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

Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

August 6, 2004

TO: Interested Parties / Applicant

RE: Wabash Valley Asphalt / 153-18870-05258

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 9/16/03

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A NEW SOURCE REVIEW AND A FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) OFFICE OF AIR QUALITY

Wabash Valley Asphalt
937 South Section Street
Sullivan, Indiana 47882
(Portable)

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses new source review requirements and is intended to fulfill the new source review procedures and permit revision requirements pursuant to 326 IAC 2-8-11.1, applicable to those conditions.

Operation Permit No.: F153-18870-05258	
Issued by: Original Signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: August 6, 2004 Expiration Date: August 6, 2009

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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)]

The Permittee owns and operates a portable asphalt plant.

Authorized individual:	Production Facility Manager
Initial Source Address:	937 South Section Street, Sullivan, Indiana 47882
Mailing Address:	P.O.Box 8297, Terre Haute, Indiana 47808
General Source Phone:	(812) 232-6094
SIC Code:	2951
County Location:	Sullivan
Initial Source Location Status:	Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD and Emission Offset 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)]

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

One (1) portable asphalt plant, constructed in 2004, consisting the following:

(a) One (1) double barrel drum dryer/mixer, identified as #5, with a maximum capacity of 400 tons/hr, equipped with one (1) waste oil fired burner (identified as #7) which has a maximum heat input rate of 100 MMBtu/hr, using Natural gas and No. 2 fuel oil as back-up fuels, controlled by a baghouse (identified as #8), and exhausting through stack S-1.

(b) One (1) slat conveyor, identified as #3, with a maximum throughput rate of 400 tons/hr.

(c) One (1) asphalt load-out process, with a maximum throughput rate of 400 tons/hr.

(d) Two (2) aggregate conveyors to the dryer, identified as #21, with a maximum throughput rate of 320 tons/yr and 60 tons/hr, respectively.

(e) Aggregate storage piles, with a total throughput rate of 400 tons/hr.

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

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

(a) Fuel oil-fired combustion sources with heat input equal to or less than two million (2,000,000) Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight, including one (1) hot oil heater, identified as #13, using No. 2 fuel oil as fuel, with a maximum heat input capacity of 2.0 MMBtu/hr, and exhausting through stack S-2.

(b) Degreasing operations that do not exceed 145 gallons per 12 months, and not subject to 326 IAC 20-6.

(c) Unpaved roads.

(d) Combustion source flame safety purging on startup.

(e) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.

(f) Cleaners and solvents having a vapor pressure equal to or less than 2 kPa (15mm Hg or 0.3 psi) measured at 38°C (100°F) or having a vapor pressure equal to or less than 0.7 kPa (5mm Hg or 0.1 psi) measured at 20°C (68°F). The usage of all cleaners and solvents combined does not exceed 145 gallons per 12 months.

(g) Closed loop heating and cooling systems.

(h) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

(i) A laboratory as defined in 326 IAC 2-7-1(21)(D).

(j) Other emission units, not regulated by a NESHAP, with PM10, NOx, and SO_2 emissions less than five (5) pounds per hour or twenty-five (25) pounds per day, CO emissions less than twenty-five (25) pounds per day, VOC emissions less than three (3) pounds per hour or fifteen (15) pounds per day, lead emissions less than six-tenths (0.6) tons per year or three and twenty-nine hundredths (3.29) pounds per day, and emitting greater than one (1) pound per day but less than five (5) pounds per day or one (1) ton per year of a single HAP, or emitting greater than one (1) pound per day but less than twelve and five tenths (12.5) pounds per day or two and five tenths (2.5) ton per year of any combination of HAPs:

(1) Two (2) liquid asphalt cement tanks, identified as #10 and #11, constructed in 2004, each with a maximum capacity of 30,000 gallons, and exhausting through stacks V-3 and V-4.

(2) One (1) waste oil storage tank, identified as #12, constructed in 2004, with a maximum capacity of 20,000 gallons, and exhausting through stack V-5.

(3) Seven (7) aggregate cold bins, identified as #4.

(4) Two (2) surge bins, identified as #2, each with a maximum capacity of 200 tons.

(5) Two (2) RAP feed bins, identified as #6.

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

This portable 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) for 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) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

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]

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]

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]

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)]

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)]

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)]

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)]

(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)]

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 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.

(c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.11 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. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent 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.12 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

The PMP extension notification does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(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.13 Emergency Provisions [326 IAC 2-8-12]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that 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.14 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.15 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.16 Permit Renewal [326 IAC 2-8-3(h)]

(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.17 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, 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.18 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

(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.

B.19 Permit Revision Requirement [326 IAC 2-8-11.1]

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

B.20 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC13-30-3-1]

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

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

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

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

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

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

B.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

(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.22 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 317-233-4320 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 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 volatile organic compounds (VOCs) from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period. This limitation shall also satisfy the requirements of 326 IAC 2-1.1-5 (Nonattainment NSR);

(2) The potential to emit any regulated pollutant from the entire source, except particulate matter (PM) and volatile organic compounds (VOCs), shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period;

(3) 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

(4) 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) Pursuant to 326 AC 2-1.1-5 (Nonattainment NSR), potential to emit particulate matter (PM) from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period.

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

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

C.2 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 twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

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

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

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

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

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on May 19, 2004. The plan is included as Attachment A.

C.7 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 unit vented to the control equipment is in operation.

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

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

C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, 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.10 Performance Testing [326 IAC 3-6]

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, 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.11 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.12 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

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

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

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

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).

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.13 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.14 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) 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.15 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

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

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

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. If a Permittee is required to have an Operation, Maintenance and Monitoring (OMM) Plan under 40 CFR 60, such plans shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions. 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 Operation, Maintenance and Monitoring (OMM) Plan; or

(2) If none of the reasonable response steps listed in the Compliance Response Plan for Operation, Maintenance and Monitoring (OMM) 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 promptly 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.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred 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.18 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

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

(a) The source 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 IAC2-1.1-1(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 Branch, 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) The first report covered the period commencing on the date of issuance of the original FESOP and ended on the last day of the reporting period. All subsequent reporting periods shall be based on calendar years.

Portable Source Requirement

C.20 Relocation of Portable Sources [326 IAC 2-14-4]

(a) This permit is approved for operation in all areas of Indiana.

(b) A request to relocate shall be submitted to IDEM, OAQ at least thirty (30) days prior to the intended date of relocation. This submittal shall include the following:

(1) A list of governmental officials entitled to receive notice of application to relocate. IC 13-15-3-1

(2) A list of adjacent landowners that the Permittee will send written notice to not more than ten (10) days after submission of the request to relocate. IC 13-15-8

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

(c) A "Relocation Site Approval" letter shall be obtained prior to relocating.

(d) The Permittee shall also notify the applicable local air pollution control agency when relocating to, or from, one the following:

(1) Madison County - (Anderson Office of Air Management)

(2) City of Evansville plus four (4) miles beyond the corporate limits but not outside Vanderburgh County - (Evansville EPA)

(3) City of Gary - (Gary Department of Environmental Affairs)

(4) City of Hammond - (Hammond Department of Environmental Management)

(5) Marion County - (Indianapolis Office of Environmental Services)

(6) St. Joseph County - (St. Joseph County Health Department)

(7) Vigo County - (Vigo County Air Pollution Control)

(e) A valid operation permit consists of this document and any subsequent "Relocation Site Approval" letter specifying the current location of the portable plant.

Stratospheric Ozone Protection

C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

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)]:

One (1) portable asphalt plant, constructed in 2004, consisting the following:

(a) One (1) double barrel drum dryer/mixer, identified as #5, with a maximum capacity of 400 tons/hr, equipped with one (1) waste oil fired burner (identified as #7) which has a maximum heat input rate of 100 MMBtu/hr, using Natural gas and No. 2 fuel oil as back-up fuels, controlled by a baghouse (identified as #8), and exhausting through stack S-1.

(b) One (1) slat conveyor, identified as #3, with a maximum throughput rate of 400 tons/hr.

(c) One (1) asphalt load-out process, with a maximum throughput rate of 400 tons/hr.

(d) Two (2) aggregate conveyors to the dryer, identified as #21, with a maximum throughput rate of 320 tons/yr and 60 tons/hr, respectively.

(e) Aggregate storage piles, with a total throughput rate of 400 tons/hr.

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

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1 AND 326 IAC 2-8-11.1, WITH CONDITIONS LISTED BELOW.

Construction Conditions

General Construction Conditions

D.1.1 Permit No Defense

This permit 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.

D.1.2 Federally Enforceable State Operating Permit [326 IAC 2-8]

The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), Permit Administration & Development Section, verifying that the emission units were constructed as proposed in the application.

Effective Date of the Permit

D.1.3 Effective Date of the Permit [IC13-15-5-3]

Pursuant to IC 13-15-5-3, this section of this permit becomes effective upon its issuance.

D.1.4 Modification to Construction Conditions [326 IAC 2]

All requirements of these construction conditions shall remain in effect unless modified in a manner consistent with procedures established for revisions pursuant to 326 IAC 2.

Operation Conditions

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

D.1.5 FESOP Limits [326 IAC 2-8] [326 IAC 2-2] [326 IAC 2-1.1-5]

In order to make the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-1.1-5 (Nonattainment NSR) not applicable and pursuant to 326 IAC 2-8 (FESOP), the Permittee shall comply with the following requirements for the drum dryer/mixer #5:

(a) In order to limit the PM/PM10 emissions from the drum dryer/mixer, the Permittee shall comply with following requirements for the drum dryer/mixer:

(1) The asphalt production rate shall be limited to less than 1,752,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(2) PM emissions shall not exceed 0.023 pounds per ton of asphalt produced.

(3) PM10 emission shall not exceed 0.023 pounds per ton of asphalt produced.

This is equivalent to 20.1 tons/yr of PM/PM10 emissions. Combined with the PM/PM10 emissions from handling process, unpaved roads, and the insignificant activities, the PM/PM10 emissions from the entire source are each limited to less than 50 tons/yr.

(b) In order to limit the SO_2 and NOx emissions from the drum dryer/mixer, the fuel used for the drum dryer/mixer shall be limited as follows:

(1) The sulfur content of the waste oil used shall not exceed 0.75% by weight.

(2) The waste oil combusted shall be limited to less than 820 kilo gallons (kgal) per twelve (12) consecutive month period with compliance determined at the end of each month.

(3) The No. 2 fuel oil combusted shall be limited to less than 1,150 kilo gallons (kgal) per twelve (12) consecutive month period with compliance determined at the end of each month.

(4) The natural gas combusted shall be limited to less than 165 million cubic feet (MMCF) per twelve (12) consecutive month period with compliance determined at the end of each month.

(5) The fuel usage limits in Condition D.1.5(b)(2) through (4) shall be adjusted when more than one type of fuel is used per twelve (12) month consecutive month period. The SO_2 emissions from the drum dryer/mixer shall be limited to less than 45.2 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

The monthly SO_2 emissions from the drum dryer/mixer shall be determined using the following equation:

SO_2 Emissions (tons/month) = (110 X + 78.5 Y + 0.6 Z)/2000

Where

X = Monthly Waste Oil Usage in kgal/month
Y= Monthly No. 2 Fuel Oil Usage in kgal/month
Z = Monthly Natural Gas Usage in MMCF/month

(6) The fuel usage limits in Condition D.1.5 (b)(2) through (4) shall be adjusted when more than one type of fuel is used per twelve (12) month consecutive month period. The NOx emissions from the drum dryer/mixer shall be limited to less than 23.1 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

The monthly NOx emissions from the drum dryer/mixer shall be determined using the following equation:

NOx Emissions (tons/month) = (19 X + 24 Y + 280 Z)/2000

Where

X = Monthly Waste Oil Usage in kgal/month
Y= Monthly No. 2 Fuel Oil Usage in kgal/month
Z = Monthly Natural Gas Usage in MMCF/month

Combined with the SO_2 and NO_x emissions from the insignificant activities, the emissions from the entire source are limited to less than 50 tons/yr for SO_2 and less than 25 tons/yr for NO_x.

(c) The VOC emissions from the VOC solvents used in the liquid binders for the cold mix asphalt production process shall be limited to less than 23.5 tons per twelve (12) consecutive month period with compliance determined at the end of each month. This can be achieved by the following:

(1) Liquid binders used in the production of cold mix asphalt shall be defined as follows:

(A) 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.

(B) 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.

(C) 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.

(D) Emulsified asphalt with solvent, containing a maximum of 15% of liquid binder by weight of VOC solvent and 46.4% by weight of the VOC solvent in the liquid blend evaporating. The percent oil distillate in emulsified asphalt with solvent liquid, as determined by ASTM, must be 7% or less of the total emulsion by volume.

(E) Other asphalt with solvent binder, containing a maximum 25.9% of the liquid binder of VOC solvent and 2.5% by weight of the VOC solvent evaporating.

(2) Cutback asphalt rapid cure liquid binder usage shall not exceed 24.7 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.

(3) Cutback asphalt medium cure liquid binder usage shall not exceed 33.6 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.

(4) Cutback asphalt slow cure liquid binder usage shall not exceed 93.9 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.

(5) Emulsified asphalt with solvent liquid binder usage shall not exceed 50.4 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.

(6) Other asphalt with solvent liquid binder shall not exceed 939 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.

(7) The VOC solvent allotments in Conditions D.1.5(c)(2) through (6) shall be adjusted when more than one type of binder is used and the monthly VOC emissions for each type of binder shall determined by the following formula:

$$\text{VOC Emissions (tons/month)} = \frac{\text{VOC solvent contained in binder (tons/month)}}{\text{Adjustment ratio}} \times 95\%$$

Type of Binders	Adjustment Ratio
Cutback Asphalt Rapid Cure	1.00
Cutback Asphalt Medium Cure	1.36
Cutback Asphalt Slow Cure	3.80
Emulsified Asphalt	2.04
Other Asphalt	38.0

Combined with the VOC emissions from the insignificant activities, the VOC emissions from the entire source are limited to less than 25 tons/yr.

Therefore, the requirements of 326 IAC 2-7 (Part 70 Program), 326 IAC 2-2 (PSD), and 326 IAC 2-1.1-5 (Nonattainment NSR) are not applicable.

D.1.6 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A (General Provisions), which are incorporated by reference in 326 IAC 12-1, apply to the asphalt plant except when otherwise specified in 40 CFR Part 60, Subpart I.

D.1.7 Particulate Matter (PM)[40 CFR 60, Subpart I] [326 IAC 12-1]

Pursuant to 40 CFR 60.92, the particulate matter emissions from each of the PM emission unit at this asphalt plant shall not exceed the following:

(a) 0.04 grains per dry standard cubic foot (gr/dscf); and

(b) 20 percent opacity.

D.1.8 Particulate Matters [326 IAC 6-1-2]

Pursuant to 326 IAC 6-1-2(a)(Nonattainment Area PM Limitations), PM emissions from each of the drum dryer/mixer, the slat conveyor, the asphalt load-out process, and the aggregate conveyors shall not exceed 0.03 grain per dry standard cubic foot.

D.1.9 SO_2 Emissions [326 IAC 7-1.1-2]

Pursuant to 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitations), the SO_2 emissions from the drum dryer/mixer shall not exceed the following:

(1) 1.6 lbs/MMBtu while burning waste oil.

(2) 0.5 lbs/MMBtu while burning No. 2 fuel oil.

D.1.10 VOC Emissions [326 IAC 8-5-2]

Pursuant to 326 IAC 8-5-2 (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 of any paving application except:

(a) Penetrating prime coating;

(b) Stockpile storage; and

(c) Application during the months of November, December, January, February, and March.

D.1.11 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 these facilities and their control devices.

Compliance Determination Requirements

D.1.12 PM and PM10 Control

In order to comply with Conditions D.1.5(a), D.1.7, and D.1.8, the baghouse for particulate control shall be in operation and control emissions from drum mixer at all times that the drum mixer is in operation.

D.1.13 Testing Requirements [326 IAC 2-1.1-11] [40 CFR 60, Subpart I]

In order to demonstrate compliance with the Conditions D.1.5(a), D.1.7, and D.1.8, the Permittee shall perform PM, PM10, and opacity testing utilizing methods per 40 CFR Part 60, Appendix A or approved by the Commissioner within 60 days after achieving the maximum production, but not later than 180 days after initial startup of this asphalt plant. PM10 includes filterable PM10 and condensible PM10.

D.1.14 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Conditions D.1.5(b)(1) and D.1.9 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 emission limits in Conditions D.1.5(b)(1) and D.1.9 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 drum mixer, 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.

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

D.1.15 Visible Emissions Notations

(a) Visible emission notations of the stack exhausts of the drum dryer/mixer, the slat conveyor, the asphalt load-out process, and the aggregate conveyors shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) 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.1.16 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the drum dryer/mixer, at least once per shift when the drum mixer is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 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 local agency if applicable), and shall be calibrated at least once every six (6) months.

D.1.17 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the drum dryer/mixer. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.1.18 Broken or Failed Bag Detection

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. 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 deviation from this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the

failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(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 Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.19 Record Keeping Requirements

(a) To document compliance with Condition D.1.5(a)(1), the Permittee shall maintain records of monthly asphalt production.

(b) To document compliance with Condition D.1.5(b), the Permittee shall maintain records of monthly fuel usage for waste oil, No. 2 fuel oil, and natural gas combusted in the drum dryer/mixer.

(c) To document compliance with Condition D.1.5(c), the Permittee shall maintain records in accordance with (1) through (3) below.

(1) Amount and type of liquid binder used in the production of cold mix asphalt each month.

(2) Type and VOC, solvent content by weight of the liquid binder used in the production of cold mix asphalt each month.

(3) Amount of VOC, solvent used in the production of cold mix asphalt each month.

Records may include: delivery tickets, manufacturer's data, material safety data sheets (MSDS), and other documents necessary to verify the type and amount used. Test results of ASTM tests for asphalt cutback and asphalt emulsion may be used to document volatilization.

(d) To document compliance with Conditions D.1.5(b)(1) and D.1.9, the Permittee shall maintain records in accordance with (1) through (6) below:

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

(3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period, the natural gas fired boiler certification does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1); and

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

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) 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.

(e) To document compliance with Condition D.1.15, the Permittee shall maintain once per shift records of visible emission notations of the stack exhausts from the drum dryer/mixer, the surge bin filling process, the asphalt load-out process, and the aggregate conveyors.

(f) To document compliance with Condition D.1.16, the Permittee shall maintain once per shift records of the total static pressure drop of the baghouse #8 during normal operation.

(g) To document compliance with Condition D.1.17, the Permittee shall maintain records of the results of the inspections required under Condition D.1.17.

(h) To document compliance with Condition D.1.11, the Permittee shall maintain of records of any additional inspections prescribed by the Preventive Maintenance Plan.

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

D.1.20 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.5(a)(1), D.1.5(b), and D.1.5(c) shall be submitted to the addresses 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)]: Insignificant Activities

(a) Fuel oil-fired combustion sources with heat input equal to or less than two million (2,000,000) Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight, including one (1) hot oil heater, identified as #13, using No. 2 fuel oil as fuel, with a maximum heat input capacity of 2.0 MMBtu/hr, and exhausting through stack S-2.

(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 Particulate Matters [326 IAC 6-1-2]

Pursuant to 326 IAC 6-1-2(a)(Nonattainment Area PM Limitations), PM emissions from the hot oil heater shall not exceed 0.03 grain per dry standard cubic foot.

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(b) Degreasing operations that do not exceed 145 gallons per 12 months, and not subject to 326 IAC 20-6.

(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.3.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

(a) Equip the cleaner with a cover;

(b) Equip the cleaner with a facility for draining cleaned parts;

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

(d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) Provide a permanent, conspicuous label summarizing the operation requirements;

(f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius ($38^{o}C$) (one hundred degrees Fahrenheit ($100^{o}F$));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius ($38^{o}C$) (one hundred degrees Fahrenheit ($100^{o}F$)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38^{o}C) (one hundred degrees Fahrenheit (100^{o}F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^{o}C) (one hundred twenty degrees Fahrenheit (120^{o}F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), for cold cleaning facility construction of which commenced after July 1, 1990, the Permittee shall ensure that the following operating requirements are met:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

SECTION D.4 FACILITY OPERATION CONDITIONS

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

(j) Other emission units, not regulated by a NESHAP, with PM10, NOx, and SO_2 emissions less than five (5) pounds per hour or twenty-five (25) pounds per day, CO emissions less than twenty-five (25) pounds per day, VOC emissions less than three (3) pounds per hour or fifteen (15) pounds per day, lead emissions less than six-tenths (0.6) tons per year or three and twenty-nine hundredths (3.29) pounds per day, and emitting greater than one (1) pound per day but less than five (5) pounds per day or one (1) ton per year of a single HAP, or emitting greater than one (1) pound per day but less than twelve and five tenths (12.5) pounds per day or two and five tenths (2.5) ton per year of any combination of HAPs:

(1) Two (2) liquid asphalt cement tanks, identified as #10 and #11, constructed in 2004, each with a maximum capacity of 30,000 gallons, and exhausting through stacks V-3 and V-4.

(2) One (1) waste oil storage tank, identified as #12, constructed in 2004, with a maximum capacity of 20,000 gallons, and exhausting through stack V-5.

(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.4.1 Volatile Organic Compounds (VOCs) [326 IAC 12-1][40 CFR 60, Subpart Kb]

Pursuant to 40 CFR 60.116b, Subpart Kb (New Source Performance Standards for Volatile Organic Liquid Storage Vessels), the Permittee shall comply with the following requirements for storage tanks #10, #11, and #12:

(a) Pursuant to 40 CFR 60.116b(b), the Permitee shall keep readily accessible records of the following for the life time of the source:

(1) the dimension of the storage vessel; and

(2) an analysis showing the capacity of the storage vessel.

(b) Pursuant to 40 CFR 60.116b(f)(A), prior to the initial filling of the vessel storing a waste mixture of indeterminate or variable composition, the Permittee shall determine the highest maximum true vapor pressure for the range of anticipated liquid compositions to be stored using the methods described in 40 CFR 60.116b(e).

D.4.2 Volatile Organic Compounds (VOC) [326 IAC 8-9]

Pursuant to 326 IAC 8-9-6 (Volatile Organic Liquid Storage Vessels), the owner or operator of a stationary vessel with a capacity of less than thirty-nine thousand (39,000) gallons, and which is not exempt, shall maintain a record and submit to the department a report containing the following information on the vessel:

(a) The vessel identification number.

(b) The vessel dimensions.

(c) The vessel capacity.

The owner or operator of a stationary vessel shall keep all records as described for the life of the vessel.

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

D.4.3 Record Keeping Requirements

(a) To document compliance with Conditions D.4.1 and D.4.2, a report containing the information described in Conditions D.4.1 and D.4.2 shall be submitted to IDEM, OAQ within 60 days after issuance of this permit.

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

SECTION D.5 FACILITY OPERATION CONDITIONS

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

(d) Combustion source flame safety purging on startup.

(e) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.

(f) Cleaners and solvents having a vapor pressure equal to or less than 2 kPa (15mm Hg or 0.3 psi) measured at 38°C (100°F) or having a vapor pressure equal to or less than 0.7 kPa (5mm Hg or 0.1 psi) measured at 20°C (68°F). The usage of all cleaners and solvents combined does not exceed 145 gallons per 12 months.

(g) Closed loop heating and cooling systems.

(h) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

(i) A laboratory as defined in 326 IAC 2-7-1(21)(D).

(j) Other emission units, not regulated by a NESHAP, with PM10, NOx, and SO_2 emissions less than five (5) pounds per hour or twenty-five (25) pounds per day, CO emissions less than twenty-five (25) pounds per day, VOC emissions less than three (3) pounds per hour or fifteen (15) pounds per day, lead emissions less than six-tenths (0.6) tons per year or three and twenty-nine hundredths (3.29) pounds per day, and emitting greater than one (1) pound per day but less than five (5) pounds per day or one (1) ton per year of a single HAP, or emitting greater than one (1) pound per day but less than twelve and five tenths (12.5) pounds per day or two and five tenths (2.5) ton per year of any combination of HAPs:

(3) Seven (7) aggregate cold bins, identified as #4.

(4) Two (2) surge bins, identified as #2, each with a maximum capacity of 200 tons.

(5) Two (2) RAP feed bins, identified as #6.

(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)]

There are no specifically applicable requirements for these units.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Wabash Valley Asphalt
Source Address: 987 South Section Street, Sullivan, Indiana 47882
Mailing Address: P.O. Box 8297, Terre Haute, Indiana 47808
FESOP No.: 153-18870-05258

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: Wabash Valley Asphalt
Source Address: 987 South Section Street, Sullivan, Indiana 47882
Mailing Address: P.O. Box 8297, Terre Haute, Indiana 47808
FESOP No.: 153-18870-05258

This form consists of 2 pages **Page 1 of 2**

☐ 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_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Wabash Valley Asphalt
Source Address: 987 South Section Street, Sullivan, Indiana 47882
Mailing Address: P.O. Box 8297, Terre Haute, Indiana 47808
FESOP No.: 153-18870-05258
Facility: The Asphalt Plant
Parameter: Asphalt Production
Limit: Less than 1,752,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:_____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:_____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Wabash Valley Asphalt
Source Address: 987 South Section Street, Sullivan, Indiana 47882
Mailing Address: P.O. Box 8297, Terre Haute, Indiana 47808
FESOP No.: 153-18870-05258
Facility: The Drum Dryer/Mixer
Parameter: SO_2 Emissions
Limit: Less than 45.2 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

SO_2 Emissions (tons/month) = (110 X + 78.5 Y + 0.6 Z)/2000

Where X = Monthly Waste Oil Usage in kgal/month
Y= Monthly No. 2 Fuel Oil Usage in kgal/month
Z = Monthly Natural Gas Usage in MMCF/month

YEAR:_____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:_____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Wabash Valley Asphalt
Source Address: 987 South Section Street, Sullivan, Indiana 47882
Mailing Address: P.O. Box 8297, Terre Haute, Indiana 47808
FESOP No.: 153-18870-05258
Facility: The Drum Dryer/Mixer
Parameter: NO_x Emissions
Limit: Less than 23.1 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

NOx Emissions (tons/month) = (19 X + 24 Y + 280 Z)/2000

Where X = Monthly Waste Oil Usage in kgal/month
Y= Monthly No. 2 Fuel Oil Usage in kgal/month
Z = Monthly Natural Gas Usage in MMCF/month

YEAR:_____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:_____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Wabash Valley Asphalt
Source Address: 987 South Section Street, Sullivan, Indiana 47882
Mailing Address: P.O. Box 8297, Terre Haute, Indiana 47808
FESOP No.: 153-18870-05258
Facility: The Asphalt Plant
Parameter: VOC Emissions
Limit: Less than 23.5 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

$$\text{VOC Emissions (tons/month)} = \frac{\text{VOC solvent contained in binder (tons/month)}}{\text{Adjustment ratio}} \times 95\%$$

Note: The adjustment ratio is listed in Condition D.1.5(d)(6).

YEAR:_____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:_____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

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: Wabash Valley Asphalt
Source Address: 987 South Section Street, Sullivan, Indiana 47882
Mailing Address: P.O. Box 8297, Terre Haute, Indiana 47808
FESOP No.: 153-18870-05258

Months: _____ **to** _____ **Year:** _____

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

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

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

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

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Attachment A
Fugitive Dust Control Plan

(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) power brooming while wet either from rain or application of water on an as needed basis.

Unpaved roads and parking lots:
(1) paving with asphalt;
(2) treating with emulsified asphalt on an as needed basis;
(3) treating with water on an as needed basis; or
(4) double chip and seal the road surface and maintained on an as needed basis.

(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 stockpiles of aggregate;
(2) treating around the stockpile area with emulsified asphalt;
(3) treating around the stockpile area with water; or
(4) treating the stockpiles with water.

(c) Fugitive particulate matter emissions from outdoor conveying of aggregates shall be controlled by 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; or
(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 condition to prevent leakage;
(3) spray the aggregates with water; or
(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; or
(3) spray the aggregate with water on an as needed basis.

Mail to: Permit Administration & Development Section
Office of Air Quality
100 North Senate Avenue
P. O. Box 6015
Indianapolis, Indiana 46206-6015

Wabash Valley Asphalt
P.O. Box 8297
Terre Haute, Indiana 47808

Affidavit of Construction

I, _____, being duly sworn upon my oath, depose and say:
(Name of the Authorized Representative)

1. I live in _____ County, Indiana and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.

2. I hold the position of _____ for _____.
(Title) (Company Name)

3. By virtue of my position with _____,I have personal
(Company Name)
knowledge of the representations contained in this affidavit and am authorized to make these representations on behalf of _____ .
(Company Name)

4. I hereby certify that Wabash Valley Asphalt, 937 South Section Street, Sullivan, Indiana, 47882, completed construction of a portable asphalt plant on _____in conformity with the requirements and intent of the construction permit application received by the Office of Air Quality on April 19, 2004 and as permitted pursuant to FESOP 153-18870-05258 issued on _____

5. Additional (?operations/facilities) were constructed/substituted as described in the attachment to this document and were not made in accordance with the construction permit. (Delete this statement if it does not apply.)

Further Affiant said not.

I affirm under penalties of perjury that the representations contained in this affidavit are true, to the best of my information and belief.

_____
Signature

_____
Date

STATE OF INDIANA)
)SS

COUNTY OF _____)

Subscribed and sworn to me, a notary public in and for _____ County and State of Indiana on this _____ day of _____, 20 _____ .

My Commission expires: _____

_____
Signature

_____
Name (typed or printed)

Indiana Department of Environmental Management
Office of Air Quality

Addendum to the Technical Support Document
for Federally Enforceable State Operating Permit (FESOP)

Source Background and Description

Source Name:	Wabash Valley Asphalt
Initial Location:	937 South Section Street, Sullivan, Indiana 47882
County:	Sullivan
SIC Code:	2951
Operation Permit No.:	F153-18870-05258
Permit Reviewer:	ERG/YC

On June 28, 2004, the Office of Air Quality (OAQ) had a notice published in the Sullivan Daily Times, Sullivan, Indiana, stating that Wabash Valley Asphalt had applied for a Federally Enforceable State Operating Permit (FESOP) to operate a portable asphalt plant with control. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On July 16, 2004, IDEM, OAQ received a letter providing comments on the proposed FESOP. This letter was submitted and signed by thirteen (13) homeowners and/or residents of the south end of Section Street in Sullivan, Indiana. The people who provided signatures are James Long, Alan B. Miller, Kimberly F. Miller, Jay James, Paula F. James, Kim Miller, Kambi Carpenter, Josh Miller, Mary (middle name unclear) James, Whitney J. James, Jesse Jay James, and two (2) other people whose signatures were unclear (possible last name Carpenter). The summary of the comments is as follows:

Comment 1:

This type of business (an asphalt plant) should be located at least 2 miles away from homes and city limits due to a variety of reasons.

Response to Comment 1:

IDEM, OAQ has reviewed the air permit application from this source and found that the air emissions from this source will meet the current air regulations as long as the source complies with the terms and conditions specified in the proposed air permit. IDEM, OAQ does not have authority over local zoning issues. Therefore, no changes to the permit have been made as a result of this comment. IDEM, OAQ recommends the commenters contact their local authorities concerning zoning restrictions.

Upon further review, the OAQ has decided to make the following revisions to the permit:

1. This source is a portable source and can be relocated to any county of Indiana. For clarification purposes, Condition A.1 – General Information has been revised as follows:

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

The Permittee owns and operates a portable asphalt plant.

Authorized individual:	Production Facility Manager
Initial Source Address:	937 South Section Street, Sullivan, Indiana 47882
Mailing Address:	P.O.Box 8297, Terre Haute, Indiana 47808
General Source Phone:	(812) 232-6094
SIC Code:	2951
County Location:	Sullivan
Initial Source Location Status:	Attainment for all ~~other~~ criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD and Emission Offset Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a New Source Review and a Federally Enforceable State Operating Permit (FESOP)

Source Background and Description

Source Name:	Wabash Valley Asphalt
Initial Location:	937 South Section Street, Sullivan, Indiana 47882
County:	Sullivan
SIC Code:	2951
Operation Permit No.:	F153-18870-05258
Permit Reviewer:	ERG/YC

The Office of Air Quality (OAQ) has reviewed a New Source Review and FESOP application from Wabash Valley Asphalt relating to the construction and operation of a portable asphalt plant.

History

In their application, Wabash Valley Asphalt proposed to construct and operate a portable asphalt plant at 937 South Section Street, Sullivan, Indiana 47882. The source also stated that there might be an existing portable asphalt plant (Plant ID #021-03274) moved to this location in the future. In order to maintain the FESOP status in the future, the source requested the FESOP to limit the total emissions from this new source to less than 50 tons/yr for PM10, SO_2, and CO, and to less than 25 tons/yr for VOC and NOx.

Permitted Emission Units and Pollution Control Equipment

There are no permitted emission units at this source during this review process.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted emission units operating at this source during this review process.

New Emission Units and Pollution Control Equipment

The application includes information relating to the prior approval for the construction and operation of the following equipment pursuant to 326 IAC 2-8-4(11):

One (1) portable asphalt plant, constructed in 2004, consisting the following:

(a) One (1) double barrel drum dryer/mixer, identified as #5, with a maximum capacity of 400 tons/hr, equipped with one (1) waste oil fired burner (identified as #7) which has a maximum heat input rate of 100 MMBtu/hr, using Natural gas and No. 2 fuel oil as back-up fuels, controlled by a baghouse (identified as #8), and exhausting through stack S-1.

(b) One (1) slat conveyor, identified as #3, with a maximum throughput rate of 400 tons/hr.

(c) One (1) asphalt load-out process, with a maximum throughput rate of 400 tons/hr.

(d) Two (2) aggregate conveyors to the dryer, identified as #21, with a maximum throughput rate of 320 tons/yr and 60 tons/hr, respectively.

(e) Aggregate storage piles, with a total throughput rate of 400 tons/hr.

Insignificant Activities

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

(a) Fuel oil-fired combustion sources with heat input equal to or less than two million (2,000,000) Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight, including one (1) hot oil heater, identified as #13, using No. 2 fuel oil as fuel, with a maximum heat input capacity of 2.0 MMBtu/hr, and exhausting through stack S-2.

(b) Degreasing operations that do not exceed 145 gallons per 12 months, and not subject to 326 IAC 20-6.

(c) Unpaved roads.

(d) Combustion source flame safety purging on startup.

(e) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.

(f) Cleaners and solvents having a vapor pressure equal to or less than 2 kPa (15mm Hg or 0.3 psi) measured at 38°C (100°F) or having a vapor pressure equal to or less than 0.7 kPa (5mm Hg or 0.1 psi) measured at 20°C (68°F). The usage of all cleaners and solvents combined does not exceed 145 gallons per 12 months.

(g) Closed loop heating and cooling systems.

(h) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

(i) A laboratory as defined in 326 IAC 2-7-1(21)(D).

(j) Other emission units, not regulated by a NESHAP, with PM10, NOx, and SO_2 emissions less than five (5) pounds per hour or twenty-five (25) pounds per day, CO emissions less than twenty-five (25) pounds per day, VOC emissions less than three (3) pounds per hour or fifteen (15) pounds per day, lead emissions less than six-tenths (0.6) tons per year or three and twenty-nine hundredths (3.29) pounds per day, and emitting greater than one (1) pound per day but less than five (5) pounds per day or one (1) ton per year of a single HAP, or emitting greater than one (1) pound per day but less than twelve and five tenths (12.5) pounds per day or two and five tenths (2.5) ton per year of any combination of HAPs:

(1) Two (2) liquid asphalt cement tanks, identified as #10 and #11, constructed in 2004, each with a maximum capacity of 30,000 gallons, and exhausting through stacks V-3 and V-4.

(2) One (1) waste oil storage tank, identified as #12, constructed in 2004, with a maximum capacity of 20,000 gallons, and exhausting through stack V-5.

(3) Seven (7) aggregate cold bins, identified as #4.

(4) Two (2) surge bins, identified as #2, each with a maximum capacity of 200 tons.

(5) Two (2) RAP feed bins, identified as #6.

Existing Approvals

There are no existing air approvals issued to this source.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the FESOP 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 administratively complete FESOP application for the purposes of this review was received on April 19, 2004. Additional information was received on May 19, 2004, May 28, 2004, and June 17, 2004.

There was no notice of completeness letter mailed to the source.

Emission Calculations

See Appendix A of this document for detailed emission calculations (pages 1 through 11).

Potential to Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source or emissions unit 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, the department, or the appropriate local air pollution control agency."

Pollutant	Potential to Emit (tons/yr)
PM	Greater than 250
PM-10	Greater than 250
SO_2	371
VOC	Greater than 100 and less than 250
CO	81.4
NO_x	124

HAPs	Potential to Emit (tons/yr)
HCl	0.37
Formadehyde	5.43
Toluene	5.08
Acetaldehyde	2.28
Hexane	1.61
Benzene	0.68
Other HAPs	2.05
Total	17.5

(a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM10, SO_2, VOC, and NOx is greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7. The source will be issued a FESOP because the source will limit its emissions of PM10, VOC , SO_2, and NO_x to below the Title V levels.

(b) Fugitive Emissions
This type of operation is not in one of the twenty-eight (28) listed source categories under 326 IAC 2-2. However, there are applicable New Source Performance Standards that were in effect on August 7, 1980 (NSPS, Subpart I), the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are counted toward determination of PSD and Emission Offset applicability.

Potential to Emit After Issuance

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

	Potential To Emit (tons/year)						
Process/Emission Unit	PM	PM-10	SO_2	VOC	CO	NO_x	HAPs
Drum Dryer/Mixer	Less than 20.1	Less than 20.1	Less than 45.2	Less than 23.5	Less than 6.93	Less than 23.1	Less than 2.72 for a single HAP and 8.76 for total HAPs
Surge Bin Fillng Process	Less than 0.51	Less than 0.51	-		Less than 10.3	-	
Asphalt Load-out Process	Less than 0.46	Less than 0.46	-		Less than 11.8	-	
Aggregate Conveyors	9.65	3.66	-	-	-	-	-
Unpaved Roads (Fugitive)	Less than 103	Less than 20.9	-	-	-	-	-
Storage Piles (Fugitive)	Less than 1.94	Less than 0.92	-	-	-	-	-
Hot Oil Heater (Insignificant Activity)	0.13	0.13	4.44	0.02	0.31	1.25	Negligible
Other Insignificant Activities	Less than 1.0	Less than 1.0	-	Less than 1.0	-	-	Negligible
Total PTE of the Entire Source	Less than 137	Less than 47.7	Less than 49.6	Less than 24.5	Less than 29.3	Less than 24.4	Less than 2.72 for a single HAP and 8.76 for total HAPs
Title V Thresholds	NA	100	100	25	100	25	10 for a single HAP and 25 for total HAPs

Note: "-" pollutant not emitted by the facility.

County Attainment Status

The source is initially located in Sullivan County.

Pollutant	Status
PM-10	Attainment
SO_2	Attainment
NO_2	Attainment
8-Hour Ozone	Attainment
1-Hour Ozone	Attainment
CO	Attainment
Lead	Attainment

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

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

(c) Fugitive Emissions
This type of operation is not in one of the 28 listed source categories under 326 IAC 2-2 or 326 IAC 2-3. However, there are applicable New Source Performance Standards that were in effect on August 7, 1980 (40 CFR 60, Subpart I), the fugitive emissions are counted toward determination of PSD and Emission Offset applicability.

Portable Source

(a) Initial Location
This is a portable source and its initial location is 937 South Section Street, Sullivan, Indiana 47882.

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

(c) Fugitive Emissions
This type of operation is not in one of the 28 listed source categories under 326 IAC 2-2 or 326 IAC 2-3. However, there are applicable New Source Performance Standards that were in effect on August 7, 1980 (40 CFR 60, Subpart I), the fugitive emissions are counted toward determination of PSD and Emission Offset applicability.

Source Status

New Source PSD and Nonattainment NSR Definition (emissions after controls, based on 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/yr)
PM	Less than 137
PM-10	Less than 47.7
SO_2	Less than 49.6
VOC	Less than 24.5
CO	Less than 29.3
NO_x	Less than 24.4
Single HAP	Less than 2.72
Combination HAPs	Less than 8.76

(a) This new source is not a PSD major stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or greater and it is not in one of the 28 listed source categories. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

(b) This new source is not a Nonattainment NSR major stationary source because no nonattainment regulated pollutant is emitted at a level greater than the Nonattainment NSR major source levels (100 tons/yr for SO_2, 25 tons/yr for VOC and NOx), and it is not in one of the 28 listed source categories. Therefore, the requirements of Nonattainment NSR do not apply.

(c) These emissions are based on the limited potential to emit of the entire source after issuance of this FESOP.

Federal Rule Applicability

(a) This portable asphalt plant is subject to the New Source Performance Standard for Hot Mix Asphalt Facilities (326 IAC 12, 40 CFR 60.90 - 60.93, Subpart I), because it will be constructed after June 11, 1973, the applicability date for this rule. Pursuant to 40 CFR 60.90(a), the affected facilities include the dryer, handling, and storing hot aggregate;

systems for loading, transferring, and storing mineral filler, systems for mixing hot mix asphalt; and the loading, transfer, and storage systems associated with emission control systems.

Pursuant to 40 CFR 60.92, the particulate matter emissions from this asphalt plant shall not exceed the following:

(1) 0.04 grains per dry standard cubic foot (gr/dscf); and

(2) 20 percent opacity.

(b) The proposed tanks (#10, #11, and #12) have capacities greater than 75 cubic meters (19,813 gallons). Therefore, these tanks are subject to the New Source Performance Standards for Volatile Organic Liquid Storage Vessels for which construction, reconstruction, or modification commenced after July 23, 1984 (326 IAC 12, 40 CFR 60.110b - 117b, Subpart Kb).

These tanks are fixed roof tanks and the vapor pressure of the liquid stored in each tank is expected to be less than 76.6 kPa. Therefore, there are no specific emission standards under 40 CFR 60.112b applicable to these tanks.

Pursuant to 40 CFR 60.116b, the Permitee shall keep the following records for the tanks #10, #11, and #12:

(1) Pursuant to 40 CFR 60.116b(b), the Permittee shall keep readily accessible records of the following for the life time of the source:

(A) the dimension of the storage vessel; and

(B) an analysis showing the capacity of the storage vessel.

(2) Pursuant to 40 CFR 60.116b(f)(A), prior to the initial filling of the vessel storing a waste mixture of indeterminate or variable composition, the Permittee shall determine the highest maximum true vapor pressure for the range of anticipated liquid compositions to be stored using the methods described in 40 CFR 60.116b(e).

(c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 20, and 40 CFR Parts 61 and 63) applicable to this source.

State Rule Applicability – Entire Source

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

This new source is not in 1 of 28 source categories defined in 326 IAC 2-2-1(y)(1). The potential to emit PM, PM10, and SO_2 from this source before control is each greater than 250 tons/yr. In order to make the requirements of 326 IAC 2-2 (PSD) not applicable, the source has proposed the following limits:

(a) The asphalt production rate shall be limited to less than 1,752,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(b) PM emissions from the drum dryer/mixer shall not exceed 0.023 pounds per ton of asphalt produced.

This is equivalent to 20.1 tons/yr of PM emissions. Combined with the PM emissions from the other emission units at this source, the PM emissions from the entire source are limited to less than 250 tons/yr. The use of baghouse #8 with the drum dryer/mixer ensures compliance with this limit.

The source also accepted FESOP requirements to limit the PM10 and SO_2 emissions from the entire source to less than 100 tons/yr (see the discussion of 326 IAC 2-8-4 below). Therefore, the requirements of 326 IAC 2-2 are not applicable.

326 IAC 2-1.1-5 (Nonattainment NSR)

This source could be relocated to any nonattainment counties in Indiana. The source has accepted FESOP limits to limit the VOC and NO_x emissions from this source to less than 25 tons/yr and to limit all other criteria pollutants from this source to less than 50 tons/yr (see the discussion for FESOP limits below). Therefore, this source is minor under Nonattainment NSR.

326 IAC 2-4.1 (New Sources of Hazardous Air Pollutants)

The potential to emit HAPs from this new source is less than 10 tons/yr for a single HAP and less than 25 tons/yr for any combination of HAPs. Therefore, the requirements of 326 IAC 2-4.1 are not applicable.

326 IAC 2-8-4 (FESOP)

This source has potential to emit PM10, SO_2, VOC, and NOx before control greater than 100 tons/yr. The source stated that this source might be collocated with another asphalt plant in the future. In order to make the requirements of 326 IAC 2-7 (Part 70 Program) not applicable, the Permittee has proposed the following FESOP requirements:

(a) In order to limit PM10 emissions, the source shall comply with the following:

(1) The asphalt production rate shall be limited to less than 1,752,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(2) PM10 emissions from the drum dryer/mixer shall not exceed 0.023 pounds per ton of asphalt produced. The use of baghouse #8 ensures compliance with this limit.

This is equivalent to 20.1 tons/yr of PM10 emissions. Combined with the PM10 emissions from handling process, unpaved roads, and the insignificant activities, the PM10 emissions from the entire source are limited to less than 50 tons/yr.

(b) In order to limit SO_2 and NO_x emissions, the source shall comply with the following:

(1) The sulfur content of the waste oil used shall not exceed 0.75% by weight.

(2) The waste oil combusted shall be limited to less than 820 kilo gallons (kgal) per twelve (12) consecutive month period with compliance determined at the end of each month.

(3) The No. 2 fuel oil combusted shall be limited to less than 1,150 kilo gallons (kgal) per twelve (12) consecutive month period with compliance determined at the end of each month.

(4) The natural gas combusted shall be limited to less than 165 million cubic feet (MMCF) per twelve (12) consecutive month period with compliance determined at the end of each month.

(5) The fuel usage limits in (2) through (4) above shall be adjusted when more than one type of fuel is used per twelve (12) month consecutive month period. The SO_2 emissions from the drum dryer/mixer shall be limited to less than 45.2 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

The monthly SO_2 emissions from the drum dryer/mixer shall be determined using the following equation:

SO_2 Emissions (tons/month) = (110 X + 78.5 Y + 0.6 Z)/2000
Where
X = Monthly Waste Oil Usage in kgal/month
Y= Monthly No. 2 Fuel Oil Usage in kgal/month
Z = Monthly Natural Gas Usage in MMCF/month

(6) The fuel usage limits in (2) through (4) above shall be adjusted when more than one type of fuel is used per twelve (12) month consecutive month period. The NOx emissions from the drum dryer/mixer shall be limited to less than 23.1 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

The monthly NOx emissions from the drum dryer/mixer shall be determined using the following equation:

NOx Emissions (tons/month) = (19 X + 24 Y + 280 Z)/2000

Where
X = Monthly Waste Oil Usage in kgal/month
Y= Monthly No. 2 Fuel Oil Usage in kgal/month
Z = Monthly Natural Gas Usage in MMCF/month

Combined with the SO_2 and NO_x emissions from the insignificant activities, the emissions from the entire source are limited to less than 50 tons/yr for SO_2 and less than 25 tons/yr for NO_x.

(c) The VOC emissions from the VOC solvents used in the liquid binders for the cold mix asphalt production process shall be limited to less than 23.5 tons per twelve (12) consecutive month period with compliance determined at the end of each month. This can be achieved by the following:

(1) Liquid binders used in the production of cold mix asphalt shall be defined as follows:

(A) 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.

(B) 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.

(C) 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.

(D) Emulsified asphalt with solvent, containing a maximum of 15% of liquid binder by weight of VOC solvent and 46.4% by weight of the VOC solvent in the liquid blend evaporating. The percent oil distillate in emulsified asphalt with solvent liquid, as determined by ASTM, must be 7% or less of the total emulsion by volume

(E) Other asphalt with solvent binder, containing a maximum 25.9% of the liquid binder of VOC solvent and 2.5% by weight of the VOC solvent evaporating

(2) Cutback asphalt rapid cure liquid binder usage shall not exceed 24.7 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.

(3) Cutback asphalt medium cure liquid binder usage shall not exceed 33.6 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.

(4) Cutback asphalt slow cure liquid binder usage shall not exceed 93.9 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.

(5) Emulsified asphalt with solvent liquid binder usage shall not exceed 50.4 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.

(6) Other asphalt with solvent liquid binder shall not exceed 939 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.

(7) The VOC solvent allotments in (2) through (6) above shall be adjusted when more than one type of binder is used and the monthly VOC emissions for each type of binder shall be determined by the following formula:

$$\text{VOC Emissions (tons/month)} = \frac{\text{VOC solvent contained in binder (tons/month)}}{\text{Adjustment ratio}} \times 95\%$$

Type of Binders	Adjustment Ratio
Cutback Asphalt Rapid Cure	1.00
Cutback Asphalt Medium Cure	1.36
Cutback Asphalt Slow Cure	3.80
Emulsified Asphalt	2.04
Other Asphalt	38.0

Combined with the VOC emissions from the insignificant activities, the VOC emissions from the entire source are limited to less than 25 tons/yr.

The FESOP limits above limit the emissions from the entire source to less than 50 tons/yr for PM10 and SO_2, and to less than 25 tons/yr for VOC and 326 IAC 2-1.1-5 NO_x. Therefore, the requirements of 326 IAC 2-7 (Part 70 Program), 326 IAC 2-2 (PSD), and 326 IAC 2-1.1-5 (Nonattainment NSR) are not applicable.

326 IAC 6-4 (Fugitive Dust Emissions)

Pursuant to 326 IAC 6-4, the source shall not generate fugitive dust to the extent that some portion of the material escapes beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located.

326 IAC 6-5 (Fugitive Particulate Emissions Limitations)

The potential fugitive particulate emissions, as defined in 326 IAC 6-5-2, from the unpaved roads and storage piles at this source are greater than 25 tons/yr. Therefore, the unpaved roads are subject to the requirements of 326 IAC 6-5 and the Permittee shall control the fugitive emissions from the unpaved road according to the control plan submitted on May 19, 2004.

326 IAC 2-6 (Emission Reporting)

This source will be initially located in Sullivan County when it is relocated to any county in Indiana. Since it is not required to operate under a Part 70 permit, the requirements of 326 IAC 2-6 are not applicable to this source.

326 IAC 5-1 (Opacity Limitations)

Since this source could be relocated to any county, the opacity from this source shall comply with the most stringent requirements in 326 IAC 5-1 for the sources located in any counties. Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity for sources shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(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 2-14-4 (Relocation of Portable Sources)

Pursuant to 326 IAC 2-14-4 (Relocation of Portable Sources):

(a) This permit is approved for operation in all areas of Indiana.

(b) A request to relocate shall be submitted to IDEM, OAQ at least thirty (30) days prior to the intended date of relocation. This submittal shall include the following:

(1) A list of governmental officials entitled to receive notice of application to relocate. IC 13-15-3-1

(2) A list of adjacent landowners that the Permittee will send written notice to not more than ten (10) days after submission of the request to relocate. IC 13-15-8

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

(c) A “Relocation Site Approval” letter shall be obtained prior to relocating.

(d) The Permittee shall also notify the applicable local air pollution control agency when relocating to, or from, one of the following:

(1) Madison County - (Anderson Office of Air Management)

(2) City of Evansville plus four (4) miles beyond the corporate limits but not outside Vanderburgh County - (Evansville EPA)

(3) City of Gary - (Gary Department of Environmental Affairs)

(4) City of Hammond - (Hammond Department of Environmental Management)

(5) Marion County - (Indianapolis Office of Environmental Services)

(6) St. Joseph County - (St. Joseph County Health Department)

(7) Vigo County - (Vigo County Air Pollution Control)

(e) A valid operation permit consists of this document and any subsequent “Relocation Site Approval” letter specifying the current location of the portable plant.

State Rule Applicability – Portable Asphalt Plant

326 IAC 6-1-2(a)(Nonattainment Area PM Limitations)

This new portable asphalt plant has potential to emit PM before control greater than 100 tons/yr and may be relocated to Clark, Dearborn, Dubois, Howard, Lake, Marion, Porter, St. Joseph, Vanderburgh, Vigo, or Wayne Counties. Therefore, the PM emission units at this portable asphalt plant are subject to the requirements of 326 IAC 6-1-2 (Nonattainment Area Limitations) and shall comply with the PM emission limit of 0.03 grain per dry standard cubic foot.

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

Particulate emissions from this asphalt plant is subject to the requirements of 40 CFR 60, Subpart I. Therefore, the PM emission units of this asphalt plant are exempt from the requirements of 326 IAC 6-3 are not applicable, pursuant to 326 IAC 6-3-1(c)(5).

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

The potential to emit SO_2 from the drum mixer is greater than 25 tons/yr. Therefore, the drum mixer at this source is subject to the requirement of 326 IAC 7-1.1-2. Pursuant to 326 IAC 7-1.1-2, the SO_2 emissions from the drum mixer shall not exceed the following:

(1) 1.6 lbs/MMBtu while burning waste oil.

(2) 0.5 lbs/MMBtu while burning No. 2 fuel oil.

326 IAC 8-5-2 (Asphalt Paving)

Pursuant to 326 IAC 8-5-2 (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 of any paving application except:

(a) Penetrating prime coating;

(b) Stockpile storage; and

(c) Application during the months of November, December, January, February, and March.

326 IAC 8-1-6 (New Facilities; General Reduction Requirement)

The potential VOC emissions from drum mixer is greater than 25 tons/yr. However, the VOC emissions from the asphalt plant are subject to the requirements of 326 IAC 8-5-2. Therefore, the requirements of 326 IAC 8-1-6 (BACT) are not applicable.

326 IAC 9-1 (Carbon Monoxide Emission)

This portable asphalt plant is not one of the source types listed in 326 IAC 9-1-2. Therefore, the requirements of 326 IAC 9-1 are not applicable to this drum mixer.

326 IAC 10-1 (Nitrogen Oxides Control in Clark and Floyd Counties)

This portable asphalt plant may relocate to Clark or Floyd Counties. However, this source is subject to the requirements of 40 CFR 60, Subpart I. Therefore, this source is not subject to the requirements of 326 IAC 10-1, pursuant to 326 IAC 326 IAC 10-1-1(a).

State Rule Applicability – Hot Oil Heater (#13) (Insignificant Activity)

326 IAC 6-1-2(a)(Nonattainment Area PM Limitations)

This new portable asphalt plant has potential to emit PM before control greater than 100 tons/yr and may be relocated to Clark, Dearborn, Dubois, Howard, Lake, Marion, Porter, St. Joseph, Vanderburgh, Vigo, or Wayne Counties. Therefore, the hot oil heater at this portable asphalt plant is subject to the requirements of 326 IAC 6-1-2 (Nonattainment Area Limitations) and shall comply with the PM emission limit of 0.03 grain per dry standard cubic foot.

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

The potential to emit SO_2 from the hot oil heater (#13) will be less than 25 tons/yr. Therefore, this hot oil heater is not subject to the requirement of 326 IAC 7-1.1-2.

State Rule Applicability - Degreasing Operation (Insignificant Activity)

326 IAC 8-3-2 (Cold Cleaner Operation)

Any degreaser using VOC containing solvents is considered a cold cleaning operation. The degreasing operation at this source will be constructed after January 1, 1980 and is subject to 326 IAC 8-3-2. Pursuant to 326 IAC 8-3-2, for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

(a) Equip the cleaner with a cover;

(b) Equip the cleaner with a facility for draining cleaned parts;

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

(d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) Provide a permanent, conspicuous label summarizing the operation requirements;

(f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control)

The degreasing operation at this source will be constructed after July 1, 1990 and will not be equipped with remote solvent reservoirs, therefore, this degreasing operation is subject to 326 IAC 8-3-5 and has the following requirements:

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser facility shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) the solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38^{o}C) (one hundred degrees Fahrenheit (100^{o}F));

(B) the solvent is agitated; or

(C) the solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater that four and three-tenths (4.3) kiloPascals (thirty-two (32 millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38^{o}C) (one hundred degrees Fahrenheit (100^{o}F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kilo Pascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38^{o}C) (one hundred degrees Fahrenheit (100^{o}F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^{o}C) (one hundred twenty degrees Fahrenheit (120^{o}F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5 (b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

State Rule Applicability – Storage Tanks (Insignificant Activities)

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

This source might be relocated to Clark or Floyd County. Therefore, the volatile organic liquid storage vessels of this source (Tanks #10, #11, and #12) are subject to 326 IAC 8-9. Since these storage tanks have capacities less than 39,000 gallons, these tanks are subject to the reporting and record keeping provisions of 326 IAC 8-9-6(a) and (b), which have the following requirements:

(a) The owner or operator of each vessel shall maintain records for the life of the vessel for the following information:

(1) The vessel identification number.

(2) The vessel dimensions.

(3) The vessel capacity.

(b) A report containing the information described in (a) shall be submitted to IDEM, OAQ.

Testing Requirements

The drum mixer, the slat conveyor, the asphalt load-out process, and the aggregate conveyors are subject to the requirements of 40 CFR 60, Subpart I. Pursuant to 40 CFR 60.93, the Permittee shall perform PM and opacity tests for the affective facilities within 60 days after achieving the maximum production, but not later than 180 days after initial startup of this asphalt plant.

In order to demonstrate compliance with the FESOP and PSD minor limits, the Permittee shall perform PM10 and PM tests for the drum dryer/mixer within 60 days after achieving the maximum production, but not later than 180 days after initial startup of this asphalt plant. PM10 includes filterable PM10 and condensible PM10.

VOC, NO_x, and SO_2, emission testing is not required by this permit. VOC emissions will be determined using records of the amount and type of emulsion used. NO_x and SO_2 emissions will be determined using records of the amount, type, and sulfur content of each fuel burned.

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 in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the approporiate corrective actions within a specific time period.

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

1. The drum dryer/mixer, which will be controlled by baghouse #8, has applicable compliance monitoring conditions as specified below:

    (a) Visible emission notations of the baghouse stack exhaust (stack S-1) shall be performed once per shift during normal daylight. A trained employee shall 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 equipped with the drum dryer/mixer at least once per shift when the drum dryer/mixer is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 1.0 to 8.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

    (c) An inspection shall be performed each calendar quarter of all bags controlling drum dryer/mixer. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced. 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. 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. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired

or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(2) For single compartment baghouses, 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.

These monitoring conditions are necessary because this drum dryer/mixer must operate properly to ensure compliance with NSPS, Subpart I, 326 IAC 2-2 (PSD), 326 IAC 2-8 (FESOP), and 326 IAC 6-1-2(a)(Nonattainment Area PM Limitations).

2. The slat conveyor, the asphalt load-out process, and the aggregate conveyors have applicable compliance monitoring conditions as specified below:

Visible emission notations of the exhausts from the slat conveyor, the asphalt load-out process, and the aggregate conveyors 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. 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.

These monitoring conditions are necessary because the slat conveyor, the asphalt load-out process, and the aggregate conveyors must operate properly to ensure compliance with NSPS, Subpart I, 326 IAC 2-2 (PSD), 326 IAC 2-8 (FESOP), and 326 IAC 6-1-2(a)(Nonattainment Area PM Limitations).

Conclusion

The construction and operation of this portable asphalt plant shall be subject to the conditions of FESOP 153-18870-05258.

Appendix A: Emission Calculations
No. 2 Fuel Oil Combustion
(MMBtu/hr > 100)
From 135 MMBtu/hr Burner for the Drum Dryer/Mixer

Company Name: Wabash Valley Asphalt
Address: 937 S. Section St., Sullivan, IN 47882
FESOP #: 153-18870-05258
Reviewer: ERG/YC
Date: June 17, 2004

Heat Input Capacity MMBtu/hr	Fuel Usage Limit kgal/yr	S = Weight % Sulfur
100	1,150	0.5

	Pollutant					
	*PM	*PM10	SO_2	NO_x	*VOC	CO
Emission Factor in lbs/kgal	-	-	78.5 *(157 S)*	24.0	-	5.0
Unlimited Potential to Emit in tons/yr	-	-	**246**	**75.1**	-	**15.6**
Limited Potential to Emit in tons/yr	-	-	**45.1**	**13.8**	-	**2.88**

* PM, PM10, and VOC emission calculations for the drum mixer are listed in page 4 of this appendix.
Emission factors are from AP-42, Tables 1.3-1, 1.3-2, and 1.3-3 (AP-42, 09/98).

Methodology

1 gallon of No. 2 fuel oil has a heating value of 140,000 Btu.
Unlimited PTE (tons/yr) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 kgal/1,000 gal x 1 gal/0.140 MMBtu x Emission Factor (lbs/kgal) x 1 ton/2000 lbs
Limited PTE (tons/yr) = Fuel Usage Limit (kgal/yr) x Emission Factor (lbs/kgal) x 1 ton/2000 lbs