.0 (150.0S)	20.0	0.34	5.0
Uncontrolled/Unlimited PTE in tons/yr	14.5	12.1	154.9	41.3	0.70	10.3
Controlled/Limited PTE in tons/yr	0.021	0.017	22.3	6.0	0.10	1.5

\*PM Emission Factor is for filterable PM only from AP 42, Tables 1.3-1 Supplement E 9/98 (see erata file).

\*\*PM10 Emission Factor is a combination of filterable PM10 (5.17\*0.84 = 4.34 lb/kgal, Table 1.3-7) and condensable PM10 (1.5 lb/kgal, Tables 1.3-2) AP-42, Supplement E 9/98 (see erata file).

**Methodology**

Unlimited Fuel Usage (kgals/year) = (Heat Input Capacity (MMBtu/hr))\*(8,760 hrs/yr) / (Heating Value (MMBtu/kgal))

Uncontrolled/Unlimited PTE (tons/yr) = (Unlimited Fuel Usage (kgals/yr))\*(Emission Factor (lb/kgal)) / (2,000 lb/ton)

Controlled/Limited PTE (tons/yr) = (Limited Fuel Usage (kgals/yr))\*(Emission Factor (lb/kgal)) / (2,000 lb/ton)

For PM/PM10: Controlled/Limited PTE (tons/yr) = (Limited Fuel Usage (kgals/yr))\*(Emission Factor (lb/kgal))\*(1-control efficiency) / (2,000 lb/ton)

No AP-42 emission factors available for HAPs.

**Abbreviations**

PM = Particulate Matter                      SO<sub>2</sub> = Sulfur Dioxide  
 PM10 = Particulate Matter (<10 um)      NO<sub>x</sub> = Nitrous Oxides  
 VOC = Volatile Organic Compounds        CO = Carbon Monoxide

**Appendix A: Emission Calculations**

**Company Name:** Dave O'Mara Contractor, Inc.  
**Address City IN Zip:** Junction SR 203S & SR 56, Scottsburg, IN 47170  
**Operation Permit No.:** F143-15294-03192  
**Significant Permit Revision No.:** 143-20944-03192  
**Reviewer:** Nathan Bell  
**Date:** August 8, 2005

Drum mix hot mix asphalt plant (Load-Out, Silo Filling, and Yard Emissions) AP-42 Tables 11.1-14, 11.1-15, 11.1-16, rev 3/2004

Asphalt Temperature	325 F
Asphalt Volatility Factor (V)	-0.5
Asphalt capacity	180.0 tons/hr = 1,576,800 tons/yr

Pollutant	Emission Factor (lb/ton asphalt)			Potential Emissions (lb/hr)			Potential Emissions (tons/yr)			
	Load-Out	Silo Filling	On-Site Yard	Load-Out	Silo Filling	On-Site Yard	Load-Out	Silo Filling	On-Site Yard	Total
Total PM	5.2E-04	5.9E-04	NA	0.094	0.11	NA	0.41	0.46	NA	<b>0.87</b>
Organic PM	3.4E-04	2.5E-04	NA	0.061	0.046	NA	0.27	0.20	NA	<b>0.47</b>
TOC	0.004	0.012	0.001	0.75	2.19	0.198	3.3	9.6	0.87	<b>13.8</b>
CO	0.001	0.001	3.5E-04	0.24	0.212	0.063	1.06	0.93	0.28	<b>2.27</b>

NA = Not Applicable (no AP-42 Emission Factor)

TOC = Total Organic Compounds

CO = Carbon Monoxide

PM = Particulate Matter

HAP = Hazardous Air Pollutant

VOC = Volatile Organic Compound

<b>PM/HAPs</b>	<b>0.019</b>	<b>0.023</b>	<b>0</b>	<b>0.042</b>
<b>VOC/HAPs</b>	<b>0.048</b>	<b>0.122</b>	<b>0.013</b>	<b>0.183</b>
<b>non-VOC/HAPs</b>	<b>2.5E-04</b>	<b>2.6E-05</b>	<b>6.7E-05</b>	<b>3.5E-04</b>
<b>non-VOC/non-HAPs</b>	<b>0.24</b>	<b>0.14</b>	<b>0.06</b>	<b>0.44</b>

<b>Total VOCs</b>	<b>3.1</b>	<b>9.6</b>	<b>0.8</b>	<b>13.5</b>
<b>Total HAPs</b>	<b>0.07</b>	<b>0.15</b>	<b>0.01</b>	<b>0.23</b>

Appendix A: Emission Calculations

Company Name: Dave O'Mara Contractor, Inc.  
 Address City IN Zip: Junction SR 203S & SR 56, Scottsburg, IN 47170  
 Operation Permit No.: F143-15294-03192  
 Significant Permit Revision No.: 143-20944-03192  
 Reviewer: Nathan Bell  
 Date: August 8, 2005

Organic Particulate-Based Compounds (Table 11.1-15)

Pollutant	CASRN	Category	HAP Type	Source	Speciation Profile		Potential Emissions (tons/yr)			
					Load-out and Onsite Yard (% by weight of Total Organic PM)	Silo Filling and Asphalt Storage Tank (% by weight of Total Organic PM)	Load-out	Silo Filling	Onsite Yard	Total
PAH HAPs										
Acenaphthene	83-32-9	PM/HAP	POM	Organic PM	0.26%	0.47%	7.0E-04	9.4E-04	NA	1.6E-03
Acenaphthylene	208-96-8	PM/HAP	POM	Organic PM	0.028%	0.014%	7.5E-05	2.8E-05	NA	1.0E-04
Anthracene	120-12-7	PM/HAP	POM	Organic PM	0.07%	0.13%	1.9E-04	2.6E-04	NA	4.5E-04
Benzo(a)anthracene	56-55-3	PM/HAP	POM	Organic PM	0.019%	0.056%	5.1E-05	1.1E-04	NA	1.6E-04
Benzo(b)fluoranthene	205-99-2	PM/HAP	POM	Organic PM	0.0076%	0	2.0E-05	0	NA	2.0E-05
Benzo(k)fluoranthene	207-08-9	PM/HAP	POM	Organic PM	0.0022%	0	5.9E-06	0	NA	5.9E-06
Benzo(g,h,i)perylene	191-24-2	PM/HAP	POM	Organic PM	0.0019%	0	5.1E-06	0	NA	5.1E-06
Benzo(a)pyrene	50-32-8	PM/HAP	POM	Organic PM	0.0023%	0	6.2E-06	0	NA	6.2E-06
Benzo(e)pyrene	192-97-2	PM/HAP	POM	Organic PM	0.0078%	0.0095%	2.1E-05	1.9E-05	NA	4.0E-05
Chrysene	218-01-9	PM/HAP	POM	Organic PM	0.103%	0.21%	2.8E-04	4.2E-04	NA	7.0E-04
Dibenz(a,h)anthracene	53-70-3	PM/HAP	POM	Organic PM	0.00037%	0	9.9E-07	0	NA	9.9E-07
Fluoranthene	206-44-0	PM/HAP	POM	Organic PM	0.05%	0.15%	1.3E-04	3.0E-04	NA	4.3E-04
Fluorene	86-73-7	PM/HAP	POM	Organic PM	0.77%	1.01%	2.1E-03	2.0E-03	NA	4.1E-03
Indeno(1,2,3-cd)pyrene	193-39-5	PM/HAP	POM	Organic PM	0.00047%	0	1.3E-06	0	NA	1.3E-06
2-Methylnaphthalene	91-57-6	PM/HAP	POM	Organic PM	2.38%	5.27%	6.4E-03	1.1E-02	NA	0.017
Naphthalene	91-20-3	PM/HAP	POM	Organic PM	1.25%	1.82%	3.4E-03	3.6E-03	NA	7.0E-03
Perylene	198-55-0	PM/HAP	POM	Organic PM	0.022%	0.03%	5.9E-05	6.0E-05	NA	1.2E-04
Phenanthrene	85-01-8	PM/HAP	POM	Organic PM	0.81%	1.80%	2.2E-03	3.6E-03	NA	5.8E-03
Pyrene	129-00-0	PM/HAP	POM	Organic PM	0.15%	0.44%	4.0E-04	8.8E-04	NA	1.3E-03
<b>Total PAH HAPs</b>							<b>0.016</b>	<b>0.023</b>	<b>NA</b>	<b>0.039</b>
Other semi-volatile HAPs										
Phenol		PM/HAP	---	Organic PM	1.18%	0	3.2E-03	0	0	3.2E-03

NA = Not Applicable (no AP-42 Emission Factor)

POM = Polycyclic Organic Matter

PM = Particulate Matter

HAP = Hazardous Air Pollutant

Appendix A: Emission Calculations

Company Name: Dave O'Mara Contractor, Inc.  
 Address City IN Zip: Junction SR 203S & SR 56, Scottsburg, IN 47170  
 Operation Permit No.: F143-15294-03192  
 Significant Permit Revision No.: 143-20944-03192  
 Reviewer: Nathan Bell  
 Date: August 8, 2005

Organic Volatile-Based Compounds (Table 11.1-16)

Pollutant	CASRN	Category	HAP Type	Source	Speciation Profile		Potential Emissions (tons/yr)			
					Load-out and Onsite Yard (% by weight of TOC)	Silo Filling and Asphalt Storage Tank (% by weight of TOC)	Load-out	Silo Filling	Onsite Yard	Total
<b>VOC</b>		VOC	---	TOC	94%	100%	<b>3.08</b>	<b>9.61</b>	<b>0.82</b>	<b>13.51</b>
non-VOC/non-HAPS										
Methane	74-82-8	non-VOC/non-HAP	---	TOC	6.50%	0.26%	2.1E-01	2.5E-02	5.6E-02	0.294
Acetone	67-64-1	non-VOC/non-HAP	---	TOC	0.046%	0.055%	1.5E-03	5.3E-03	4.0E-04	0.007
Ethylene	74-85-1	non-VOC/non-HAP	---	TOC	0.71%	1.10%	2.3E-02	1.1E-01	6.2E-03	0.135
<b>Total non-VOC/non-HAPS</b>					<b>7.30%</b>	<b>1.40%</b>	<b>0.239</b>	<b>0.135</b>	<b>0.063</b>	<b>0.44</b>
Volatile organic HAPs										
Benzene	71-43-2	VOC/HAP	---	TOC	0.052%	0.032%	1.7E-03	3.1E-03	4.5E-04	5.2E-03
Bromomethane	74-83-9	VOC/HAP	---	TOC	0.0096%	0.0049%	3.1E-04	4.7E-04	8.3E-05	8.7E-04
2-Butanone	78-93-3	VOC/HAP	---	TOC	0.049%	0.039%	1.6E-03	3.7E-03	4.2E-04	5.8E-03
Carbon Disulfide	75-15-0	VOC/HAP	---	TOC	0.013%	0.016%	4.3E-04	1.5E-03	1.1E-04	2.1E-03
Chloroethane	75-00-3	VOC/HAP	---	TOC	0.00021%	0.004%	6.9E-06	3.8E-04	1.8E-06	3.9E-04
Chloromethane	74-87-3	VOC/HAP	---	TOC	0.015%	0.023%	4.9E-04	2.2E-03	1.3E-04	2.8E-03
Cumene	92-82-8	VOC/HAP	---	TOC	0.11%	0	3.6E-03	0	9.5E-04	4.6E-03
Ethylbenzene	100-41-4	VOC/HAP	---	TOC	0.28%	0.038%	9.2E-03	3.7E-03	2.4E-03	0.015
Formaldehyde	50-00-0	VOC/HAP	---	TOC	0.088%	0.69%	2.9E-03	6.6E-02	7.6E-04	0.070
n-Hexane	100-54-3	VOC/HAP	---	TOC	0.15%	0.10%	4.9E-03	9.6E-03	1.3E-03	0.016
Isooctane	540-84-1	VOC/HAP	---	TOC	0.0018%	0.00031%	5.9E-05	3.0E-05	1.6E-05	1.0E-04
Methylene Chloride	75-09-2	non-VOC/HAP	---	TOC	0	0.00027%	0	2.6E-05	0	2.6E-05
MTBE	1634-04-4	VOC/HAP	---	TOC	0	0	0	0	0	0
Styrene	100-42-5	VOC/HAP	---	TOC	0.0073%	0.0054%	2.4E-04	5.2E-04	6.3E-05	8.2E-04
Tetrachloroethene	127-18-4	non-VOC/HAP	---	TOC	0.0077%	0	2.5E-04	0	6.7E-05	3.2E-04
Toluene	100-88-3	VOC/HAP	---	TOC	0.21%	0.062%	6.9E-03	6.0E-03	1.8E-03	0.015
1,1,1-Trichloroethane	71-55-6	VOC/HAP	---	TOC	0	0	0	0	0	0
Trichloroethene	79-01-6	VOC/HAP	---	TOC	0	0	0	0	0	0
Trichlorofluoromethane	75-69-4	VOC/HAP	---	TOC	0.0013%	0	4.3E-05	0	1.1E-05	5.4E-05
m-/p-Xylene	1330-20-7	VOC/HAP	---	TOC	0.41%	0.20%	1.3E-02	1.9E-02	3.6E-03	0.036
o-Xylene	95-47-6	VOC/HAP	---	TOC	0.08%	0.057%	2.6E-03	5.5E-03	6.9E-04	8.8E-03
<b>Total volatile organic HAPs</b>					<b>1.50%</b>	<b>1.30%</b>	<b>0.049</b>	<b>0.125</b>	<b>0.013</b>	<b>0.187</b>

TOC = Total Organic Compounds

HAP = Hazardous Air Pollutant

VOC = Volatile Organic Compound