



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
MC 61-53
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant
DATE: January 23, 2008
RE: Rieth-Riley Construction / 127-25248-05241
FROM: Matthew Stuckey, Deputy Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

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

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

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

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

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

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

Enclosures
FNPER.dot12/03/07



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Mr. Edward J. Clements
Rieth-Riley Construction Co., Inc.
P.O. Box 477
Goshen, Indiana 46527

January 23, 2008

Re: 127-25248-05241
First Significant Revision to
FESOP 097-18257-05241

Dear Mr. Clements:

Rieth-Riley Construction Co., Inc. was issued a Federally Enforceable State Operating Permit (FESOP) on June 30, 2004 for a hot drum mix asphalt plant. A letter requesting changes to this permit was received on September 5, 2005. Pursuant to the provisions of 326 IAC 2-8-11.1 a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of changes in the FESOP limits and relocation of the source to Porter County from Knox County.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Please find attached a copy of the revised permit.

Pursuant to Contract No. A305-5-65, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Stacie Enoch, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7895 to speak directly to Ms. Enoch. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251, or call (800) 451-6027 and ask for Duane Van Laningham or extension 3-6878, or dial (317) 233-6878.

Sincerely,

Original signed by
Matthew Stuckey, Deputy Branch Chief
Permits Branch
Office of Air Quality

Attachments
ERG/SE

cc: File - Porter County
U.S. EPA, Region V
Porter County Health Department
IDEM - Northwest Regional Office
Air Compliance Section Inspector
Compliance Data Section
Administrative and Development
Technical Support and Modeling
Billing, Licensing and Training Section



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FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

Rieth - Riley Construction Co., Inc. Portable

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

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 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.

Operation Permit No.: F097-18257-05241	
Issued by: Originally Signed on 6/30/04 by John B. Chavez, Administrator Office of Environmental Services	Issuance Date: June 30, 2004 Expiration Date: June 29, 2009
Relocation No.: 127-21095-05241, issued April 14, 2005 First Administrative Amendment No.: 127-22446-05241, issued January 10, 2006	
First Significant Permit Revision No.: 097-26248-05241	
Issued by: <i>Original signed by</i> Matthew Stuckey, Deputy Branch Chief Permits Branch Office of Qir Quality	Issuance Date: January 23, 2008 Expiration Date: June 29, 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 hot mix drum asphalt manufacturing source.

Source Address: Portable
Mailing Address: P.O. Box 477, Goshen, Indiana 46527-0477
General Source Phone: 574 - 875 - 5183
SIC Code: 2951
Source Location Status: Porter County
Nonattainment for the 8-hour Ozone Standard
Attainment for all other criteria pollutants
Source Status: Federally Enforceable State Operating Permit (FESOP)
Minor Source, under PSD or Emission Offset Rules;
Minor Source, Section 112 of the Clean Air Act
Not 1 of 28 Source Categories

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

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

- (a) One (1) Hot Mix Drum/Mixer Burner, rated at 100 million British thermal units (MMBtu) per hour, firing waste oil as a primary fuel and No. 2 distillate oil, No. 4 distillate oil, natural gas, butane gas, and propane as backup fuels, equipped with a baghouse for particulate matter control, exhausting through stack SV-1, identified as Emission Unit ID 3, capacity: 400 tons per hour of hot mix asphalt paving material.
- (b) One (1) hot oil heater, rated at 1.0 million British thermal units per hour and one (1) hot oil heater rated at 2.0 million British thermal units per hour, both firing distillate oil No. 2 as primary fuel with natural gas and propane gas as backup fuels, exhausting through stacks SV2 and SV14, respectively, and identified as Emission Units 14 and 14B, respectively.
- (c) Two (2) reciprocating internal combustion engines/generators, rated at 550 and 55 kilowatts (6.65 and 0.665 MMBtu hour heat input capacity), respectively, firing No. 2 Diesel fuel oil, exhausting through stacks SV9 and SV10, identified as Emission Units ID 16 and 17.
- (d) Five (5) Liquid Asphalt Storage Tanks, identified as Tank 13A, Tank 13B, Tank 13C, Tank 13D, and Tank 18, capacity: 35,000, 20,000, 15,000, 30,000 and 1,000 gallons, respectively, and exhausting through stacks SV3, SV4, and SV5, SV14, and SV13, respectively. Tank 18 is used only when calibrating the liquid asphalt metering system.
- (e) Two (2) waste oil storage tanks for Hot Mix Drum/Mixer Burner, identified as Tank 11A and Tank 11B, capacity: 10,000 gallons each, exhausting through stacks SV7 and SV8.
- (f) One (1) No. 2 Distillate fuel oil storage tank for Hot Oil Heater, identified as Tank 12A, capacity: 350 gallons, exhausting through stack SV6.
- (g) Two (2) No. 2 Distillate fuel oil storage tanks for reciprocating internal combustion engines/generators, capacity: 1,200 gallons each, identified as Tank 12B and Tank 12C, exhausting through stacks SV11 and SV12 respectively.

- (h) Cold-mix cutback asphalt production.

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

- (a) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons.
- (b) 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.
- (c) The following VOC and HAP storage containers: vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.

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).

SECTION B GENERAL CONDITIONS

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

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

B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4][326 IAC 2-8]

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 and [326 IAC 2-8] when prior to the start of operation, the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.
- (b) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.
- (c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

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

- (a) This permit, F097-18257-05241, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.5 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.6 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.7 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.8 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.9 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.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. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.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 no later than April 15 of each year to:

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;

- (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
- (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

B.12 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.13 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

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

limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

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

Telephone Number: 317-233-0178 (ask for Compliance Section)

Facsimile Number: 317-233-6865

Northwest Regional Office phone: (219) 757-0265; fax: (219) 757-0267.

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

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

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

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

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.15 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to F097-18257-05241 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

B.16 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.17 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 Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

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

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

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

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

B.18 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 Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.19 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.20 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.21 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
 - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
 - (4) The Permittee notifies the:

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

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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

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

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

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

B.22 Source Modification Requirement [326 IAC 2-8-11.1]

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

B.23 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

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

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

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

B.24 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.25 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.26 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

(a) Pursuant to 326 IAC 2-8:

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

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

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

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

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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

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

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on October 15, 2003. The plan is included as Attachment A.

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

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

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

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

- (a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval. All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

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

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

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted

by IDEM, OAQ if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

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

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

C.15 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:

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

within 180 days from the date on which this source commences operation.

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

- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.16 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.17 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

- (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
- (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

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

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

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

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

C.19 Emission Statement [326 IAC 2-6]

- (a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit an emission statement by July 1 following a calendar year when the source emits oxides of nitrogen or volatile organic compounds into the ambient air equal to or greater than twenty-five (25) tons. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

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

- (b) The emission statement 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.20 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.21 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

C.22 Relocation of Portable Sources [326 IAC 2-14-4]

- (a) This permit is approved for operation all attainment areas for ozone in Indiana and in Porter County which is classified as severe nonattainment for ozone. This determination is based on the requirements of Prevention of Significant Deterioration in 326 IAC 2-2, and Emission Offset requirements in 326 IAC 2-3. Prior to locating in any other severe nonattainment area, the Permittee must submit a request and obtain a permit revision.
- (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) 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.23 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)]:

- (a) One (1) Hot Mix Drum/Mixer Burner, rated at 100 million British thermal units (MMBtu) per hour, firing waste oil as a primary fuel and No. 2 distillate oil, No. 4 distillate oil, natural gas, butane gas, and propane as backup fuels, equipped with a baghouse for particulate matter control, exhausting through stack SV1, identified as Emission Unit ID 3, capacity: 400 tons per hour of hot mix asphalt paving material.
- (b) One (1) hot oil heater, rated at 1.0 million British thermal units per hour and one (1) hot oil heater rated at 2.0 million British thermal units per hour, both firing distillate oil No. 2 as primary fuel with natural gas and propane gas as backup fuels, exhausting through stacks SV2 and SV14, respectively, and identified as Emission Units 14 and 14B, respectively.
- (c) Two (2) reciprocating internal combustion engines/generators, rated at 550 and 55 kilowatts (6.65 and 0.665 MMBtu hour heat input capacity), respectively, firing No. 2 Diesel fuel oil, exhausting through stacks SV9 and SV10, identified as Emission Units ID 16 and 17.
- (d) Five (5) Liquid Asphalt Storage Tanks, identified as Tank 13A, Tank 13B, Tank 13C, Tank 13D, and Tank 18, capacity: 35,000, 20,000, 15,000, 30,000 and 1,000 gallons, respectively, and exhausting through stacks SV3, SV4, and SV5, SV14, and SV13, respectively. Tank 18 is used only when calibrating the liquid asphalt metering system.
- (e) Two (2) waste oil storage tanks for Hot Mix Drum/Mixer Burner, identified as Tank 11A and Tank 11B, capacity: 10,000 gallons each, exhausting through stacks SV7 and SV8.
- (f) One (1) No. 2 Distillate fuel oil storage tank for Hot Oil Heater, identified as Tank 12A, capacity: 350 gallons, exhausting through stack SV6.
- (g) Two (2) No. 2 Distillate fuel oil storage tanks for reciprocating internal combustion engines/generators, capacity: 1,200 gallons each, identified as Tank 12B and Tank 12C, exhausting through stacks SV11 and SV12 respectively.
- (h) Cold-mix cutback asphalt production.

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

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

D.1.1 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]

The provisions of 40 CFR 60 Subpart A - General Provisions, which are incorporated as 326 IAC 12-1, apply to the facility described in this section except when otherwise specified in 40 CFR 60 Subpart I.

D.1.2 PM, PM₁₀, CO, and VOC Limitations for the Aggregate Dryer/Mixer [326 IAC 2-8-4] [326 IAC 2-2]

Pursuant to 326 IAC 2-8-4 and to render the requirements of 326 IAC 2-2 not applicable, the emissions from the aggregate dryer/mixer and the loadout and yard emissions shall be limited as follows:

- (a) The asphalt production rate shall be limited to less than 1,000,000 tons per 365 consecutive day period with compliance determined at the end of each day.
- (b) PM emissions from the aggregate dryer/mixer shall be limited to less than 0.132 pounds of PM per ton of asphalt produced.
- (b) PM₁₀ emissions from the aggregate dryer/mixer shall be limited to less than 0.107 pounds of PM₁₀ per ton of asphalt produced.

- (c) CO emissions from the aggregate dryer/mixer shall be limited to less than 0.13 pounds of CO per ton of asphalt produced.
- (e) VOC emissions from the aggregate dryer/mixer shall be limited to less than 0.032 pounds of VOC per ton of asphalt produced.

Compliance with these limits, combined with the limits and emissions from other emission units at this source, will render 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable.

D.1.3 Particulate Matter (PM) [40 CFR 60.90]

Pursuant to the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.90, Subpart I), no owner or operator subject to the provisions of Subpart I shall discharge into the atmosphere from any affected facility any gases which:

- (a) Contain particulate matter in excess of 0.04 grains per dry standard cubic foot; or
- (b) Exhibit twenty (20%) percent opacity, or greater.

D.1.4 Sulfur Dioxide (SO₂) [326 IAC 2-8-4] [326 IAC 2-2]

(a) Pursuant to 326 IAC 2-8-4, the SO₂ emissions from the aggregate mixer/dryer burner and the internal combustion engines shall be limited as follows:

- (1) The usage of waste oil for the aggregate dryer burner and the two (2) internal combustion engines shall be limited to less than 1,269,000 gallons or equivalent per 365 consecutive day period, with compliance determined at the end of each day.

For the purpose of determining compliance with this limit:

- (A) Every gallon of No. 2 fuel oil shall be equivalent to 0.534 gallons of waste oil. However, the No. 2 fuel usage shall in no case exceed 2,377,000 gallons per 365 consecutive day period.
 - (B) Every gallon of No. 4 fuel oil shall be equivalent to 0.510 gallons of waste oil. However, the No. 4 fuel usage shall in no case exceed 2,488,000 gallons per 365 consecutive day period.
 - (C) Every hour of operation of the 0.665 MMBtu per hour engine shall be equivalent to 1.31 gallons of waste oil.
 - (D) Every hour of operation of the 6.65 MMBtu per hour engine shall be equivalent to 22.8 gallons of waste oil.
- (2) The sulfur content of the waste oil shall be limited to 1.00% by weight.
 - (3) The sulfur content of the No. 2 and No. 4 fuel oil shall not exceed 0.5% by weight.

Compliance with these limits, combined with the SO₂ emissions from other units at the source, will limit source-wide SO₂ emissions to less than 100 tons per year. Compliance with these limits will render 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable.

D.1.5 Nitrogen Oxides (NO_x) [326 IAC 2-8-4]

(a) Pursuant to 326 IAC 2-8-4, the NO_x emissions from the aggregate mixer/dryer burner and the internal combustion engines shall be limited as follows:

- (1) The usage of natural gas for the aggregate dryer burner and the two (2) internal combustion engines shall be limited to less than 1,031 million cubic feet or equivalent per 365 consecutive day period, with compliance determined at the end of each day.

For the purpose of determining compliance with this limit:

- (A) Every 1,000 gallons of No. 2 fuel oil shall be equivalent to 0.162 million cubic feet of natural gas. However, the No. 2 fuel usage shall in no case exceed 2,377,000 gallons per 365 consecutive day period.
- (B) Every 1,000 gallons of No. 4 fuel oil shall be equivalent to 0.247 million cubic feet of natural gas. However, the No. 4 fuel usage shall in no case exceed 2,488,000 gallons per 365 consecutive day period.
- (C) Every 1,000 gallons of butane or propane shall be equivalent to 0.111 million cubic feet of natural gas. However, the propane and butane fuel usage shall in no case exceed 9,324,000 gallons per 365 consecutive day period.
- (D) Every 1,000 gallons of waste oil shall be equivalent to 0.139 million cubic feet of natural gas. However, the waste oil fuel usage shall in no case exceed 1,269,000 gallons per 365 consecutive day period.
- (E) Every hour of operation of the 0.665 MMBtu per hour engine shall be equivalent to 0.015 million cubic feet of natural gas; and
- (F) Every hour of operation of the 6.65 MMBtu per hour engine shall be equivalent to 0.112 million cubic feet of natural gas.

Compliance with these limits, combined with the NOx emissions from other units at the source, will limit source-wide NOx emissions to less than 100 tons per year. Compliance with these limits will render 326 IAC 2-7 (Part 70 Permit Program), 326 IAC 2-2 (PSD), and 326 IAC 2-3 (Emission Offset) not applicable.

D.1.6 Volatile Organic Compounds (VOC) [326 IAC 2-8-4] [326 IAC 2-2] [326 IAC 2-3]

- (a) Pursuant to 326 IAC 2-8-4, the VOC solvent used as diluent in the liquid binder used in cold mix asphalt production from the plant shall be limited such that less than 2.72 tons of VOC emissions are emitted per 365 consecutive day period with compliance determined at the end of each day. This shall be achieved by limiting the total VOC solvent of any one selected binder as follows.

When more than one binder is used, the formula in (6) must be applied so that the total VOC emitted is less than 2.72 tons per 365 consecutive day period.

- (1) Cut back asphalt rapid cure, containing a maximum of 25.3% of the liquid binder by weight of VOC solvent and 95% by weight of VOC solvent evaporating.
- Cutback asphalt rapid cure liquid binder usage shall not exceed 2.86 tons of VOC solvent per 365 consecutive day period with compliance determined at the end of each day.
- (2) Cut back asphalt medium cure, containing a maximum of 28.6% of the liquid binder by weight of VOC solvent and 70% by weight of VOC solvent evaporating.
- Cutback asphalt medium cure liquid binder usage shall not exceed 3.89 tons of VOC solvent per 365 consecutive day period with compliance determined at the end of each day.

- (3) Cut back asphalt slow cure, containing a maximum of 20% of the liquid binder by weight of VOC solvent and 25% by weight of VOC solvent evaporating.

Cutback asphalt slow cure liquid binder usage shall not exceed 10.9 tons of VOC solvent per 365 consecutive day period with compliance determined at the end of each day.

- (4) 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

Emulsified asphalt with solvent liquid binder usage shall not exceed 5.86 tons of VOC solvent per 365 consecutive day period with compliance determined at the end of each day.

- (5) 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

Other asphalt with solvent liquid binder shall not exceed 108 tons of VOC solvent per 365 consecutive day period with compliance determined at the end of each day.

- (6) The VOC solvent allotments in (1) through (5) above shall be adjusted when more than one type of binder is used per 365 consecutive day period. In order to determine the tons of VOC emitted per each type of binder, use the following formula and divide the tons of VOC solvent used for each type of binder by the corresponding adjustment factor listed in the table that follows.

$$\text{VOC Emitted (tons/day)} = \frac{\text{VOC solvent used for each binder (tons/day)}}{\text{Adjustment factor}}$$

Type of Binder	Adjustment Factor
Cutback Asphalt Rapid Cure	1.053
Cutback Asphalt Medium Cure	1.429
Cutback Asphalt Slow Cure	4.0
Emulsified Asphalt	2.155
Other Asphalt	40.0

Compliance with these limits, combined with the VOC emissions from other units at this source, will limit source-wide VOC emissions to less than 25 tons per year and render 326 IAC 2-7 (Part 70 Permit Program), 326 IAC 2-2 (PSD), 326 IAC 2-3 (Emission Offset) not applicable.

D.1.7 Hazardous Air Pollutants (HAPs) [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4, the following limits shall apply to the aggregate dryer:

- (a) The lead emissions from the aggregate dryer shall be limited to 7.8 pounds of lead per kilogallon (lb/kgal) of waste oil combusted.

- (b) The usage of waste oil or waste oil equivalents in the burner for the aggregate dryer shall be limited to less than 1,269,000 gallons (1,269 kilogallons) per 365 consecutive day period, with compliance determined at the end of each day.
- (c) The HCl emissions from the burner for the aggregate dryer shall be limited to less than 9.5 tons per 365 consecutive day period with compliance determined at the end of each day.

Compliance with these limits will limit the source-wide emissions of HCl to less than 10 tons per year and source-wide emissions of lead to less than 5.0 tons per year. Compliance with these limits will also limit source-wide emissions of combined HAPs to less than 25 tons per year. Therefore, compliance with these limits renders 326 IAC 2-7 (Part 70) not applicable.

D.1.8 PM and PM10 Emissions [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8, the Permittee shall control PM and PM10 emissions from paved and unpaved roads according to the fugitive dust plan submitted on October 15, 2003, which is included as Attachment A to the permit.

D.1.9 Volatile Organic Compounds (VOC) [326 IAC 8-5-2]

Pursuant to 326 IAC 8-5-2 (Miscellaneous Operations: asphalt paving), the owner or operator shall not cause or allow the use of asphalt emulsion containing more than seven (7.0) percent oil distillate by volume of emulsion for any paving application except the following purposes:

- (a) penetrating prime coating
- (b) stockpile storage
- (c) application during the months of November, December, January, February, and March

D.1.10 Sulfur Dioxide (SO₂) Emission Limitations [326 IAC 7-1.1-1] [326 IAC 7-1.1-2]

Pursuant to 326 IAC 7-1.1-2, sulfur dioxide emissions from the aggregate dryer burner shall be limited as follows:

- (a) One and six-tenths (1.6) pounds per MMBtu for residual oil combustion, and
- (b) Five-tenths (0.5) pound per MMBtu for distillate oil combustion.

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 the drum mixer/dryer burner and any control devices.

D.1.12 Particulate Emissions [326 IAC 6-2]

Pursuant to 326 IAC 6-2-4, the particulate emissions from each hot oil heater shall be limited to 0.6 pounds per MMBtu heat input.

Compliance Determination Requirements

D.1.13 Testing Requirements [326 IAC 2-8-5(1), (4)] [326 IAC 2-1.1-11]

The Permittee shall perform PM and PM₁₀ testing in order to demonstrate compliance with Conditions D.1.2 and D.1.3 utilizing methods as approved by the Commissioner. These tests shall be conducted within one-hundred eighty (180) days after startup of the plant operation, and shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. PM₁₀ includes filterable and condensable PM₁₀. Testing shall be conducted in accordance with Section C- Performance Testing.

D.1.14 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Condition D.1.10 shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed one and six-tenths (1.6) pounds per MMBtu for residual oil combustion and five-tenths (0.5) pounds per million Btu heat input for distillate oil combustion 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 96.8 MMBtu per hour burner, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

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

D.1.15 Hydrogen Chloride (HCl) Emissions and Chlorine Content

- (a) In order to demonstrate compliance with Condition D.1.7(c), the Permittee shall use the following equation:

$$E = (U \times 66Cl) + P$$

Where: E = actual HCl emissions per 365 consecutive day period;
U = actual waste oil used in kilogallons per day;
Cl = weight percent of Cl in waste oil per day; and
P = actual HCl emissions from previous 364 consecutive day period.

- (b) In order to determine the weight percent of Cl from the waste oil combusted, the Permittee shall use a vendor analysis of the fuel delivered accompanied by a vendor certification.

D1.16 Used Oil Requirements [329 IAC 13]

The waste oil burned in the aggregate dryer shall comply with the used oil requirements specified in 329 IAC 13 (Used Oil Management). Pursuant to 329 IAC 13-3-2 (Used Oil Specifications), used oil burned for energy recovery that is classified as off-specification used oil fuel shall comply with the provisions of 329 IAC 13-8 (Used Oil Burners Who Burn Off-specification Used Oil For Energy Recovery), including:

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

The burning of mixtures of used oil and hazardous waste that is regulated under 329 IAC 3.1 is prohibited at this source.

D.1.17 Particulate Control

In order to comply with Conditions D.1.2 and D.1.3, the baghouse for PM and PM₁₀ control shall be in operation and control emissions from the drum mixer/dryer at all times that the drum mixer/dryer is in operation.

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

D.1.18 Visible Emissions Notations

- (a) Visible emission notations of the conveyers, material transfer points, and the drum mixer/burner stack exhaust 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) Section C - Response to Excursions and Exceedances 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 - Response to Excursions and Exceedances, shall be considered a deviation from this permit.

D.1.19 Parametric Monitoring

- (a) The Permittee shall record the pressure drop across the baghouse used in conjunction with the mixer/dryer, at least once per day when the drying/mixing process is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 9.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions and Exceedances. 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 - Response to Excursions and Exceedances, shall be considered a deviation from this permit.
- (b) The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.1.20 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For a single compartment baghouses controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has 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).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emission unit. 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).

Bag failure can be indicated by a significant drop in the baghouse=s pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

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

D.1.21 Record Keeping Requirements

- (a) To document compliance with Condition D.1.2, the Permittee shall maintain daily records of asphalt production.
- (b) To document compliance with Conditions D.1.4, D.1.5, D.1.7, and D.1.10, the Permittee shall maintain records in accordance with (1) through (7) below. Records maintained for (1) through (7) shall be taken daily and shall be complete and sufficient to establish compliance with the SO₂, NO_x, and HCl emission limits established in Conditions D.1.4, D.1.5 and D.1.7.

- (1) Calendar dates covered in the compliance determination period;
- (2) Actual fuel usage of each fuel used since last compliance determination period and equivalent sulfur dioxide, nitrogen oxide emissions, and hydrochloric acid 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; 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;
 - (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil, or waste oil, and a statement from the fuel supplier that certifies the chlorine content of the waste oil; and
 - (7) Amount of hours of operation of each of the two (2) reciprocating internal combustion engines.
- (c) To document compliance with Condition D.1.6, the Permittee shall document VOC usage as follows:
- (1) Amount and type of liquid binder used in the production of cold mix asphalt each day;
 - (2) Type and VOC solvent content by weight of the liquid binder used in the production of cold mix asphalt each day;
 - (3) Amount of VOC solvent used in the production of cold mix asphalt each day.

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 Condition D.1.18, the Permittee shall maintain a daily record of visible emission notations of the conveyors, transfer points, and the dryer/burner stack exhaust SV1. The Permittee shall include in its daily record when a

visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

- (e) To document compliance with Condition D.1.19, the Permittee shall maintain a daily record of the pressure drop across the baghouse. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).
- (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.22 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.2, D.1.4, D.1.5, D.1.6 and D.1.7 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).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Rieth - Riley Construction Co., Inc.
Source Address: Portable
Mailing Address: P.O. Box 477, Goshen, Indiana 46527-0477
FESOP No.: F097-18257-05241

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:

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

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

Source Name: Rieth - Riley Construction Co., Inc.
Source Address: Portable
Mailing Address: P.O. Box 477, Goshen, Indiana 46527-0477
FESOP No.: F097-18257-05241

This form consists of 2 pages

Page 1 of 2

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

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.

DRAFT

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

FESOP Quarterly Report

Source Name: Rieth-Riley Construction Co., Inc.
 Source Address: Portable
 Mailing Address: P.O. Box 477, Goshen, Indiana, 46527-0477
 FESOP Permit No.: F097-18257-05241
 Facility: Aggregate dryer burner and engines
 Parameter: Waste oil and equivalent usage limit to limit SO₂ and lead emissions
 Limit: The usage of waste oil with a sulfur content of 1.00% and waste oil equivalents in the burner for the aggregate dryer shall be limited to 1,269,000 U.S. gallons per 365 consecutive day period with compliance determined at the end of each day.

MONTH: _____

YEAR: _____

Day	Waste oil usage this day (gallons)	No. 4 distillate oil usage this day (gallons)	No. 2 distillate oil usage this day (gallons)	Hours of Operation of 6.650 MMBtu/hr engine this day (hours)	Hours of Operation of 0.665 MMBtu/hr engine this day (hours)	Daily waste oil equivalent in gallons (0.510 x No. 4 distillate oil) (0.534 x No. 2 distillate oil) (22.85 x hours 6.650 MMBtu/hr engine) (1.312 x hours 0.665 MMBtu/hr engine)	Total waste oil equivalent usage this day (gallons)	Waste oil equivalent usage previous 364 days (gallons)	365 day total waste oil equivalent usage (gallons)
1									
2									
3									
4									
5									
6									
7									
8									
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12									
13									
14									
15									
16									
17									

DRAFT

Day	Waste oil usage this day (gallons)	No. 4 distillate oil usage this day (gallons)	No. 2 distillate oil usage this day (gallons)	Hours of Operation of 6.650 MMBtu/hr engine this day (hours)	Hours of Operation of 0.665 MMBtu/hr engine this day (hours)	Daily waste oil equivalent in gallons (0.510 x No. 4 distillate oil) (0.534 x No. 2 distillate oil) (22.85 x hours 6.650 MMBtu/hr engine) (1.312 x hours 0.665 MMBtu/hr engine)	Total waste oil equivalent usage this day (gallons)	Waste oil equivalent usage previous 364 days (gallons)	365 day total waste oil equivalent usage (gallons)
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									

9 No deviation occurred in this quarter.

9 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.

DRAFT

Day	Waste oil usage this day (gallons)	Weight % of Chlorine in waste oil burned this day (%)	Amount of HCL emitted this day (tons)	Waste oil usage previous 364 days (gallons)	Avg. weight % of Chlorine in waste oil burned previous 364 days (%)	Amount of HCl emitted previous 364 days (tons)	365 day total waste oil usage (gallons)	Avg. weight % of Chlorine in waste oil burned 365 day total (%)	365 day total HCl emitted (tons)
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									

9 No deviation occurred in this quarter.

9 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.

DRAFT

Day	Natural gas usage this day (MMcf)	Waste oil usage this day (gallons)	No. 4 distillate oil usage this day (gallons)	No. 2 distillate oil usage this day (gallons)	Butane gas usage this day (gallons)	Propane gas usage this day (gallons)	Hours of Operation of 6.650 MMBtu/hr engine this day (hours)	Hours of Operation of 0.665 MMBtu/hr engine this day (hours)	Daily natural gas equivalent MMcf (0.000139 x waste oil usage gallons) (0.000247 x No. 4 distillate oil usage gallons) (0.000162 x No. 2 distillate oil usage gallons) (0.000111 x butane usage gallons) (0.000111 x propane usage gallons) (0.112 x hours 6.650 MMBtu/hr engine) (0.015 x hours 0.665 MMBtu/hr engine)	Total natural gas equivalent usage this day (MMcf)	Natural gas equivalent usage previous 364 days (MMcf)	365 day total natural gas equivalent usage (MMcf)
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												

9 No deviation occurred in this quarter.

9 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.

DRAFT

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

FESOP Quarterly Report

Source Name: Rieth-Riley Construction Co., Inc.
 Source Address: Portable
 Mailing Address: P.O. Box 477, Goshen, Indiana, 46527-0477
 FESOP Permit No.: F097-18257-05241
 Facility: Aggregate dryer burner, load out, and yard
 Parameter: Asphalt production rate to limit PM/PM10 emissions
 Limit: The asphalt production rate shall be limited to less than 1,000,000 tons per 365 consecutive day period with compliance determined at the end of each day.

MONTH: _____

YEAR: _____

Day	Amount of asphalt produced this day (tons)	Amount of asphalt produced previous 364 days (tons)	365 day total amount of asphalt produced (tons)	Day	Amount of asphalt produced this day (tons)	Amount of asphalt produced previous 364 days (tons)	365 day total amount of asphalt produced (tons)
1				17			
2				18			
3				19			
4				20			
5				21			
6				22			
7				23			
8				24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			
16							

9 No deviation occurred in this quarter.

9 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.

DRAFT

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

FESOP Quarterly Report

Source Name: Rieth-Riley Construction Co., Inc.
 Source Address: Portable
 Mailing Address: P.O. Box 477, Goshen, Indiana, 46527-0477
 FESOP Permit No.: F097-18257-05241
 Facility: Cold mix asphalt production
 Parameter: VOC Emissions
 Limit: Less than 2.72 tons per 365 consecutive day period.

MONTH: _____

YEAR: _____

Day	Type of Binder Used This Day	Tons of Cold Mix Made This Day (Tons)	Binder Content of Cold Mix Today (Tons)	Diluant Content in Binder (%)	Diluent Usage This Day (Tons)	VOC Evaporation From Diluant (%)	VOC Emissions This Day (Tons)	Diluant Usage Previous 364 days (Tons)	VOC Emissions Previous 364 Days (Tons)	Diluant Usage 365 Day Total (Tons)	VOC Emissions 365 Day Total Usage (Tons)
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											

DRAFT

Day	Type of Binder Used This Day	Tons of Cold Mix Made This Day (Tons)	Binder Content of Cold Mix Today (Tons)	Diluant Content in Binder (%)	Diluent Usage This Day (Tons)	VOC Evaporation From Diluant (%)	VOC Emissions This Day (Tons)	Diluant Usage Previous 364 days (Tons)	VOC Emissions Previous 364 Days (Tons)	Diluant Usage 365 Day Total (Tons)	VOC Emissions 365 Day Total Usage (Tons)
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											

9 No deviation occurred in this quarter.

9 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: Rieth - Riley Construction Co., Inc.
Source Address: Portable
Mailing Address: P.O. Box 477, Goshen, Indiana 46527-0477
FESOP No.: F097-18257-05241

Months: _____ to _____ Year: _____

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked ANo deviations occurred this reporting period@.</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> 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.

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 **the Rieth - Riley Construction Co., Inc.** constructed the portable hot mix drum asphalt manufacturing plant in conformity with the requirements and intent of the FESOP permit application received by the Indianapolis Office of Environmental Services on October 10, 2003 and as permitted pursuant to the **Construction Permit 097-18257-05241**, 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 _____, _____

My Commission expires: _____

Signature

Date

ATTACHMENT A

Asphalt Plant Site Fugitive Dust Control Plan

Fugitive particulate matter emissions shall be controlled according to the following plan.

- (a) unpaved roads shall be controlled by one or more of the following:
 - (1) treating with water on an as-needed basis.
 - (2) paving with asphalt.
 - (3) treating with emulsified asphalt on an as-needed basis.
 - (4) double chip and seal the road surface on an as-needed basis.

- (b) dust from storage piles shall be controlled by one or more of the following measures:
 - (1) treating the stockpile area with water on an as-needed basis.
 - (2) treating the stockpiles with water on an as-needed basis.
 - (3) maintain minimum size and number of aggregate storage piles.
 - (4) treating stockpiles with emulsified asphalt on an as needed basis.

- (c) dust from outdoor conveying of aggregates shall be controlled by applying water at the feed and intermediate points on an as needed basis.

- (d) dust from the transferring of aggregates shall be controlled by one or more of the following measures:
 - (1) minimize the vehicular distance between transfer points and enclose transfer points.
 - (2) apply water to transfer points on an as-needed basis.
 - (3) enclose the transfer points.

- (e) dust from the transportation of aggregate by truck, front end loader, etc., shall be controlled by one or more of the following measures:
 - (1) tarping aggregate hauling vehicles.
 - (2) maintain 10 mile per hour speed limits.
 - (3) maintain vehicle bodies in a condition that prevents leakage.
 - (4) spray aggregates with water.

- (f) dust from the loading and unloading of aggregates shall be controlled by one or more of the following measures:
 - (1) reduce free fall distance to a minimum.
 - (2) reduce the rate of discharge.
 - (3) spray water on aggregates on an as-needed basis.

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

**Addendum to the Technical Support Document
for Significant Permit Revision to a Federally Enforceable State Operating
Permit (FESOP)**

Source Background and Description

Source Name:	Rieth-Riley Construction Co., Inc.
Source Location:	Portable
County:	Porter
SIC Code:	2951
Operation Permit No.:	F097-18257-05241
Operation Permit Issuance Date:	June 30, 2004
Significant Permit Revision No.:	127-25248-05241
Permit Reviewer:	ERG/SE

On December 13, 2007, the Office of Air Quality (OAQ) had a notice published in the Chesterton Tribune in Chesterton, Indiana, stating that Rieth-Riley Construction Co., Inc. (Rieth-Riley) had applied for a Significant Permit Revision to a Federally Enforceable State Operating Permit (FESOP) to revise the FESOP limits and to relocate the source to Porter County. 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 January 14, 2008, UGN, Inc. (UGN) submitted comments on the proposed permit revision. The summary of the comments is as follows:

Comment #1:

A UGN plant is located adjacent to the proposed location for this Rieth-Riley asphalt plant. At this plant, UGN manufactures various items that are installed into the interior portions of automobiles, primarily sound insulation parts, dashboard parts, floor carpeting systems, and interior headliners. These parts are required to remain odor free by UGN customers. UGN has raw materials that can react with various particulate matter and chemical-type pollutants, which would diminish the integrity of the finished products. This could result in large negative economic consequences to UGN. The proposed location of the asphalt plant is in close proximity of the loading docks at the west-end of the UGN plant. These doors must remain open a large amount of time. There is additional concern that pollutants will enter the air-intakes on the roof of the plant. If the asphalt plant intends to process slag as an aggregate, we request that prior to issuance of the permit Rieth-Riley be required to submit documentation of the additional SO_x potential emissions caused by use of slag. We also request that they be required to perform annual stack testing while processing slag in order to demonstrate compliance with their permit limits for SO_x.

Response to Comment #1:

Rieth-Riley will use slag as an aggregate at the proposed plant location. Slag is a by-product created at steel manufacturing plants. The slag is created and crushed to the correct size at the steel manufacturing plant and is then delivered to the asphalt plant as a solid material (with a consistency similar to pumice) to be mixed into the asphalt in the same manner that other aggregate materials (e.g., sand) are used. The aggregate materials, including slag, are mixed into the hot asphalt, but this material is not combusted. The SO₂ emissions from the asphalt plant are the result of combustion of fuel for the drum mixer/burner, reciprocating engines, and hot oil heaters. The handling of slag and use of slag as an aggregate in the asphalt mixture does not generate SO₂ emissions. Therefore, Rieth-Riley will be able to comply with the permitted SO₂ limit shown in the table below by limiting fuel usage. Slag storage piles have the potential to emit particulates; and the potential to emit particulates from slag storage at Rieth-Riley have been included in the attached calculations (see Attachment A to this TSD Addendum). The limited potential to emit of the source after this revision is as follows:

Process/facility	Potential to Emit (tons/year)						
	PM	PM10 ⁽¹⁾	SO ₂	VOC	CO	NO _x	HAPs
Drum Mixer/Burner	66.0	54.0	Less than 93.3	16.0	65.0	Less than 97.9	Less than 9.9 for a single HAP; Less than 24.0 for combined HAPs
Two (2) Reciprocating Engines	2.71	2.93		3.67	27.5		0.05
Hot Oil Heaters	0.19	0.31	6.66	0.07	1.08	2.01	0.02
Conveying, Handling	30.5	14.4	--	--	--	--	--
Unpaved Roads	110	28.0	--	--	--	--	--
Storage Piles	0.69	0.24	--	--	--	--	--
Storage Tanks	--	--	--	6.92E-02	--	--	--
Cutback asphalt	--	--	--	Less than 2.72	--	--	--
Loadout and Yard	0.26	0.26	--	2.47	0.84	--	--
Total PTE of the Entire Source after Revision	210	99.6	Less than 100	Less than 25.0	94.4	Less than 100	Less than 10 for a single HAP; Less than 25 for combined HAPs
Title V Major Source Thresholds	NA	100	100	25	100	100	10 for a single HAP and 25 for combined HAPs

Note: The FESOP limits were revised as part of this permitting action for the drum mixer/burner, unpaved roads, reciprocating engines, and cold mix (cutback) asphalt production.

⁽¹⁾ Porter County is designated as nonattainment for PM2.5. PM10 is used as a surrogate for PM2.5.

No changes have been made to the TSD because the OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical

Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision. No changes have been made to this permit as a result of this comment.

Comment #2:

Due to the concerns described in Comment #1 above, UGN requests that a study be undertaken prior to permit issuance to demonstrate the best location of the plant so as to reduce the potential for fugitive emissions impacting the adjacent UGN plant.

Response to Comment #2:

Air pollution control rules do not regulate plant location decisions. It is the OAQ's understanding that the facility is acceptable under local zoning requirements. Local governments have jurisdiction on zoning issues. Pursuant to 326 IAC 6-4, the proposed permit requires that 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). The proposed permit also requires the Permittee to control particulate emissions from the drum mixer/dryer using the baghouse at all times that the drum mixer/dryer is in operation and to control fugitive emissions according the Fugitive Dust Control Plan included as Attachment A to the permit. No changes have been made to the permit as a result of this comment.

Comment #3:

Due to the concerns described in Comment #1 above, UGN requests that Rieth-Riley be required to perform annual upwind and downwind high volume sampling studies to demonstrate compliance with 326 IAC 6-4-2(3). Pursuant to 326 IAC 6-4-2(3), a source is in violation of this rule if the ground level ambient air concentrations exceed fifty (50) micrograms per cubic meter above background concentrations for a sixty (60) minute period. These tests should be required to be done during times when meteorological conditions are worst, as any particulate impact on our raw materials and production process will render the products unusable and result in a large economic loss for UGN.

Response to Comment #3:

The provisions of 326 IAC 6-4 do not require annual testing in order to demonstrate compliance. Under 326 IAC 6-4-6(6), fugitive dust from a source caused by adverse meteorological conditions is an exception to this requirement and will not result in a violation. There have been no changes made as a result of this comment.

**Attachment A to the TSD Addendum
Potential to Emit from Storage Piles**

**Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: January 16, 2008**

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

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

$$\text{PTE of PM (storage)} = \frac{E_f \cdot sc \cdot (20 \text{ cuft/ton}) \cdot (365 \text{ day/yr})}{(2000 \text{ lb/ton}) \cdot (43560 \text{ sqft/acre}) \cdot (25 \text{ ft})}$$

Material	s (% silt)	p	f	Emission Factor (lb/acre/day)	sc (tons storage capacity)	PTE of PM (tons/yr)	PTE of PM10* (tons/yr)
Sand	1.50	125	15	1.74	13,000	0.08	0.03
Gravel	1.00	125	15	1.16	25,000	0.10	0.03
Stone	1.00	125	15	1.16	50,000	0.19	0.07
RAP	1.00	125	15	1.16	34,000	0.13	0.05
Slag	1.00	125	15	1.16	49,000	0.19	0.07
Total						0.69	0.24

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

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

*PM10 = 35% of PM

**Attachment A to the TSD Addendum
Emission Summary**

**Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: January 16, 2008**

Unlimited PTE (tons/yr)

	PM	PM10	SO2	NOx	VOC	CO	Total HAPs	HCl	Lead
Aggregate Dryer/Mixer	49,056	11,388	238	149	56.1	228	126	96.4	28.5
Unpaved Roads	219	55.9	--	--	--	--	--	--	--
Material Conveying/Handling	30.5	14.4	--	--	--	--	--	--	--
Storage Piles	0.69	0.24	--	--	--	--	--	--	--
Storage Tanks	--	--	--	--	0.07	--	--	--	--
Hot Oil Heaters	0.19	0.31	6.66	2.01	0.07	1.08	0.02	--	Negligible
Generators	2.71	2.93	15.6	106.051407	3.67	27.5	0.05	--	Negligible
Cold Mix*	--	--	--	--	>250	--	--	--	--
Loadout and Yard	0.69	0.69	--	--	6.50	2.21	0.14	--	--
Total	49,310	11,462	260	257	>250	259	126	96.4	28.5

Limited PTE (tons/yr)

	PM	PM10	SO2	NOx	VOC	CO	Total HAPs	HCl	Lead
Aggregate Dryer/Mixer	66.0	53.5	Less than 93.3	Less than 97.9	16.0	65.0	<24.0	<9.90	<5.00
Unpaved Roads	110	28.0	--	--	--	--	--	--	--
Material Conveying/Handling	30.5	14.4	--	--	--	--	--	--	--
Storage Piles	0.69	0.24	--	--	--	--	--	--	--
Storage Tanks	--	--	--	--	0.07	--	--	--	--
Hot Oil Heaters	0.19	0.31	6.66	2.01	0.07	1.08	0.02	--	Negligible
Generators	2.71	2.93	**	**	3.67	27.5	0.05	--	Negligible
Cold Mix	--	--	--	--	<2.72	--	--	--	--
Loadout and Yard	0.26	0.26	--	--	2.47	0.84	0.05	--	--
Total	210	99.6	Less than 100	Less than 100	<25.0	94.4	<25.0	<10.0	<5.00

*The unlimited PTE of VOC from cold mix production is assumed to be greater than 250 tons per year.

**The limited fuel usage for the generators are included in the SO2 and NOx limits for the aggregate dryer/mixer. The permit includes fuel equivalencies for the generators.

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

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

Source Description and Location

Source Name:	Rieth-Riley Construction Co., Inc.
Source Location:	Portable
County:	Porter
SIC Code:	2951
Operation Permit No.:	F097-18257-05241
Operation Permit Issuance Date:	June 30, 2004
Significant Permit Revision No.:	127-25248-05241
Permit Reviewer:	ERG/SE

The OAQ has received an application from Rieth-Riley Construction Co., Inc. related to a modification to an existing drum hot mix asphalt plant.

Existing Approvals

The source was issued FESOP No. 097-18257-05241 on June 30, 2004 and was initially located in Marion County. The source has since received the following approvals:

- (a) Relocation No. 083-21095-05241, issued on April 14, 2005 (relocated to Knox County); and
- (b) Administrative Amendment No. 083-18257-05241, issued on January 10, 2006.

County Attainment Status

The source will be relocated to Porter County.

Pollutant	Status
PM10	Attainment
PM2.5	Nonattainment
SO ₂	Attainment
NO ₂	Attainment
8-hour Ozone	Nonattainment
CO	Attainment
Lead	Attainment

- (a) U.S. EPA in Federal Register Notice 70 FR 943 dated January 5, 2005 has designated Porter County as nonattainment for PM2.5. On March 7, 2005 the Indiana Attorney General's Office on behalf of IDEM filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of non-attainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate PM10 emissions as a surrogate for PM2.5 emissions pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability – Entire Source section.
- (b) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone.

- (1) On December 22, 2006 the United States Court of Appeals, District of Columbia issued a decision which served to partially vacate and remand the U.S. EPA's final rule for implementation of the eight-hour National Ambient Air quality Standard for ozone. *South Coast Air Quality Mgmt. Dist. v. EPA*, 472 F.3d 882 (D.C. Cir., December 22, 2006), *rehearing denied* 2007 U.S. App. LEXIS 13748 (D.C. Cir., June 8, 2007). The U.S. EPA has instructed IDEM to issue permits in accordance with its interpretation of the *South Coast* decision as follows: Gary-Lake-Porter County was previously designated as a severe non-attainment area prior to revocation of the one-hour ozone standard, therefore, pursuant to the anti-backsliding provisions of the Clean Air Act, any new or existing source must be subject to the major source applicability cut-offs and offset ratios under the area's previous one-hour standard designation. This means that a source must achieve the Lowest Achievable Emission Rate (LAER) if it exceeds 25 tons per year of VOC emissions and must offset any increase in VOC emissions by a decrease of 1.3 times that amount.

On January 26, 1996 in 40 CFR 52.777(i), the U.S. EPA granted a waiver of the requirements of Section 182(f) of the CAA for Lake and Porter Counties, including the lower NOx threshold for nonattainment new source review. Therefore, VOC emissions alone are considered when evaluating the rule applicability relating to the 1-hour ozone standards. Therefore, VOC emissions were reviewed pursuant to the requirements for nonattainment new source review. See the State Rule Applicability for the source section.

- (2) VOC and NOx emissions are considered when evaluating the rule applicability relating to the 8-hour ozone standard. Porter County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3. See the State Rule Applicability – Entire Source section.
- (c) Porter County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements of Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.
- (d) Fugitive Emissions
This type of operation is not in one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3; however, there is an applicable New Source Performance Standard that was in effect on August 7, 1980. Therefore fugitive emissions are counted toward the determination of PSD and Emission Offset applicability.

Source Status

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

Pollutant	Emissions (tons/year)
PM	208.2
PM10	Less than 100
SO ₂	Less than 100
VOC	Less than 100
CO	60.52
NO _x	Less than 100

Note: In the initial permit for the initial location and subsequent relocation, the VOC emissions were limited to less than 100 tons per year in order to render 326 IAC 2-7 (Part 70 Permit Program) not applicable. In order to relocate to Porter County, the source has agreed to limit VOC emissions to less than 25 tons per year.

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not in one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) This existing source is not a major stationary source under Emission Offset (326 IAC 2-3) because PM_{2.5} and NO_x are not emitted at a rate of 100 tons per year or more and VOC is not emitted at a rate of 25 tons per year or more.
- (c) These emissions are based upon the TSD for FESOP 097-18257-05241, issued on June 30, 2004.

The table below summarizes the potential to emit HAPs for the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

HAPs	Potential To Emit (tons/year)
Any Single HAP	Less than 10
TOTAL	Less than 25

This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed a revision application, submitted by Rieth-Riley Construction Co., Inc. on September 5, 2007, relating to revising the FESOP limits in the current permit and relocating to Porter County.

This portable asphalt plant was originally located at 1715 West Minnesota Street, Indianapolis, Indiana (Marion County). On April 14, 2005, this source received approval to relocate to the 1200 block of South 6th Street, Vincennes, Indiana (Knox County). In this permit revision, the source requests to relocate to 2352 Industrial Drive, Valparaiso, Indiana (Porter County).

Because Porter County was previously designated as severe nonattainment under the 1-hour Ozone standard as discussed above in the County Attainment Status section, the VOC emissions from this source will be limited to less than twenty-five (25) tons per twelve (12) consecutive month period. See discussion of FESOP limits below.

Additionally, the emission factors and calculation methods used to calculate the potential to emit of hot mix asphalt plant have been revised since the issuance of the original FESOP No. 097-18257-05241 on June 30, 2004. Therefore, the potential to emit calculations for the source and the FESOP limits are being revised accordingly in this permit revision.

Since the issuance of the initial FESOP No. 097-18257-05241 on June 30, 2004, the source has constructed and operated an additional hot oil heater and an additional liquid asphalt storage tank. These units are being added to the permit in this revision. Based on the "Potential to Emit After Issuance" table in the TSD for FESOP No. 097-18257-05241, the source did not have room under the PM₁₀, SO₂, and NO_x FESOP limits to add the hot oil heater without revising the permit. The Permittee should have applied for a permit revision to adjust the emission caps under 326 IAC 2-8 before the hot oil heater was added. The addition of the liquid asphalt storage tank would not have required an adjustment to the VOC emission cap. The FESOP limits are being revised in this permit revision, and the new limits allow for the operation of the additional hot oil heater and liquid asphalt storage tank into consideration.

Enforcement Issues

IDEM is aware that equipment has been constructed and operated prior to receipt of the proper

approval. IDEM is reviewing this matter and will take the appropriate action. This proposed approval is intended to satisfy the requirements of the construction permit rules.

Emission Calculations

See Appendix A of this document for detailed emission calculations (pages 1 through 18).

Permit Level Determination – FESOP Revision

Pursuant to 326 IAC 2-8-11.1(g)(2), these changes are being processed as a Significant Permit Revision because the changes require an adjustment to the emissions cap limitations under 326 IAC 2-8.

Potential to Emit of the Source after Revision

The table below summarizes the total potential to emit, reflecting all limits, of the emission units after control.

Process/facility	Potential to Emit (tons/year)						
	PM	PM10 ⁽¹⁾	SO ₂	VOC	CO	NO _x	HAPs
Drum Mixer/Burner	66.0	54.0	Less than 93.3	16.0	65.0	Less than 97.9	Less than 9.9 for a single HAP; Less than 24.0 for combined HAPs
Two (2) Reciprocating Engines	2.71	2.93		3.67	27.5		0.05
Hot Oil Heaters	0.19	0.31	6.66	0.07	1.08	2.01	0.02
Conveying, Handling	30.5	14.4	--	--	--	--	--
Unpaved Roads	110	28.0	--	--	--	--	--
Storage Piles	0.50	0.17	--	--	--	--	--
Storage Tanks	--	--	--	6.92E-02	--	--	--
Cutback asphalt	--	--	--	Less than 2.72	--	--	--
Loadout and Yard	0.26	0.26	--	2.47	0.84	--	--
Total PTE of the Entire Source after Revision	210	99.5	Less than 100	Less than 25.0	94.4	Less than 100	Less than 10 for a single HAP; Less than 25 for combined HAPs
Title V Major Source Thresholds	NA	100	100	25	100	100	10 for a single HAP and 25 for combined HAPs

Note: The FESOP limits have been revised for the drum mixer/burner, unpaved roads, reciprocating engines, and cold mix (cutback) asphalt production. See discussion of FESOP limits in the State Rule Applicability Determination section.

⁽¹⁾ Porter County is designated as nonattainment for PM2.5. PM10 is used as a surrogate for PM2.5.

Federal Rule Applicability Determination

(a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part

60) included in this proposed revision.

- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this proposed revision.

State Rule Applicability Determination

The following state rules are applicable to the source due to the modification:

326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset)

This source was initially constructed in 2004 in Marion County. The source relocated to Knox County in 2005. The source-wide potential to emit of PM, PM₁₀, SO₂, NO_x, VOC, and CO are greater than 250 tons per year. The original FESOP No. 097-18257-05241 issued on June 30, 2004 limited the PM₁₀, SO₂, NO_x, VOC, and CO emissions to less than 100 tons per year and limited PM emissions to less than 250 tons per year. The original FESOP did not include a separate pound per ton of asphalt limit for CO; however, the CO emissions were actually limited to less than 100 tons per year by the asphalt throughput limit. This revision includes the asphalt throughput limit, but also incorporates a CO emission limit (pounds of CO per ton of asphalt).

In 2007, the source will relocate to Porter County. Porter County was previously designated severe nonattainment under the 1-hour Ozone standard (see County Attainment Status section above). In order to relocate to Porter County without triggering 326 IAC 2-3 (Emission Offset), the source has agreed to limit source-wide VOC emissions to less than 25 tons per year (see discussion of FESOP limits below).

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

The operation of each facility at the asphalt plant will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Statement)

The source will be relocated to Porter County and has the potential to emit greater than twenty-five (25) tons per year of NO_x and VOC. Pursuant to 326 IAC 2-6-1(a)(2)(B), the source is required to submit an emission statement to IDEM, OAQ by July 1 following a calendar year when the source emits NO_x or VOC into the ambient air equal to or greater than twenty-five (25) tons.

326 IAC 2-8 (FESOP)

- (a) Pursuant to 326 IAC 2-8-4, the SO₂ emissions from the aggregate mixer/dryer burner and the internal combustion engines shall be limited as follows:

- (1) The usage of waste oil for the aggregate dryer burner and the two (2) internal combustion engines shall be limited to less than 1,269,000 gallons or equivalent per 365 consecutive day period, with compliance determined at the end of each day. This is equivalent to 93.3 tons/year of SO₂ emissions.

For the purpose of determining compliance with this limit:

- (A) Every gallon of No. 2 fuel oil shall be equivalent to 0.534 gallons of waste oil. However, the No. 2 fuel usage shall in no case exceed 2,377,000 gallons per 365 consecutive day period.
- (B) Every gallon of No. 4 fuel oil shall be equivalent to 0.510 gallons of waste oil. However, the No. 4 fuel usage shall in no case exceed 2,488,000 gallons per 365 consecutive day period.
- (C) Every hour of operation of the 0.665 MMBtu per hour engine shall be equivalent to 1.31 gallons of waste oil.

(D) Every hour of operation of the 6.65 MMBtu per hour engine shall be equivalent to 22.8 gallons of waste oil.

(2) The sulfur content of the waste oil shall be limited to 1.00% by weight.

(3) The sulfur content of the No. 2 and No. 4 fuel oil shall not exceed 0.5% by weight.

Compliance with these limits, combined with the SO₂ emissions from other units at the source, will limit source-wide SO₂ emissions to less than 100 tons per year. Compliance with these limits will render 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable.

(b) Pursuant to 326 IAC 2-8-4, the NO_x emissions from the aggregate mixer/dryer burner and the internal combustion engines shall be limited as follows:

(1) The usage of natural gas for the aggregate dryer burner and the two (2) internal combustion engines shall be limited to less than 1,031 million cubic feet or equivalent per 365 consecutive day period, with compliance determined at the end of each day. This is equivalent to 97.9 tons per year of NO_x emissions.

For the purpose of determining compliance with this limit:

(A) Every 1,000 gallons of No. 2 fuel oil shall be equivalent to 0.162 million cubic feet of natural gas. However, the No. 2 fuel usage shall in no case exceed 2,377,000 gallons per 365 consecutive day period.

(B) Every 1,000 gallons of No. 4 fuel oil shall be equivalent to 0.247 million cubic feet of natural gas. However, the No. 4 fuel usage shall in no case exceed 2,488,000 gallons per 365 consecutive day period.

(C) Every 1,000 gallons of butane or propane shall be equivalent to 0.111 million cubic feet of natural gas. However, the propane and butane fuel usage shall in no case exceed 9,324,000 gallons per 365 consecutive day period.

(D) Every 1,000 gallons of waste oil shall be equivalent to 0.139 million cubic feet of natural gas. However, the waste oil fuel usage shall in no case exceed 1,269,000 gallons per 365 consecutive day period.

(E) Every hour of operation of the 0.665 MMBtu per hour engine shall be equivalent to 0.015 million cubic feet of natural gas; and

(F) Every hour of operation of the 6.65 MMBtu per hour engine shall be equivalent to 0.112 million cubic feet of natural gas.

Compliance with these limits, combined with the NO_x emissions from other units at the source, will limit source-wide NO_x emissions to less than 100 tons per year. Compliance with these limits will render 326 IAC 2-7 (Part 70 Permit Program), 326 IAC 2-2 (PSD), and 326 IAC 2-3 (Emission Offset) not applicable.

(c) Pursuant to 326 IAC 2-8-4, the VOC solvent used as diluent in the liquid binder used in cold mix asphalt production from the plant shall be limited such that less than 2.72 tons of VOC emissions are emitted per 365 consecutive day period with compliance determined at the end of each day. This shall be achieved by limiting the total VOC solvent of any one selected binder to not exceed the following limits for that binder during the last 365 days.

When more than one binder is used, the formula in (6) must be applied so that the total VOC emitted is less than 2.72 tons per 365 consecutive day period.

- (1) Cut back asphalt rapid cure, containing a maximum of 25.3% of the liquid binder by weight of VOC solvent and 95% by weight of VOC solvent evaporating.

Cutback asphalt rapid cure liquid binder usage shall not exceed 2.86 tons of VOC solvent per 365 consecutive day period with compliance determined at the end of each day.

$$\frac{2.86 \text{ tons of VOC solvent} \times 95\% \text{ evaporating}}{365 \text{ day period}} = \frac{2.72 \text{ tons of VOC emitted}}{365 \text{ day period}}$$

- (2) Cut back asphalt medium cure, containing a maximum of 28.6% of the liquid binder by weight of VOC solvent and 70% by weight of VOC solvent evaporating.

Cutback asphalt medium cure liquid binder usage shall not 3.89 tons of VOC solvent per 365 consecutive day period with compliance determined at the end of each day.

$$\frac{3.89 \text{ tons of VOC solvent} \times 70\% \text{ evaporating}}{365 \text{ day period}} = \frac{2.72 \text{ tons of VOC emitted}}{365 \text{ day period}}$$

- (3) Cut back asphalt slow cure, containing a maximum of 20% of the liquid binder by weight of VOC solvent and 25% by weight of VOC solvent evaporating.

Cutback asphalt slow cure liquid binder usage shall not exceed 10.9 tons of VOC solvent per 365 consecutive day period with compliance determined at the end of each day.

$$\frac{10.9 \text{ tons of VOC solvent} \times 25\% \text{ evaporating}}{365 \text{ day period}} = \frac{2.72 \text{ tons of VOC emitted}}{365 \text{ day period}}$$

- (4) 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

Emulsified asphalt with solvent liquid binder usage shall not exceed 5.86 tons of VOC solvent per 365 consecutive day period with compliance determined at the end of each day.

$$\frac{5.86 \text{ tons of VOC solvent} \times 46.4\% \text{ evaporating}}{365 \text{ day period}} = \frac{2.72 \text{ tons of VOC emitted}}{365 \text{ day period}}$$

- (5) 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

Other asphalt with solvent liquid binder shall not exceed 108 tons of VOC solvent per 365 consecutive day period with compliance determined at the end of each day.

$$\frac{108 \text{ tons of VOC solvent} \times 2.5\% \text{ evaporating}}{365 \text{ day period}} = \frac{2.72 \text{ tons of VOC emitted}}{365 \text{ day period}}$$

- (6) The VOC solvent allotments in (1) through (5) above shall be adjusted when more than one type of binder is used per 365 consecutive day period. In order to determine the tons of VOC emitted per each type of binder, use the following formula and divide the tons of VOC solvent used for each type of binder by the corresponding adjustment factor listed in the table that follows.

$$\text{VOC Emitted (tons/day)} = \frac{\text{VOC solvent used for each binder (tons/day)}}{\text{Adjustment factor}}$$

Type of Binder	Adjustment Factor
Cutback Asphalt Rapid Cure	1.053
Cutback Asphalt Medium Cure	1.429
Cutback Asphalt Slow Cure	4.0
Emulsified Asphalt	2.155
Other Asphalt	40.0

The adjustment factors in the table above are based on the percent of VOC solvent evaporating listed in (1) through (5) above. For example, for cutback asphalt rapid cure multiplying the tons of VOC solvent used per 365 consecutive day period by 95% is equivalent to dividing the tons of VOC solvent used per 365 consecutive day period by the adjustment factor 1.053 as shown in the equation and table above. If more than one type of binder is used, the Permittee shall calculate the tons of VOC emitted by using the equation and adjustment factors listed above. The total VOC emitted from all liquid binders shall be limited to less than 2.72 tons per 365 consecutive day period.

Compliance with these limits, combined with the VOC emissions from other units at this source, will limit source-wide VOC emissions to less than 25 tons per year and render 326 IAC 2-7 (Part 70 Permit Program), 326 IAC 2-2 (PSD), 326 IAC 2-3 (Emission Offset) not applicable.

- (d) Pursuant to 326 IAC 2-8-4, the emissions of PM10, CO, and VOC from the aggregate dryer/mixer and the loadout and yard emissions shall be limited as follows:
- (1) The asphalt production rate shall be limited to less than 1,000,000 tons per 365 consecutive day period with compliance determined at the end of each day.
 - (2) PM10 emissions from the aggregate dryer/mixer shall be limited to less than 0.107 pounds of PM10 per ton of asphalt produced.
 - (3) CO emissions from the aggregate dryer/mixer shall be limited to less than 0.13 pounds of CO per ton of asphalt produced.
 - (4) VOC emissions from the aggregate dryer/mixer shall be limited to less than 0.032 pounds of VOC per ton of asphalt produced.

Compliance with these limits, combined with the emissions from all other emission units at this source, will render 326 IAC 2-7 (Part 70 Permit Program), 326 IAC 2-2 (PSD), and 326 IAC 2-3 (Emission Offset) not applicable.

- (e) Pursuant to 326 IAC 2-8-4, the following limits shall apply to the aggregate dryer:
- (1) The lead emissions from the aggregate dryer shall be limited to 7.8 pounds of lead per kilogallon (lb/kgal) of waste oil combusted.
 - (2) The usage of waste oil or waste oil equivalents in the burner for the aggregate dryer shall be limited to less than 1,269,000 gallons (1,269 kilogallons) per 365 consecutive day period, with compliance determined at the end of each day.

- (3) The HCl emissions from the burner for the aggregate dryer shall be limited to less than 9.5 tons per 365 consecutive day period with compliance determined at the end of each day.

These limits are required in order to limit the source-wide emissions of HCl to less than 10 tons per year. Therefore, compliance with this limit will render 326 IAC 2-7 (Part 70 Permit Program) not applicable.

- (f) Pursuant to 326 IAC 2-8, the Permittee shall control PM and PM10 emissions from paved and unpaved roads according to the fugitive dust plan submitted on October 15, 2003, which is included as Attachment A to the permit.

326 IAC 6-1 (County Specific Particulate Matter Limitations)

326 IAC 6-1 has been repealed. Therefore, the requirements of 326 IAC 6-1 have been removed from the permit.

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

The hot oil heaters were both constructed after September 21, 1983. The hot oil heaters are considered to be indirect heating units, as defined by 326 IAC 1-2-19, since they employ a hot oil heat exchange system. For these units, the fuel burner indirectly heats oil within a heat exchange system, the hot oil is then pumped to heat exchange coils within the asphalt binder storage tank in order to heat the asphalt binder, and the oil is then pumped backed to the burner to be heated again. Therefore the hot oil heaters are subject to the requirements of 326 IAC 6-2-4.

- (a) Pursuant to 326 IAC 6-2-4(a), particulate emissions from the hot oil heater identified as Emission Unit 14 shall be limited by the following equation:

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

Where:

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

Q = total source operating capacity (1 heater with a heat input of 1.00 MMBtu/hour)

$$P_t = \frac{(1.09)}{(1.00)^{0.26}}$$

P_t = 1.09 lb/MMBtu

Pursuant to 326 IAC 6-2-4(a) for Q less than 10 MMBtu/hr, P_t shall not exceed 0.6 pounds per million Btu heat input, which is more stringent than the limit calculated using the equation. Therefore, the particulate emissions from the hot oil heater identified as Emission Unit 14 are limited to less than 0.6 pounds per million Btu heat input.

- (b) Pursuant to 326 IAC 6-2-4(a), particulate emissions from the hot oil heater identified as Emission Unit 14B shall be limited by the following equation:

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

Where:

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

Q = total source operating capacity (1 heater with a heat input of 1.00 MMBtu/hour and 1 heater with a heat input of 2.00 MMBtu/hour)

$$P_t = \frac{(1.09)}{}$$

$$(3.00)^{0.26}$$

$$P_t = 0.82 \text{ lb/MMBtu}$$

Pursuant to 326 IAC 6-2-4(a) for Q less than 10 MMBtu/hr, P_t shall not exceed 0.6 pounds per million Btu heat input, which is more stringent than the limit calculated using the equation. Therefore, the particulate emissions from the hot oil heater identified as Emission Unit 14B are limited to less than 0.6 pounds per million Btu heat input.

Based on a heating value of 140,000 Btu per gallon of No. 2 fuel oil and the AP-42 emission factor for No. 2 fuel oil combustion in the hot oil heaters, the hot oil heaters are able to comply with these limits when burning No. 2 fuel oil. Based on a heating value of 1,020 million Btu per million standard cubic foot (MMscf) of natural gas and the AP-42 emission factor for natural gas combustion in the hot oil heaters, the hot oil heaters are able to comply with this limit when burning natural gas. Based on a heating value of 91,500 Btu per gallon of propane and the AP-42 emission factor for propane combustion in the hot oil heaters, the hot oil heaters are able to comply with this limit when burning propane.

Pursuant to 40 CFR 60.90, the hot oil heaters are not affected facilities under 40 CFR 60, Subpart I (New Source Performance Standards for Hot Mix Asphalt Facilities). Therefore, the hot oil heaters are not subject to a particulate limit under 40 CFR 60, Subpart I, and the hot oil heaters are subject to the limits pursuant to 326 IAC 6-2 as described above.

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

The aggregate dryer/mixer is subject to 40 CFR 60, Subpart I (326 IAC 12). Pursuant to 326 IAC 6-3-1(c)(5), the aggregate dryer/mixer is not subject to the requirements of 326 IAC 6-3 because it is subject to a particulate limit established in 326 IAC 12.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The aggregate dryer/mixer is subject to the requirements of 326 IAC 7-1.1-2, because it has potential sulfur dioxide emissions greater than twenty-five (25) tons per year. Pursuant to 7-1.1-2, sulfur dioxide emissions from the aggregate dryer/mixer shall be limited as follows:

- (a) One and six-tenths (1.6) pounds per MMBtu for residual oil combustion, and
- (b) Five-tenths (0.5) pound per MMBtu for distillate oil combustion.

326 IAC 7-4-14 (Porter County Sulfur Dioxide Emission Limitations)

This source is not specifically listed in 326 IAC 7-4-14; therefore, it is not subject to the requirements of 326 IAC 7-4-14.

326 IAC 8-7 (Specific VOC Reduction Requirements for Lake, Porter, Clark, and Floyd Counties)

The potential source-wide VOC emissions are limited to less than twenty-five (25) tons per year in order for the source to relocate to Porter County. Pursuant to 326 IAC 8-7-2(d), the facilities at this asphalt plant are not subject to the requirements of 326 IAC 8-7.

Compliance Determination and Monitoring Requirements

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

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section

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

The Compliance Determination Requirements applicable to this modification are as follows:

- (a) The aggregate mixer/dryer has applicable compliance determination conditions as specified below:

Emission Unit	Control Device	Timeframe for Testing	Pollutant	Frequency of Testing	Limit or Requirement
Aggregate Mixer/Dryer	Baghouse	180 days	PM/PM10	Once every 5 years	0.132 lb PM/ton of asphalt; 0.107 lb PM10/ton of asphalt

The aggregate mixer/dryer is controlled by a baghouse. To render the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-7 (Part 70 Permit Program) not applicable, the PM and PM10 emissions from the aggregate mixer/dryer are limited to 0.132 and 0.107 pounds per ton of asphalt, respectively. PM and PM10 testing is required in order to demonstrate with these limits.

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

- (b) The aggregate mixer/dryer has applicable compliance monitoring conditions as specified below:

Control	Parameter	Frequency	Range	Excursions and Exceedances
Aggregate Mixer/Dryer Baghouse	Water Pressure Drop	Daily	1 to 9 inches	Response Steps
	Visible Emissions		Normal-Abnormal	

These monitoring conditions are necessary because the baghouse used in conjunction with the aggregate mixer/dryer must operate properly to ensure compliance with 326 IAC 2-8 (FESOP), and to render the requirements of 326 IAC 2-2 (PSD), 326 IAC 2-3 (Emission Offset), and 326 IAC 2-7 (Part 70 Permit Program) not applicable.

Proposed Changes

The following changes have been made to the permit based on the changes requested by the Permittee and the additional changes made by IDEM, OAQ. Language shown in ~~strikeout~~ has been deleted, and language shown in **bold** has been added. The Table of Contents has been updated as necessary.

- Based on revised emission factors and calculation methods and in order to allow this source to relocate to Porter County, the FESOP limits in Section D.1 of the permit have been revised as follows. The associated recordkeeping and reporting requirements have also been revised as follows. Because the permit includes stack testing requirements for PM and PM10, visible emission notation requirements, and parametric monitoring, the baghouse inspection requirement has been removed from Section D.1. Any necessary inspections should be performed in accordance with the preventive maintenance plan. 326 IAC 6-1 has been repealed; therefore, the requirements of 326 IAC 6-1 have been removed from Section D.1. After the issuance of the initial FESOP No. 097-18257-05241 on June 30, 2004, the source constructed an additional hot oil heater and an additional liquid asphalt storage tank. These units are being added to the permit in this revision;

therefore, the emission unit descriptions in Sections A and D of the permit have been revised as follows.

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:

...

- (b) One (1) Hot Oil Heater, rated at 1.0 million British thermal units per hour **and one (1) hot oil heater rated at 2.0 million British thermal units per hour, both** firing distillate oil No. 2 as primary fuel with natural gas and propane gas as backup fuels, exhausting through stacks **SV2 and SV14, respectively, and** identified as Emission Units ~~ID 14~~ **and 14B, respectively.**
- (c) Two (2) reciprocating internal combustion engines/generators, rated at 550 and 55 kilowatts (6.65 and 0.665 MMBtu hour heat input capacity), respectively, firing No. 2 Diesel fuel oil, exhausting through stacks SV9 and SV10, identified as Emission Units ID 16 and 17.
- (d) ~~Four (4)~~ **Five (5)** Liquid Asphalt Storage Tanks, identified as Tank 13A, Tank 13B, Tank 13C, **Tank 13D**, and Tank 18, capacity: 35,000, 20,000, 15,000, **30,000** and 1,000 gallons, **respectively**, exhausting through stacks SV3, SV4, and SV5, **SV14**, and SV13, respectively. Tank 18 is used only when calibrating the liquid asphalt metering system.

...

SECTION D.1 FACILITY OPERATION CONDITIONS

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

- (a) One (1) Hot Mix Drum/Mixer Burner, rated at 100 million British thermal units (MMBtu) per hour, firing waste oil as a primary fuel and No. 2 distillate oil, No. 4 distillate oil, natural gas, butane gas, and propane as backup fuels, equipped with a baghouse for particulate matter control, exhausting through stack SV1, identified as Emission Unit ID 3, capacity: 400 tons per hour of hot mix asphalt paving material.
- (b) One (1) Hot Oil Heater, rated at 1.0 million British thermal units per hour **and one (1) hot oil heater rated at 2.0 million British thermal units per hour, both** firing distillate oil No. 2 as primary fuel with natural gas and propane gas as backup fuels, exhausting through stacks **SV2 and SV 14, respectively, and** identified as Emission Units ~~ID 14~~ **and 14B, respectively.**
- (c) Two (2) reciprocating internal combustion engines/generators, rated at 550 and 55 kilowatts (6.65 and 0.665 MMBtu hour heat input capacity), respectively, firing No. 2 Diesel fuel oil, exhausting through stacks SV9 and SV10, identified as Emission Units ID 16 and 17.
- (d) ~~Four (4)~~ **Five (5)** Liquid Asphalt Storage Tanks, identified as Tank 13A, Tank 13B, Tank 13C, **Tank 13D**, and Tank 18, capacity: 35,000, 20,000, 15,000, **30,000** and 1,000 gallons, **respectively**, exhausting through stacks SV3, SV4, and SV5, **SV14**, and SV13, respectively. Tank 18 is used only when calibrating the liquid asphalt metering system.
- (e) Two (2) waste oil storage tanks for Hot Mix Drum/Mixer Burner, identified as Tank 11A and Tank 11B, capacity: 10,000 gallons each, exhausting through stacks SV7 and SV8.
- (f) One (1) No. 2 Distillate fuel oil storage tank for Hot Oil Heater, identified as Tank 12A, capacity: 350 gallons, exhausting through stack SV6.
- (g) Two (2) No. 2 Distillate fuel oil storage tanks for reciprocating internal combustion engines/generators, capacity: 1,200 gallons each, identified as Tank 12B and Tank 12C, exhausting through stacks SV11 and SV12 respectively.
- (h) Cold-mix cutback asphalt production.

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

...

~~D.1.2 Particulate Matter 10 Microns (PM₁₀) [326 IAC 2-8-4] [326 IAC 2-2] [40 CFR 52.21] [326 IAC 2-3]~~

- ~~(a) Pursuant to 326 IAC 2-8-4, emissions of particulate matter 10 microns or less in diameter (PM₁₀) from the aggregate dryer/mixer shall not exceed 0.132 pounds per ton of asphalt produced, including both filterable and condensable fractions.~~
- ~~(b) The source shall not produce more than one million (1,000,000) tons of asphalt per 365 consecutive day period, equivalent to PM₁₀ emissions of 65.8 tons per year based on the 0.132 pounds of PM₁₀ per ton of asphalt produced. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the requirements of 326 IAC 2-2, 2-3, and the Part 70 rules (326 IAC 2-7) do not apply.~~

D.1.2 PM, PM₁₀, CO, and VOC Limitations for the Aggregate Dryer/Mixer [326 IAC 2-8-4] [326 IAC 2-2]

Pursuant to 326 IAC 2-8-4 and to render the requirements of 326 IAC 2-2 not applicable, the emissions from the aggregate dryer/mixer and the loadout and yard emissions shall be limited as follows:

- (a) The asphalt production rate shall be limited to less than 1,000,000 tons per 365 consecutive day period with compliance determined at the end of each day.**
- (b) PM emissions from the aggregate dryer/mixer shall be limited to less than 0.132 pounds of PM per ton of asphalt produced.**
- (b) PM₁₀ emissions from the aggregate dryer/mixer shall be limited to less than 0.107 pounds of PM₁₀ per ton of asphalt produced.**
- (c) CO emissions from the aggregate dryer/mixer shall be limited to less than 0.13 pounds of CO per ton of asphalt produced.**
- (e) VOC emissions from the aggregate dryer/mixer shall be limited to less than 0.032 pounds of VOC per ton of asphalt produced.**

Compliance with these limits, combined with the limits and emissions from other emission units at this source, will render 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable.

~~D.1.4 Particulate Matter (PM) [326 IAC 6-1] [326 IAC 2-2]~~

~~Pursuant to 326 IAC 6-1-2(a), the owner or operator shall not allow or permit discharge to the atmosphere of any gases from the one (1) drum mixer which contain particulate matter in excess of 0.03 grains per dry standard cubic foot, equivalent to 16.36 pounds per hour at a flow rate of 68,500 acfm and a temperature of 260 degrees Fahrenheit.~~

~~Compliance with these limits renders the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.~~

D.1.5D.1.4 Sulfur Dioxide (SO₂) [326 IAC 2-8-4] [326 IAC 7-1.1] [326 IAC 7-2-1] [326 IAC 2-2]

- (a) Pursuant to 326 IAC 2-8-4, the input of waste oil to the Dryer/Burner shall be limited to less than 1,850,000 gallons per 365 consecutive day period, which is equivalent to SO₂ emissions of less than 97.7 tons per year. The SO₂ emissions from the two (2) engines have been accounted for in the limit by equivalency by the number of hours of operation. The applicant has stated that keeping track of the number of hours of operation of the engines is preferable to keeping track of amount of the No. 2 distillate oil fired by the**

~~engines. The full SO₂ potential emission rate of 2.25 tons per year from the hot oil heater has been assumed in computing the limits~~

~~(b) Pursuant to 326 IAC 7-1.1-2, the sulfur content of the waste oil shall not exceed one percent (1.0%) by weight. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a thirty (30) day rolling weighted average.~~

~~(c) For purposes of determining compliance based on SO₂ emissions, each gallon of No.2 distillate oil shall be equivalent to 0.483 gallons of waste oil, each gallon of No.4 distillate oil shall be equivalent to 0.510 gallons of waste oil, thousand gallons of butane shall be equivalent to 0.000612 gallons of waste oil, each thousand gallons of propane shall be equivalent to 0.000680 gallons of waste oil, and each million cubic feet of natural gas shall be equivalent to 4.082 gallons of waste oil. Each hour of operation of the 0.665 million British thermal units per hour reciprocating engine shall be equivalent to 1.312 gallons of waste oil and each hour of operation of the 6.65 million British thermal units per hour engine shall be equivalent to 22.85 gallons of waste oil.~~

~~(d) Pursuant to 326 IAC 7-1.1-2, the sulfur content of the No.2 and No.4 distillate oils shall not exceed five tenth percent (0.5%) by weight. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a thirty (30) day rolling weighted average.~~

~~Compliance with these limits renders the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.~~

(a) Pursuant to 326 IAC 2-8-4, the SO₂ emissions from the aggregate mixer/dryer burner and the internal combustion engines shall be limited as follows:

(1) The usage of waste oil for the aggregate dryer burner and the two (2) internal combustion engines shall be limited to less than 1,269,000 gallons or equivalent per 365 consecutive day period, with compliance determined at the end of each day.

For the purpose of determining compliance with this limit:

(A) Every gallon of No. 2 fuel oil shall be equivalent to 0.534 gallons of waste oil. However, the No. 2 fuel usage shall in no case exceed 2,377,000 gallons per 365 consecutive day period.

(B) Every gallon of No. 4 fuel oil shall be equivalent to 0.510 gallons of waste oil. However, the No. 4 fuel usage shall in no case exceed 2,488,000 gallons per 365 consecutive day period.

(C) Every hour of operation of the 0.665 MMBtu per hour engine shall be equivalent to 1.31 gallons of waste oil.

(D) Every hour of operation of the 6.65 MMBtu per hour engine shall be equivalent to 22.8 gallons of waste oil.

(2) The sulfur content of the waste oil shall be limited to 1.00% by weight.

(3) The sulfur content of the No. 2 and No. 4 fuel oil shall not exceed 0.5% by weight.

Compliance with these limits, combined with the SO₂ emissions from other units at the source, will limit source-wide SO₂ emissions to less than 100 tons per year. Compliance with these limits will render 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable.

- ~~(a) Pursuant to 326 IAC 2-8-4, the total amount of natural gas burned at the dryer/burner shall be limited to 1,980 million cubic feet per 365 consecutive day period, which is equivalent to an NO_x limit of 98.5 tons per year. The NO_x emissions from the two (2) engines have been accounted for in the limit by equivalency by the number of hours of operation, and CO, VOC, PM and PM₁₀ have had the full potential emissions listed for the engines. The full NO_x potential emission rate of 1.44 tons per year from the hot oil heater has been assumed in computing the limits~~
- ~~(b) For purposes of determining compliance based on NO_x emissions, every 1,000 gallons of butane shall be equivalent to 0.1105 million cubic feet of natural gas, every 1,000 gallons of propane shall be equivalent to 0.100 million cubic feet of natural gas, every 1,000 gallons of waste oil shall be equivalent to 0.0842 million cubic feet of natural gas, every 1,000 gallons of No. 2 distillate oil shall be equivalent to 0.1263 million cubic feet of natural gas, every 1,000 gallons of No. 4 distillate oil shall be equivalent to 0.1263 million cubic feet of natural gas and each hour of operation of the 0.505 million British thermal units per hour engine shall be equivalent to 0.0117 million cubic feet of natural gas and each hour of operation of the 5.473 million British thermal units per hour engine shall be equivalent to 0.0893 million cubic feet of natural gas.~~
- (a) Pursuant to 326 IAC 2-8-4, the NO_x emissions from the aggregate mixer/dryer burner and the internal combustion engines shall be limited as follows:**
- (1) The usage of natural gas for the aggregate dryer burner and the two (2) internal combustion engines shall be limited to less than 1,031 million cubic feet or equivalent per 365 consecutive day period, with compliance determined at the end of each day.**

For the purpose of determining compliance with this limit:

- (A) Every 1,000 gallons of No. 2 fuel oil shall be equivalent to 0.162 million cubic feet of natural gas. However, the No. 2 fuel usage shall in no case exceed 2,377,000 gallons per 365 consecutive day period.**
- (B) Every 1,000 gallons of No. 4 fuel oil shall be equivalent to 0.247 million cubic feet of natural gas. However, the No. 4 fuel usage shall in no case exceed 2,488,000 gallons per 365 consecutive day period.**
- (C) Every 1,000 gallons of butane or propane shall be equivalent to 0.111 million cubic feet of natural gas. However, the propane and butane fuel usage shall in no case exceed 9,324,000 gallons per 365 consecutive day period.**
- (D) Every 1,000 gallons of waste oil shall be equivalent to 0.139 million cubic feet of natural gas. However, the waste oil fuel usage shall in no case exceed 1,269,000 gallons per 365 consecutive day period.**
- (E) Every hour of operation of the 0.665 MMBtu per hour engine shall be equivalent to 0.015 million cubic feet of natural gas; and**
- (F) Every hour of operation of the 6.65 MMBtu per hour engine shall be equivalent to 0.112 million cubic feet of natural gas.**

Compliance with these limits, combined with the NO_x emissions from other units at the source, will limit source-wide NO_x emissions to less than 100 tons per year. Compliance with these limits will render 326 IAC 2-7 (Part 70 Permit Program), 326 IAC 2-2 (PSD), and 326 IAC 2-3 (Emission Offset) not applicable.

~~D.1.7 Volatile Organic Compounds (VOC) [326 IAC 2-8-4] [326 IAC 2-2]~~

~~Pursuant to 326 IAC 2-8-4, the liquid binder usage shall be limited for the production of cold mix cutback asphalt to less than 2,207 tons per 365 consecutive day period, which is equivalent to VOC emissions of 95.8 tons per year based on 7.0 percent diluent present in the asphalt.~~

~~Compliance with this limit renders the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 326 IAC 2-7 not applicable.~~

D.1.6 Volatile Organic Compounds (VOC) [326 IAC 2-8-4] [326 IAC 2-2] [326 IAC 2-3]

- (a) Pursuant to 326 IAC 2-8-4, the VOC solvent used as diluent in the liquid binder used in cold mix asphalt production from the plant shall be limited such that less than 2.72 tons of VOC emissions are emitted per 365 consecutive day period with compliance determined at the end of each day. This shall be achieved by limiting the total VOC solvent of any one selected binder to not exceed the following limits for that binder during the last 365 days.

When more than one binder is used, the formula in (6) must be applied so that the total VOC emitted is less than 2.72 tons per twelve (12) consecutive month period.

- (1) **Cut back asphalt rapid cure**, containing a maximum of 25.3% of the liquid binder by weight of VOC solvent and 95% by weight of VOC solvent evaporating.

Cutback asphalt rapid cure liquid binder usage shall not exceed 2.86 tons of VOC solvent per 365 consecutive day period with compliance determined at the end of each day.

- (2) **Cut back asphalt medium cure**, containing a maximum of 28.6% of the liquid binder by weight of VOC solvent and 70% by weight of VOC solvent evaporating.

Cutback asphalt medium cure liquid binder usage shall not exceed 3.89 tons of VOC solvent per 365 consecutive day period with compliance determined at the end of each day.

- (3) **Cut back asphalt slow cure**, containing a maximum of 20% of the liquid binder by weight of VOC solvent and 25% by weight of VOC solvent evaporating.

Cutback asphalt slow cure liquid binder usage shall not exceed 10.9 tons of VOC solvent per 365 consecutive day period with compliance determined at the end of each day.

- (4) **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

Emulsified asphalt with solvent liquid binder usage shall not exceed 5.86 tons of VOC solvent per 365 consecutive day period with compliance determined at the end of each day.

- (5) **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

Other asphalt with solvent liquid binder shall not exceed 108 tons of VOC solvent per 365 consecutive day period with compliance determined at the

end of each day.

- (6) The VOC solvent allotments in (1) through (5) above shall be adjusted when more than one type of binder is used per 365 consecutive day period. In order to determine the tons of VOC emitted per each type of binder, use the following formula and divide the tons of VOC solvent used for each type of binder by the corresponding adjustment factor listed in the table that follows.

$$\text{VOC Emitted (tons/day)} = \frac{\text{VOC solvent used for each binder (tons/day)}}{\text{Adjustment factor}}$$

Type of Binder	Adjustment Factor
Cutback Asphalt Rapid Cure	1.053
Cutback Asphalt Medium Cure	1.429
Cutback Asphalt Slow Cure	4.0
Emulsified Asphalt	2.155
Other Asphalt	40.0

Compliance with these limits, combined with the VOC emissions from other units at this source, will limit source-wide VOC emissions to less than 25 tons per year and render 326 IAC 2-7 (Part 70 Permit Program), 326 IAC 2-2 (PSD), 326 IAC 2-3 (Emission Offset) not applicable.

D.1.7 Hazardous Air Pollutants (HAPs) [326 IAC 2-8-4]

Pursuant to 2-8-4(1), the following limits shall apply to the aggregate dryer:

- (a) The lead emissions from the aggregate dryer shall be limited to 7.8 pounds of lead per kilogallon (lb/kgal) of waste oil combusted.
- (b) The usage of waste oil or waste oil equivalents in the burner for the aggregate dryer shall be limited to less than 1,269,000 gallons (1,269 kilogallons) per 365 consecutive day period, with compliance determined at the end of each day.
- (c) The HCl emissions from the burner for the aggregate dryer shall be limited to less than 9.5 tons per 365 consecutive day period with compliance determined at the end of each day.

Compliance with these limits will limit the source-wide emissions of HCl to less than 10 tons per year and source-wide emissions of lead to less than 5.0 tons per year. Compliance with these limits will also limit source-wide emissions of combined HAPs to less than 25 tons per year. Therefore, compliance with these limits renders 326 IAC 2-7 (Part 70) not applicable.

D.1.8 PM and PM10 Emissions [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8, the Permittee shall control PM and PM10 emissions from paved and unpaved roads according to the fugitive dust plan submitted on October 15, 2003, which is included as Attachment A to the permit.

~~D.1.8~~ **D.1.9 Volatile Organic Compounds (VOC) [326 IAC 8-5-2]**

Pursuant to 326 IAC 8-5-2 (Miscellaneous Operations: asphalt paving), the owner or operator shall not cause or allow the use of asphalt emulsion containing more than seven (7.0) percent oil distillate by volume of emulsion for any paving application except the following purposes:

- (a) penetrating prime coating
- (b) stockpile storage
- (c) application during the months of November, December, January, February, and March

D.1.10 Sulfur Dioxide (SO₂) Emission Limitations [326 IAC 7-1.1-1] [326 IAC 7-1.1-2]

Pursuant to 326 IAC 7-1.1-2, sulfur dioxide emissions from the aggregate dryer burner shall be limited as follows:

- (a) **One and six-tenths (1.6) pounds per MMBtu for residual oil combustion, and**
- (b) **Five-tenths (0.5) pound per MMBtu for distillate oil combustion.**

~~D.1.9~~ **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 the drum mixer/dryer burner and any control devices.

D.1.12 Particulate Emissions [326 IAC 6-2]

Pursuant to 326 IAC 6-2-4, the particulate emissions from each hot oil heater shall be limited to 0.6 pounds per MMBtu heat input.

Compliance Determination Requirements

~~D.1.10~~ **D.1.13 Testing Requirements [326 IAC 2-8-5(1), (4)] [326 IAC 2-1.1-11]**

The Permittee shall perform PM and PM₁₀ testing in order to demonstrate compliance with Conditions D.1.2, ~~and D.1.3, and D.1.4~~ utilizing methods as approved by the Commissioner. These tests shall be conducted ~~prior to~~ within one-hundred eighty (180) days after startup of the plant operation, and shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. PM₁₀ includes filterable and condensable PM₁₀. Testing shall be conducted in accordance with Section C- Performance Testing.

~~D.1.11~~ **VOC Emissions**

~~Compliance with Condition D.1.7 shall be demonstrated at the end of each day based on the liquid binder usage for the 365 consecutive day period.~~

~~D.1.12~~ **Sulfur Dioxide Emissions and Sulfur Content**

~~Compliance shall be determined utilizing one of the following options.~~

- ~~(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per million British thermal units heat input 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 120 million British thermal units per hour burner, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.~~

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

D.1.14 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Condition D.1.10 shall be determined utilizing one of the following options.

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed one and six-tenths (1.6) pounds per MMBtu for residual oil combustion and five-tenths (0.5) pounds per million Btu heat input for distillate oil combustion 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 96.8 MMBtu per hour burner, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

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

D.1.15 Hydrogen Chloride (HCl) Emissions and Chlorine Content

(a) In order to demonstrate compliance with Condition D.1.7(c), the Permittee shall use the following equation:

$$E = (U \times 66Cl) + P$$

Where: E = actual HCl emissions per 365 consecutive day period;

U = actual waste oil used in kilogallons per day;

Cl = weight percent of Cl in waste oil per day; and

P = actual HCl emissions from previous 364 consecutive day period.

(b) In order to determine the weight percent of Cl from the waste oil combusted, the Permittee shall use a vendor analysis of the fuel delivered accompanied by a vendor certification.

~~D.1.13~~ D.1.16 Used Oil Requirements [329 IAC 13]

The waste oil burned in the aggregate dryer shall comply with the used oil requirements specified in 329 IAC 13 (Used Oil Management). Pursuant to 329 IAC 13-3-2 (Used Oil Specifications), used oil burned for energy recovery that is classified as off-specification used oil fuel shall comply with the provisions of 329 IAC 13-8 (Used Oil Burners Who Burn Off-specification Used Oil For Energy Recovery), including:

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

The burning of mixtures of used oil and hazardous waste that is regulated under 329 IAC 3.1 is prohibited at this source.

~~D.1.14~~ **D.1.17** Particulate Control

In order to comply with Conditions D.1.2 and D.1.3, the baghouse for PM and PM₁₀ control shall be in operation and control emissions from the drum mixer/dryer at all times that the drum mixer/dryer is in operation ~~and exhausting to the outside atmosphere.~~

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

~~D.1.15~~ **D.1.18** Visible Emissions Notations

- (a) Visible emission notations of the conveyers, material transfer points, and the drum mixer/burner stack exhaust shall be performed once per shift during normal daylight operations ~~when exhausting to the atmosphere.~~ A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) ~~The Compliance Response Plan~~ **Section C - Response to Excursions and Exceedances** 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 Monitoring Plan - Failure to Take Response Steps~~ **Response to Excursions and Exceedances**, shall be considered a ~~violation of~~ **deviation from** this permit.

~~D.1.16~~ **D.1.19** Parametric Monitoring

- (a) The Permittee shall record the ~~total static~~ pressure drop across the baghouse used in conjunction with the mixer/dryer, at least once per ~~shift~~ **day** when the drying/mixing process is in operation ~~when venting to the atmosphere.~~ When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 9.0 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 Monitoring Plan - Failure to Take Response Steps~~ **Response to Excursions and Exceedances**. 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 Monitoring Plan - Failure to Take Response Steps~~ **Response to Excursions and Exceedances**, shall be considered a ~~violation of~~ **deviation from** this permit.
- (b) The instrument used for determining the pressure shall comply with Section C - ~~Pressure Gauge and Other Instrument Specifications~~, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.1.17 Baghouse Inspections

~~A baghouse inspection, including inspection of all bags controlling the dryer/burner operation, shall be performed within three months of redirecting vents to the atmosphere and every three months of plant operation time thereafter. Inspections are optional when venting indoors. 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. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B – Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C – Compliance Response Plan Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.~~
- ~~(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B – Emergency Provisions).~~

D.1.20 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For a single compartment baghouses controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has 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).**
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emission unit. 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).**

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

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

D.1.19 Cutback Asphalt Production Rate

~~To document compliance with Condition D.1.7, the Permittee shall maintain daily records at the source of the following values:~~

- ~~(a) Amount of liquid binder used in the production of cold mix cutback asphalt; and~~
- ~~(b) Average diluent content of the liquid binder.~~

~~D.1.20~~ **D.1.21** Record Keeping Requirements

- (a) To document compliance with Condition D.1.2, the Permittee shall maintain **daily** records of ~~the amount of asphalt produced per day~~ **production**.
- (b) To document compliance with Conditions **D.1.4**, D.1.5, ~~and D.1.6~~ **D.1.7, and D.1.10**, the Permittee shall maintain records in accordance with (1) through (7) below. Records maintained for (1) through (7) shall be taken daily and shall be complete and sufficient to establish compliance with the SO₂, ~~and~~ NO_x, **and HCl** emission limits established in Conditions **D.1.4**, D.1.5, ~~and D.1.6~~ **D.1.7**.

- (1) Calendar dates covered in the compliance determination period;
- (2) Actual fuel usage of each fuel used since last compliance determination period and equivalent sulfur dioxide, ~~and~~ nitrogen oxide emissions, **and hydrochloric acid 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; 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, **or waste oil, and a statement from the fuel supplier that certifies the chlorine content of the waste oil**; and
- (7) Amount of hours of operation of each of the two (2) reciprocating internal combustion engines.

- (c) **To document compliance with Condition D.1.6, the Permittee shall document VOC usage as follows:**

- (1) **Amount and type of liquid binder used in the production of cold mix asphalt each day;**
- (2) **Type and VOC solvent content by weight of the liquid binder used in the production of cold mix asphalt each day;**
- (3) **Amount of VOC solvent used in the production of cold mix asphalt each day.**

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.

- ~~(e)~~(d) To document compliance with Condition ~~D.1.15~~ **D.1.18**, the Permittee shall maintain a **daily** records of visible emission notations of the conveyors, transfer points, and the dryer/burner stack exhaust SV1 ~~once per shift~~. **The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).**

- (e) To document compliance with Condition ~~D.1.16~~ **D.1.19**, the Permittee shall maintain ~~one~~ **one** ~~per shift~~ **a daily** records of the ~~total static~~ pressure drop **across the baghouse. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).**
- ~~(e) 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.~~
- (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

~~D.1.21~~ **D.1.22** Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.2, **D.1.4**, D.1.5, D.1.6 and D.1.7 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).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

and

~~INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES~~

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION

...

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
~~P.O. Box 6015~~

MC 61-53 IGCN 1003

100 North Senate Avenue

Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Phone: 317-233-~~5674~~ **0178**

Fax: 317-233-~~5967~~ **6865**

and

~~INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES~~

~~Air Compliance~~

~~2700 South Belmont Avenue~~

~~Indianapolis, IN 46221-2209~~

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT

Source Name: Rieth - Riley Construction Co., Inc.
Source Address: Portable
Mailing Address: P.O. Box 477, Goshen, Indiana 46527-0477
FESOP No.: F097-18257-05241

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~~ **0178**, 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~~ **6865**), and follow the other requirements of 326 IAC 2-7-16

...

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION
 and
 INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
 AIR COMPLIANCE**

**FESOP Monthly Report
 (Submit Report Quarterly)**

Source Name: _____ Rieth - Riley Construction Co., Inc.
 Source Address: _____ Portable
 Mailing Address: _____ P.O. Box 477, Goshen, Indiana 46527-0477
 FESOP No.: _____ F097 18257 05241
 Facility: _____ Dryer/mixer
 Parameter: _____ Gallons of waste oil burned in the aggregate dryer (SO₂)
 Limit: _____ 1,850,000 gallons of waste oil per 365 consecutive day period, where each gallon of No.2 distillate oil shall be equivalent to 0.483 gallons of waste oil, each gallon of No.4 distillate oil shall be equivalent to 0.510 gallons of waste oil, each thousand gallons of butane shall be equivalent to 0.000612 gallons of waste oil, each thousand gallons of propane shall be equivalent to 0.000680 gallons of waste oil, and each million cubic feet of natural gas shall be equivalent to 4.082 gallons of waste oil. Each hour of operation of the 0.665 million British thermal units per hour reciprocating engine shall be equivalent to 1.312 gallons of waste oil and each hour of operation of the 6.65 million British thermal units per hour engine shall be equivalent to 22.85 gallons of waste oil.

Month: _____ Year: _____

Day	gallons of waste oil or equivalent burned (this day)	gallons of waste oil or equivalent burned (last 364 days)	gallons of waste oil or equivalent burned (365 day total)	Day	Gallons of waste oil or equivalent burned (this day)	gallons of waste oil or equivalent burned (last 364 days)	gallons of waste oil or equivalent burned (365 day total)
1				17			
2				18			
3				19			
4				20			
5				21			
6				22			
7				23			
8				24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			
16							

No deviation occurred in this month.
 Deviation/s occurred in this month.
 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
 and
 INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
 AIR COMPLIANCE**

**FESOP Monthly Report
 (Submit Report Quarterly)**

Source Name: Rieth - Riley Construction Co., Inc.
 Source Address: Portable
 Mailing Address: P.O. Box 477, Goshen, Indiana 46527-0477
 FESOP No.: F097 18257 05241
 Facility: Dryer/mixer
 Parameter: Million Cubic Feet of natural gas burned in the aggregate dryer (NO_x)
 Limit: Less than 1,980 million cubic feet of natural gas per 365 consecutive day period, where every 1,000 gallons of butane shall be equivalent to 0.1105 million cubic feet of natural gas, every 1,000 gallons of propane shall be equivalent to 0.100 million cubic feet of natural gas, every 1,000 gallons of waste oil shall be equivalent to 0.0842 million cubic feet of natural gas, every 1,000 gallons of No. 2 distillate oil shall be equivalent to 0.1263 million cubic feet of natural gas, every 1,000 gallons of No. 4 distillate oil shall be equivalent to 0.1263 million cubic feet of natural gas and each hour of operation of the 0.505 million British thermal units per hour engine shall be equivalent to 0.0117 million cubic feet of natural gas and each hour of operation of the 5.473 million British thermal units per hour engine shall be equivalent to 0.0893 million cubic feet of natural gas.

Month: Year:

Day	Million Cubic Feet of Gas or equivalent burned (this day)	Million Cubic Feet of Gas or equivalent burned (last 364 days)	Million Cubic Feet of Gas or equivalent burned (365 day total)	Day	Million Cubic Feet of Gas or equivalent burned (this day)	Million Cubic Feet of Gas or equivalent burned (last 364 days)	Million Cubic Feet of Gas or equivalent burned (365 day total)
1				17			
2				18			
3				19			
4				20			
5				21			
6				22			
7				23			
8				24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			
16							

No deviation occurred in this month.
 Deviation/s occurred in this month.
 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
and
~~INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES~~
~~AIR COMPLIANCE~~

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

ATTACHMENT A

Asphalt Plant Site Fugitive Dust Control Plan

Fugitive particulate matter emissions shall be controlled according to the following plan.

- (a) unpaved roads shall be controlled by one or more of the following:
 - (1) treating with water on an as-needed basis.
 - (2) paving with asphalt.
 - (3) treating with emulsified asphalt on an as-needed basis.
 - (4) double chip and seal the road surface on an as-needed basis.
- (b) dust from storage piles shall be controlled by one or more of the following measures:
 - (1) treating the stockpile area with water on an as-needed basis.
 - (2) treating the stockpiles with water on an as-needed basis.
 - (3) maintain minimum size and number of aggregate storage piles.
 - (4) treating stockpiles with emulsified asphalt on an as needed basis.
- (c) dust from outdoor conveying of aggregates shall be controlled by applying water at the feed and intermediate points on an as needed basis.
- (d) dust from the transferring of aggregates shall be controlled by one or more of the following measures:
 - (1) minimize the vehicular distance between transfer points and enclose transfer points.
 - (2) apply water to transfer points on an as-needed basis.
 - (3) enclose the transfer points.
- (e) dust from the transportation of aggregate by truck, front end loader, etc., shall be controlled by one or more of the following measures:
 - (1) tarping aggregate hauling vehicles.
 - (2) maintain 10 mile per hour speed limits.
 - (3) maintain vehicle bodies in a condition that prevents leakage.
 - (4) spray aggregates with water.
- (f) dust from the loading and unloading of aggregates shall be controlled by one or more of the following measures:
 - (1) reduce free fall distance to a minimum.
 - (2) reduce the rate of discharge.
 - (3) spray water on aggregates on an as-needed basis.

9 No deviation occurred in this quarter.

9 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.

9 No deviation occurred in this quarter.

9 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.

9 No deviation occurred in this quarter.

9 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: Rieth-Riley Construction Co., Inc.
 Source Address: Portable
 Mailing Address: P.O. Box 477, Goshen, Indiana, 46527-0477
 FESOP Permit No.: F097-18257-05241
 Facility: Aggregate dryer burner, load out, and yard
 Parameter: Asphalt production rate to limit PM/PM10 emissions
 Limit: The asphalt production rate shall be limited to less than 1,000,000 tons per 365 consecutive day period with compliance determined at the end of each day.

MONTH: _____ YEAR: _____

Day	Amount of asphalt produced this day (tons)	Amount of asphalt produced previous 364 days (tons)	365 day total amount of asphalt produced (tons)	Day	Amount of asphalt produced this day (tons)	Amount of asphalt produced previous 364 days (tons)	365 day total amount of asphalt produced (tons)
1				17			
2				18			
3				19			
4				20			
5				21			
6				22			
7				23			
8				24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			
16							

9 No deviation occurred in this quarter.

9 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.

9 No deviation occurred in this quarter.

9 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.

Upon further review, IDEM has also made the following changes to the permit:

2. The title of the authorized individual has been removed from Section A.1 of the permit. This information is maintained by IDEM and does not need to be listed in the permit. The Permittee must notify IDEM if the authorized individual or the contact information for the authorized individual changes. Condition A.1 has been revised to reflect this change and to show that the source will be located in Porter County.

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

The Permittee owns and operates a portable hot mix drum asphalt manufacturing source.

Authorized Individual: ~~Edward J. Clements, Environmental Engineer~~
Source Address: Portable
Mailing Address: P.O. Box 477, Goshen, Indiana 46527-0477
General Source Phone: 574 - 875 - 5183
SIC Code: 2951
Source Location Status: ~~Knox~~ Porter County
Nonattainment for the 8-hour Ozone Standard
Attainment for all **other** criteria pollutants
Source Status: Federally Enforceable State Operating Permit (FESOP)
Minor Source, under PSD or Emission Offset Rules;
Minor Source, Section 112 of the Clean Air Act
Not 1 of 28 Source Categories

3. IDEM, OAQ has added the specific mail codes (MC) for each of the IDEM branches to improve mail delivery and the address and telephone numbers have been updated.

Permits Branch: **MC 61-53 IGCN 1003**
Air Compliance: **MC 61-53 IGCN 1003**
Compliance Data: **MC 61-53 IGCN 1003**
Compliance Branch: **MC 61-53 IGCN 1003**
Asbestos Section: **MC 61-52 IGCN 1003**
Technical Support and Modeling: **MC 61-50 IGCN 1003**

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, ~~P.O. Box 6015~~
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Telephone No.: 317-233-~~5674~~ **0178**
Facsimile No.: 317-233-~~5967~~ **6865**

4. The source is no longer located in the jurisdiction of the Indianapolis Office of Environmental Services; therefore, all references to this local agency have been removed from the permit.
5. The original FESOP No.: 097-18257-05241 was issued in 2004. For clarification purposes, the entire B and C sections of the permit have been replaced. Specific changes are as noted below.
 - A. For clarification purposes, Condition B.4 (previously B.3 - Permit Term) has been revised as follows.
 - B. New conditions B.2 (Revocation of Permits), B.3 (Affidavit of Construction), and B.5 (Term of Conditions), have been added to Section B as shown below. The Effective Date of the Permit condition and the General Construction Conditions (previously Conditions B.23 and B.24) have been removed from the permit, as they have been replaced by the new B.2 and B.3.

- C. Condition B.4 - Termination of Right to Operate has been moved to Condition B.14. The conditions after B.14 have been renumbered.
- D. Condition B.6 (previously B.4 - Enforceability) has been revised to reflect that the asphalt plant is no longer located in a local agency's jurisdiction.
- E. IDEM has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request, records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation. Therefore, IDEM has deleted paragraph (b) of Section B – Preventive Maintenance, and has amended the Section B – Emergency Provisions condition.
- F. For clarification purposes, Condition B.19 (previously Condition B.16 - Permit Renewal) has been revised.
- G. Condition B.21 (previously Condition B.18 - Operational Flexibility) has been revised to clarify the permit and condition terms.
- H. The statement related to the nonroad engines in Condition B.20 (previously Condition B.17 - Permit Amendment or Revision) has been removed.
- I. New Conditions B.15 (Prior Permits Superseded), B.16 (Termination of Right to Operate), and B.26 (Credible Evidence) have been added to the permit.
- J. To reflect that 326 IAC 6-3 has been incorporated into the State Implementation Plan (SIP), references to 40 CFR 52, Subpart P have been removed from Condition C.1 (Particulate Emission Limitations for Processes with Process Weight Rates Less than One Hundred (100) Pounds per Hour).
- K. In order to clarify that the potential to emit PM is limited to less than 250 tons per year, Condition C.2 (Overall Source Limit) has been revised.
- L. Because the source will be relocated to Porter County, Condition C.3 (Opacity) has been revised.
- M. The fugitive dust control plan submitted by the applicant on October 15, 2003 is now included as Attachment A to the permit. Therefore, Condition C.7 (Fugitive Particulate Matter Emission Limitations) has been revised.
- N. Upon further review, IDEM has determined to remove previous Condition C.8 - Operation of Equipment because the requirements in this condition have been included in Section D.
- O. IDEM realizes that the specifications of previous Condition C.15 - Pressure Gauge and Other Instrument Specifications, can only be practically applied to analog units, and has therefore clarified the condition to state that the condition only applies to analog units. Upon further review, IDEM has also determined that the accuracy of the instruments is not nearly as important as whether the instrument has a range that is appropriate for the normal expected reading of the parameter. Therefore, the language in Condition C.14 (previously Condition C.15) has been revised.
- P. IDEM has reconsidered the requirement to develop and follow a Compliance Response Plan. The Permittee will still be required to take reasonable response steps when a compliance monitoring parameter is determined to be out of range or abnormal. Replacing the requirement to develop and follow a Compliance Response Plan with a requirement to take reasonable response steps will ensure

that the control equipment is returned to proper operation as soon as practicable, while still allowing the Permittee the flexibility to respond to situations that were not anticipated. Previous Condition C.18 (Compliance Response Plan) has been replaced by Condition D.17 (Response to Excursions or Exceedances).

- Q. Condition C.19 (Emission Statement) has been added to the permit. The source will be relocated to Porter County. Pursuant to 326 IAC 2-6-1(a)(2)(B), the source is required to submit an emission statement to IDEM, OAQ by July 1 following a calendar year when the source emits NOx or VOC into the ambient air equal to or greater than twenty-five (25) tons.
- R. Condition C.22 (Relocation of Portable Sources) has been added to the permit to reflect that this is a portable source and to clarify the requirements associated with relocating this portable source.

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]

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

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, and OES within a reasonable time, any information that IDEM, OAQ, and OES 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, and OES copies of records required to be kept by this permit.~~

- ~~(b) For information furnished by the Permittee to IDEM, OAQ, and OES, 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 and OES 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 April 15 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~~

~~and~~

~~Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009~~

- ~~(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, and OES 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, and OES 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~~

~~and~~

~~Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009~~

~~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, and OES upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ, and OES. IDEM, OAQ, and OES 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, and OES, 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 IDEM, OAQ, Compliance Section) or,
Telephone No.: 317-233-5674 (ask for IDEM, OAQ, Compliance Section)
Facsimile No.: 317-233-5967~~

~~and~~

~~Telephone No.: 317-327-2234 (ask for OES Air Compliance Section)
Facsimile No.: 317-327-2274~~

~~(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~~

~~and~~

~~Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009~~

~~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, and OES, 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, and OES, 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~~

~~and~~

~~Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue~~

Indianapolis, IN 46221-2009

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 OES 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 OES 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 OES at least thirty (30) days in advance of the date this permit is to be reopened, except that OES 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 OES 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

and

Indianapolis Office of Environmental Services
Air Permits
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

~~(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, and OES on or before the date it is due.~~

~~(2) If IDEM, OAQ, and OES 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, and OES 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, and OES, 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~~

~~and~~

~~Indianapolis Office of Environmental Services
Air Permits
2700 South Belmont Avenue
Indianapolis, IN 46221-2009~~

~~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~~

~~Indianapolis Office of Environmental Services
Air Permits
2700 South Belmont Avenue
Indianapolis, IN 46221-2009~~

~~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, and OES, 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][IC 13-30-3-1]~~

~~Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, OES, 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~~

~~and~~

~~Indianapolis Office of Environmental Services
Air Permits
2700 South Belmont Avenue
Indianapolis, IN 46221-2009~~

~~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.~~
- ~~(a) Failure to pay may result in administrative enforcement action, or revocation of this permit.~~
- ~~(b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4320 (ask for OAQ, I/M & Billing Section), to determine the appropriate permit fee.~~
- ~~(c) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction work is suspended for a continuous period of one (1) year or more.~~

Construction Conditions

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1.1, 326 IAC 2-5.1, AND 40 CFR 52.780, WITH CONDITIONS LISTED BELOW.

~~B.23 Effective Date of the Permit [IC 13-15-5-3] [326 IAC 2-1.1-9(5)]~~

- ~~(a) Pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.~~
- ~~(b) Pursuant to 326 IAC 2-1.1-9(5) (Revocation of Permits), IDEM, OAQ, and OES may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this permit or if construction is suspended for a continuous period of one (1) year or more.~~
- ~~(c) All requirements of these construction conditions shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2.~~

~~B.24 General Construction Conditions~~

- ~~(a) Pursuant to 326 IAC 2-5.1-3(h), prior to start of operation, the attached Affidavit of Construction shall be submitted to the IDEM, OAQ (Permit Administration & Development Section), and OES~~
 - ~~(1) If the Affidavit of Construction verifies that the facilities covered in this Construction Permit were constructed as proposed in the application, then the facilities may begin operating on the date the Affidavit of Construction is postmarked or hand-delivered to IDEM, OAQ, and OES.~~
 - ~~(2) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2-8-11.1, and an Operation Permit Validation Letter is issued by IDEM, OAQ, or OES. Upon receipt of the Operation Permit Validation Letter, the Permittee shall attach it to this document.~~
- ~~(b) If construction is completed in phases; i.e., the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as stack testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.~~

SECTION C SOURCE OPERATION CONDITIONS

~~Entire Source~~

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

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

~~Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.~~

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

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

~~(a) Pursuant to 326 IAC 2-8:~~

~~(1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 326 IAC 2-3 (Emission Offset) not applicable.~~

~~(2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and~~

~~(3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty five (25) tons per twelve (12) consecutive month period.~~

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

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

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

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

~~(a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.~~

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

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

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

~~C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(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.6 Fugitive Dust Emissions [326 IAC 6-4]~~

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

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

~~Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on October 15, 2003. The plan consists of:~~

~~(a) unpaved roads shall be controlled by one or more of the following:~~

- ~~(1) treating with water on an as-needed basis.~~
- ~~(2) paving with asphalt.~~
- ~~(3) treating with emulsified asphalt on an as-needed basis.~~
- ~~(4) double chip and seal the road surface on an as-needed basis.~~

~~(b) dust from storage piles shall be controlled by one or more of the following measures:~~

- ~~(1) treating the stockpile area with water on an as-needed basis.~~
- ~~(2) treating the stockpiles with water on an as-needed basis.~~

~~(3) maintain minimum size and number of aggregate storage piles.~~

~~(4) treating stockpiles with emulsified asphalt on an as-needed basis.~~

~~(c) dust from outdoor conveying of aggregates shall be controlled by applying water at the feed and intermediate points on an as-needed basis.~~

~~(d) dust from the transferring of aggregates shall be controlled by one or more of the following measures:~~

~~(1) minimize the vehicular distance between transfer points and enclose transfer points.~~

~~(2) apply water to transfer points on an as-needed basis.~~

~~(3) enclose the transfer points.~~

~~(e) dust from the transportation of aggregate by truck, front end loader, etc., shall be controlled by one or more of the following measures:~~

~~(1) tarping aggregate hauling vehicles.~~

~~(2) maintain 10 mile per hour speed limits.~~

~~(3) maintain vehicle bodies in a condition that prevents leakage.~~

~~(4) spray aggregates with water.~~

~~(f) dust from the loading and unloading of aggregates shall be controlled by one or more of the following measures:~~

~~(1) reduce free fall distance to a minimum.~~

~~(2) reduce the rate of discharge.~~

~~(3) spray water on aggregates on an as-needed basis.~~

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

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

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

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

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

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

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

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

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

~~(A) Asbestos removal or demolition start date;~~

~~(B) Removal or demolition contractor; or~~

~~(C) Waste disposal site.~~

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

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

~~All required notifications shall be submitted to:~~

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

~~and~~

~~Indianapolis Office of Environmental Services~~

Asbestos Section
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

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

- (e) ~~Procedures for Asbestos Emission Control~~
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) ~~Demolition and renovation~~
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) ~~Indiana Accredited Asbestos Inspector~~
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

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

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

~~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~~

~~and~~

~~Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009~~

~~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, and OES 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, and OES not later than forty five (45) days after the completion of the testing. An extension may be~~

granted by IDEM, OAQ, and OES, if the Permittee submits to IDEM, OAQ, and OES a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.12 — Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.13 — Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

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

and

Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

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

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

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

(a) — Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (2%) of full scale reading.

(b) — Whenever a condition in this permit requires the measurement of a temperature, flow rate, or pH level, the instrument employed shall have a scale such that the expected normal

reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (2%) of full scale reading.

- ~~(c) The Permittee may request the IDEM, OAQ, and OES approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.~~

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

C.16 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

~~Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):~~

- ~~(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.~~

- ~~(b) These ERPs shall be submitted for approval to:~~

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

~~and~~

~~Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009~~

~~within ninety (90) days from the date of issuance of this permit.~~

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

- ~~(c) If the ERP is disapproved by IDEM, OAQ, and OES, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.~~

- ~~(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.~~

- ~~(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.~~

- ~~(f) Upon direct notification by IDEM, OAQ, and OES, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]~~

C.17 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.18 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. A CRP shall be submitted to IDEM, OAQ,~~

~~and OES upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:~~

- ~~(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.~~
 - ~~(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.~~
- ~~(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:~~
- ~~(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan, or~~
 - ~~(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.~~
 - ~~(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ, and OES 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.19 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, and OES 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, and OES that retesting in one hundred and twenty (120) days is not practicable, IDEM, OAQ, and OES may extend the retesting deadline.~~
- (c) ~~IDEM, OAQ, and OES reserve 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.20 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 OES Administrator makes a request for records to the Permittee, the Permittee shall furnish the records to the OES Administrator 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.21 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 IAC 2-1.1-1(1).~~
- (b) ~~The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:~~

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

~~and~~

Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

- ~~(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, and OES 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.22 — Relocation of Portable Sources [326 IAC 2-14-4]

- ~~(a) — This permit is approved for operation in all areas of Indiana except in severe nonattainment areas for ozone (at the time of this permit’s issuance these areas were Lake and Porter Counties). This determination is based on the requirements of Prevention of Significant Deterioration in 326 IAC 2-2, and Emission Offset requirements in 326 IAC 2-3. Prior to locating in any severe nonattainment area, the Permittee must submit a request and obtain a permit modification.~~
- ~~(b) — A request to relocate shall be submitted to IDEM, OAQ, and OES 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.23 — 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 B GENERAL CONDITIONS

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

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

B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4][326 IAC 2-8]

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 and [326 IAC 2-8] when prior to the start of operation, the following requirements are met:

(a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.

(b) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.

(c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

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

(a) This permit, F097-18257-05241, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

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

B.5 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.6 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.7 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.8 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.9 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.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. One (1) certification may cover multiple forms in one (1) submittal.
 - (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).
-

B.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 no later than April 15 of each year to:

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

B.12 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.13 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

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

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865
Northwest Regional Office phone: (219) 757-0265; fax: (219) 757-0267.

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

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

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

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

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

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

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

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

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

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

B.15 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to F097-18257-05241 and issued pursuant to permitting programs approved into the state implementation plan have been either:

- (1) incorporated as originally stated,
- (2) revised, or
- (3) deleted.

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

B.16 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.17 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 Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

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

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

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

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

B.18 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 Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a

notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:**
 - (1) That this permit contains a material mistake.**
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.**
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]**
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]**
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]**

B.19 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).**

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:**
 - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and**
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.**
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the**

Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.20 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

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

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

B.21 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

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

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

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

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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

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

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

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

B.22 Source Modification Requirement [326 IAC 2-8-11.1]

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

B.23 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

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

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.24 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

B.25 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.26 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

- (a) Pursuant to 326 IAC 2-8:
- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
 - (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
 - (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.
- (b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) not applicable.
- (c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.
- (d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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

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

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on October 15, 2003. The plan is included as Attachment A.

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

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

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

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

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control

requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

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

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

- (a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval. All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

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

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

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

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

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

C.15 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:

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

within 180 days from the date on which this source commences operation.

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

- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.16 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.17 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.

- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

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

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

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

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

C.19 Emission Statement [326 IAC 2-6]

- (a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit an emission statement by July 1 following a calendar year when the source emits oxides of nitrogen or volatile organic compounds into the ambient air equal to or greater than twenty-five (25) tons. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

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

- (b) The emission statement 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.20 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.21 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

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

- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

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

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

C.22 Relocation of Portable Sources [326 IAC 2-14-4]

- (a) This permit is approved for operation all attainment areas for ozone in Indiana and in Porter County which is classified as severe nonattainment for ozone. This determination is based on the requirements of Prevention of Significant Deterioration in 326 IAC 2-2, and Emission Offset requirements in 326 IAC 2-3. Prior to locating in any other severe nonattainment area, the Permittee must submit a request and obtain a permit revision.
- (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) 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.23 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.

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)

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

and
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES

Conclusion and Recommendation

This proposed modification shall be subject to the conditions of the attached proposed FESOP Significant Permit Revision No. 127-25248-05241. The staff recommends to the Commissioner that this FESOP Significant Permit Revision be approved.

Appendix A: Emission Calculations
Aggregate Dryer/Mixer - Natural Gas

Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: December 4, 2007

Maximum Throughput Capacity (tons/hr)	Maximum Heat Input Capacity (MMBtu/hr)	Potential Throughput (MMscf/yr)
400	100	859

1. PTE Using AP-42, Chapter 1.4

		PM*	PM10*	SO ₂	NO _x **	VOC	CO	Single HAP (Hexane)	Total HAPs
AP-42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, and 1.4-4 (7/98).	Emission Factor (lb/MMscf)	1.9	7.6	0.6	190	5.5	84.0	1.8	1.89
	PTE (tons/yr)	0.82	3.26	0.26	81.6	2.36	36.1	0.77	0.81

2. PTE Using AP-42, Chapter 11.1

		PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP (Formaldehyde)	Total HAPs
AP-42, Chapter 11.1, Tables 11.1-3, 11.1-7, 11.1-8, 11.1-10, 11.1-12 (3/04)	Emission Factor (lb/ton)	28.0	6.5	0.0034	0.026	0.032	0.13	0.0031	5.40E-03
	PTE (tons/yr)	49,056	11,388	5.96	45.6	56.1	228	5.43	9.46

3. Worst Case PTE for Natural Gas Combustion

	PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP (Formaldehyde)	Total HAPs
Worst Case PTE When Burning Natural Gas (tons/yr)***	49,056	11,388	5.96	81.6	56.1	228	5.43	9.46

* PM emission factor from AP-42, Chapter 1.4 is for filterable PM only. PM10 emission factor is filterable and condensable PM combined.

**Emission factor for NO_x (Uncontrolled Post-NSPS) = 190 lb/MMscf. Because this burner has a capacity of 100 MMBtu, the emission factors for boilers with a heat input capacity greater than 100 MMBtu/hr was used as a worst case scenario. Because this burner was constructed after June 19, 1984, the Post-NSPS emission factor was used pursuant to footnote (c) of AP-42, Chapter 1.4, Table 1.4-1.

*** When burning natural gas, the worst case PTE emission factors for PM, PM10, SO₂, VOC, CO, and HAPs are from AP-42, Chapter 11.1;

the worst case PTE emission factor for NO_x is from AP-42, Chapter 1.4.

Methodology

Potential Throughput (MMscf/yr) = Maximum Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMscf/1,020 MMBt

PTE (tons/yr) (AP-42, Chapter 1.4) = Potential Throughput (MMscf/yr) x Emission Factor (lbs/MMscf) x 1 ton/2,000 lb:

PTE (tons/yr) (AP-42, Chapter 11.1) = Maximum Throughput Capacity (tons/hr) x Emission Factor (lbs/ton) x 8,760 hrs/yr x 1 ton/2,000 lb

**Appendix A: Emission Calculations
Aggregate Dryer/Mixer - No. 2 Fuel Oil**

**Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: December 4, 2007**

Maximum Throughput Capacity (tons/hr)	Maximum Heat Input Capacity (MMBtu/hr)	Potential Throughput (kgal/yr)	Weight % Sulfur (%)
400	100	6,257	0.50

1. PTE Using AP-42, Chapter 1.3

		PM	PM10	SO ₂	NOx	VOC	CO	Single HAP (Formaldehyde)	Organic HAPs	Metal HAPs
AP-42, Chapter 1.3, Tables 1.3-1, 1.3-2, 1.3-3, 1.3-9, and 1.3-10 (9/98)	Emission Factor (lb/kgal)	2.0	3.3	78.5 (157 S)	24	0.20	5.0	0.061	0.06	4.90E-05 (lb/MMBtu)
	PTE (tons/yr)	6.26	10.3	246	75.1	0.63	15.6	0.19	0.20	0.02

2. PTE Using AP-42, Chapter 11.1

		PM	PM10	SO ₂	NOx	VOC	CO	Single HAP (Formaldehyde)	Total HAPs
AP-42, Chapter 11.1, Tables 11.1-3, 11.1-7, 11.1-8, 11.1-10, 11.1-12 (3/04)	Emission Factor (lb/ton)	28.0	6.5	0.011	0.055	0.032	0.13	0.0031	1.24E-02
	PTE (tons/yr)	49,056	11,388	19.3	96.4	56.1	228	5.43	21.8

3. Worst Case PTE for No. 2 Fuel Oil Combustion*

	PM	PM10	SO ₂	NOx	VOC	CO	Single HAP (Formaldehyde)	Total HAPs
Worst Case PTE When Burning No. 2 Fuel Oil (tons/yr)	49,056	11,388	246	96.4	56.1	228	5.43	21.8

1 gallon of No. 2 Fuel Oil has a heating value of 140,000 Btu

* When burning No. 2 fuel oil, the worst case PTE emission factors for PM, PM10, NOx, VOC, CO, and HAPs are from AP-42, Chapter 11.1; the worst case PTE emission factor for SO₂ is from AP-42, Chapter 1.3.

Methodology

Potential Throughput (kgal/yr) = Maximum Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 kgal/1,000 gal x 1 gal/0.140 MMBtu

PTE (tons/yr) (AP-42, Chapter 1.3) = Potential Throughput (kgal/yr) x Emission Factor (lb/kgal) x 1 ton/2,000 lbs

PTE (tons/yr) (AP-42, Chapter 11.1) = Maximum Throughput Capacity (tons/hr) x Emission Factor (lbs/ton) x 8,760 hrs/yr x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
Aggregate Dryer/Mixer - Waste Oil**

Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: December 4, 2007

Maximum Throughput Capacity (tons/hr)	Maximum Heat Input Capacity (MMBtu/hr)	Potential Throughput (kgal/yr)	Weight % Sulfur (%)	Weight % Ash (%)	Weight % Chlorine (%)	Weight % Lead (%)
400	100	7,300	1.00	1.00	0.4	0.14

1. PTE Using AP-42, Chapter 1.11

		PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP (HCl)	Lead	Total HAPs
AP-42, Chapter 1.11, Tables 1.11-1, 1.11-2, 1.11-3, 1.11-4, and 1.11-5 (10/96)	Emission Factor (lb/kgal)	64.0 (64 A)	51.0 (51 A)	147 (147 S)	19	1.0	5.0	26.4 (66 C)	7.80 (55 L)	34.4
	PTE (tons/yr)	234	186	537	69.4	3.65	18.3	96.4	28.5	126

2. PTE Using AP-42, Chapter 11.1

		PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP (Formaldehyde)	Total HAPs
AP-42, Chapter 11.1, Tables 11.1-3, 11.1-7, 11.1-8, 11.1-10, 11.1-12 (3/04)	Emission Factor (lb/ton)	28.0	6.5	0.058	0.055	0.032	0.13	0.0031	0.01
	PTE (tons/yr)	49,056	11,388	102	96.4	56.1	228	5.43	18.1

3. Worst Case PTE for Waste Oil Combustion*

	PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP (HCl)	Total HAPs
Worst Case PTE When Burning Waste Oil (tons/yr)	49,056	11,388	537	96.4	56.1	228	96.4	126

1 gallon of waste oil has a heating value of 120,000 Btu

* When burning waste oil, the worst case PTE emission factors for PM, PM10, NO_x, VOC, and CO are from AP-42, Chapter 11.1; the worst case PTE emission factors for SO₂ and HAPs are from AP-42, Chapter 1.11.

Methodology

Potential Throughput (kgal/yr) = Maximum Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 kgal/1,000 gal x 1 gal/0.120 MMBtu

PTE (tons/yr) (AP-42, Chapter 1.11) = Potential Throughput (kgal/yr) x Emission Factor (lb/kgal) x 1 ton/2,000 lbs

PTE (tons/yr) (AP-42, Chapter 11.1) = Maximum Throughput Capacity (tons/hr) x Emission Factor (lbs/ton) x 8,760 hrs/yr x 1 ton/2,000 lbs

Appendix A: Emission Calculations
Aggregate Dryer/Mixer - Fuel Oil No. 4

Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: December 4, 2007

Maximum Throughput Capacity (tons/hr)	Maximum Heat Input Capacity (MMBtu/hr)	Potential Throughput (kgal/yr)	Weight % Sulfur (%)
400	100	6,348	0.50

1. PTE Using AP-42, Chapter 1.3

		PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP	Total HAPs
AP-42, Chapter 1.3, Tables 1.3-1, 1.3-2, 1.3-3, 1.3-9, and 1.3-11 (9/98)	Emission Factor (lb/kgal)	7.0	8.5	75 (150 S)	47	0.20	5.0	8.45E-02	0.19
	PTE (tons/yr)	22.2	27.0	238	149	0.63	15.9	0.27	0.59

2. PTE Using AP-42, Chapter 11.1

		PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP	Total HAPs
AP-42, Chapter 11.1, Tables 11.1-3, 11.1-7, 11.1-8, 11.1-10, 11.1-12 (3/04)	Emission Factor (lb/ton)	28.0	6.5	0.058	0.055	0.032	0.13	0.0031	0.01
	PTE (tons/yr)	49,056	11,388	102	96.4	56.1	228	5.43	18.1

3. Worst Case PTE for No. 4 Fuel Oil Combustion

	PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP	Total HAPs
Worst Case PTE When Burning Fuel Oil No. 4 Oil (tons/yr)	49,056	11,388	238	149	56.1	228	5.43	18.1

The emission factors above from AP-42, Chapter 1.3 are for Fuel Oil No. 4. The emission factors above from AP-42, Chapter 11.1 are for waste oil combustion.

As a worst case scenario, these calculations represent the emission calculations for fuel oil No. 4.

1 gallon of No. 4 fuel oil has a heating value of 138,000 Btu

* When burning waste oil, the worst case PTE emission factors for PM, PM10, VOC, CO, and HAPs are from AP-42, Chapter 11.1;

the worst case PTE emission factors for SO₂ and NO_x are from AP-42, Chapter 1.3.

Methodology

Potential Throughput (kgal/yr) = Maximum Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 kgal/1,000 gal x 1 gal/0.138 MMBtu

PTE (tons/yr) (AP-42, Chapter 1.3) = Potential Throughput (kgal/yr) x Emission Factor (lb/kgal) x 1 ton/2,000 lbs

PTE (tons/yr) (AP-42, Chapter 11.1) = Maximum Throughput Capacity (tons/hr) x Emission Factor (lb/ton) x 8,760 hrs/yr x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
Aggregate Dryer/Mixer - Propane or Butane**

**Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: December 4, 2007**

Maximum Throughput Capacity (tons/hr)	Maximum Heat Input Capacity (MMBtu/hr)	Potential Throughput (kgal/yr)	Weight % Sulfur (%)
400	100	9,574	0.50

1. PTE Using AP-42, Chapter 1.3

		PM	PM10	SO ₂	NO _x	VOC	CO
AP-42, Chapter 1.5, Table 1.5-1 [10/96]	Emission Factor (lb/kgal)	0.6	0.6	0.05 (0.10 S)	21	0.60	3.6
	PTE (tons/yr)	2.87	2.87	2.39E-01	101	2.87	17.2

There are no HAP emission factors available in AP-42 for external combustion of propane or butane.

2. PTE Using AP-42, Chapter 11.1

		PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP	Total HAPs
AP-42, Chapter 11.1, Tables 11.1-3, 11.1-7, 11.1-8, 11.1-10, 11.1-12 (3/04)	Emission Factor (lb/ton)	28.0	6.5	0.0034	0.026	0.032	0.13	0.0031	0.01
	PTE (tons/yr)	49,056	11,388	5.96	45.6	56.1	228	5.43	18.1

3. Worst Case PTE for No. 4 Fuel Oil Combustion

	PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP	Total HAPs
Worst Case PTE When Burning Fuel Oil No. 4 Oil (tons/yr)	49,056	11,388	5.96	101	56.1	228	5.43	18.1

The emission factors above from AP-42, Chapter 1.5 represent the worst case from burning either butane or propane in an industrial boiler.

The emission factors above from AP-42, Chapter 11.1 are for natural gas combustion (there are no emission factors available in this chapter for propane or butane).

1 gallon of propane has a heating value of 91,500 Btu

* When burning propane or butane, the worst case PTE emission factors for PM, PM10, SO₂, VOC, CO, and HAPs are from AP-42, Chapter 11.1; the worst case PTE emission factor for NO_x is from AP-42, Chapter 1.5.

Methodology

Potential Throughput (kgal/yr) = Maximum Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 kgal/1,000 gal x 1 gal/0.0915 MMBtu

PTE (tons/yr) (AP-42, Chapter 1.5) = Potential Throughput (kgal/yr) x Emission Factor (lb/kgal) x 1 ton/2,000 lbs

PTE (tons/yr) (AP-42, Chapter 11.1) = Maximum Throughput Capacity (tons/hr) x Emission Factor (lb/ton) x 8,760 hrs/yr x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
Aggregate Dryer/Mixer Limits**

**Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: December 4, 2007**

Maximum Capacity (tons/hr)

400

Limited Capacity (tons/yr)

1,000,000

	Limited Emission Factor	Control Efficiency (%)
PM	0.132	99.9%
PM10	0.107	99.9%

Emission Factors (lbs/ton)	PM	PM10	CO	VOC
	28	6.5	0.13	0.032

Unlimited Potential to Emit (tons/yr)	PM	PM10	CO	VOC
	49,056	11,388	228	56.1

Limited Potential to Emit (tons/yr)	PM	PM10	CO	VOC
	66.0	53.5	65.0	16.0

Potential to Emit After Controls (tons/yr)	PM	PM10	CO	VOC
	58.9	13.7	65.0	16.0

See pages 1 through 5 of the appendix for emission estimates for the other pollutants of combustion (SO₂, NO_x, and HAP) from the aggregate dryer/mixer. Emission factors are from AP-42 Chapter 11.1, Table 11.1-1 [3/04].

Methodology

Unlimited Potential to Emit (tons/yr) = Maximum Capacity (tons/hr) x Uncontrolled Emission Factor (lbs/ton) x 8,760 hr/yr x 1 ton/2,000 lbs

Limited Potential to Emit (tons/yr) = Maximum Capacity (tons/hr) x Limited Emission Factor (lbs/ton) x 8,760 hr/yr x 1 ton/2,000 lbs

Potential to Emit After Controls (tons/yr) (PM and PM10) = Unlimited Potential to Emit (tons/yr) x (1-Control Efficiency %)

Appendix A: Emission Calculations
Fuel Usage/Operational Hours Limits for SO₂ and NO_x

Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: December 4, 2007

1. SO₂ Limits

Emission Unit	Fuel Type	Unlimited Fuel Usage	Fuel Usage Units	AP-42 Emission Factor (lb/kgal)	Unlimited PTE SO ₂ (tons/yr)	Limited Fuel Usage	Fuel Usage Units	Limited PTE SO ₂ (tons/yr)	Fuel Equivalency	Hour Equivalency
Aggregate Dryer Burner	Waste Oil	7,300	kgal/yr	147	537	1,269	kgal/yr	93.3	1.00	N/A
Aggregate Dryer Burner	No. 4 Fuel Oil	6,348	kgal/yr	75.0	238	2,488	kgal/yr	93.3	0.510	N/A
Aggregate Dryer Burner	No. 2 Fuel Oil	6,257	kgal/yr	78.5	246	2,377	kgal/yr	93.3	0.534	N/A
Generator - 0.665 MMBtu/hr	No. 2 Fuel Oil	41.6	kgal/yr	40.6	0.84	4,596	kgal/yr	93.3	0.276	1.31
Generator - 6.65 MMBtu/hr	No. 2 Fuel Oil	416	kgal/yr	70.7	14.7	2,639	kgal/yr	93.3	0.481	22.8

Methodology

Fuel Equivalency = AP-42 Emission Factor (lb/kgal) for Fuel Type / AP-42 Emission Factor (lb/kgal) for Waste Oil

Hour Equivalency = (Unlimited PTE SO₂ from Generator (tons/yr) x 2,000 lbs/ton x 1 yr/8,760 hrs) / (AP-42 Emission Factor for Waste Oil (lb/kgal) x 1 kgal/1,000 gal)

Limited Fuel Usage for Waste Oil (kgal/yr) = Limited PTE SO₂ (tons/yr) x 2,000 lbs/ton / AP-42 Emission Factor (lb/kgal)

Limited Fuel Usage for No. 2 and No. 4 Fuel Oil (kgal/yr) = Limited Fuel Usage of Waste Oil (kgal/yr) / Fuel Equivalency

2. NO_x Limits

Emission Unit	Fuel Type	Unlimited Fuel Usage	Fuel Usage Units	AP-42 Emission Factor (lb/kgal)**	Unlimited PTE NO _x (tons/yr)	Limited Fuel Usage	Fuel Usage Units	Limited PTE NO _x (tons/yr)	Fuel Equivalency	Hour Equivalency
Aggregate Dryer Burner	Waste Oil	7,300	kgal/yr	26.4	96.4	7,417	kgal/yr	97.9	0.139	N/A
Aggregate Dryer Burner	No. 4 Fuel Oil	6,348	kgal/yr	47.0	149	4,166	kgal/yr	97.9	0.247	N/A
Aggregate Dryer Burner	No. 2 Fuel Oil	6,257	kgal/yr	30.8	96.4	6,357	kgal/yr	97.9	0.162	N/A
Aggregate Dryer Burner	Natural Gas	859	MMscf/yr	190	81.6	1,031	MMscf/yr	97.9	1.00	N/A
Aggregate Dryer Burner	Propane/Butane	9,574	kgal/yr	21.0	101	9,324	kgal/yr	97.9	0.111	N/A
Generator - 0.665 MMBtu/hr	No. 2 Fuel Oil	41.6	kgal/yr	617	12.8	317	kgal/yr	97.9	3.25	0.015
Generator - 6.65 MMBtu/hr	No. 2 Fuel Oil	416	kgal/yr	448	93.2	437	kgal/yr	97.9	2.36	0.112

**The NO_x emission factor for natural gas combustion above is in lb/MMscf.

**The NO_x emission factors for No. 2 fuel oil and waste oil combustion shown above were calculated by following equation:

Emission Factor (lb/kgal) = AP-42, Chapter 11.1 Emission Factor (lb/ton) x Max Capacity of Unit (tons/MMBtu) x Heating Value (MMBtu/gal) x 1,000 gal/kgal

Waste Oil: Emission Factor (lb/kgal) = 0.055 lb NO_x/ton of asphalt x 400 tons of asphalt/100 MMBtu x 0.120 MMBtu/gal x 1,000 gal/kgal

No. 2 Fuel Oil: Emission Factor (lb/kgal) = 0.055 lb NO_x/ton of asphalt x 400 tons of asphalt/100 MMBtu x 0.140 MMBtu/gal x 1,000 gal/kgal

**The NO_x emission factors shown above for the generators were calculated by the following equation:

Emission Factor (lb/kgal) = AP-42, Chapter 3 Emission Factor (lb/MMBtu) x Heating Value (MMBtu/gal) x 1,000 gal/kgal

Small Generator (0.665 MMBtu/hr): Emission Factor (lb/kgal) = 4.41 lb NO_x/MMBtu x 0.140 MMBtu/gal x 1,000 gal/kgal

Large Generator (6.65 MMBtu/hr): Emission Factor (lb/kgal) = 3.2 lb NO_x/MMBtu x 0.140 MMBtu/gal x 1,000 gal/kgal

Methodology

Fuel Equivalency = AP-42 Emission Factor (lb/kgal) for Fuel Type / AP-42 Emission Factor (lb/MMscf) for Natural Gas

Hour Equivalency = (Unlimited PTE NO_x from Generator (tons/yr) x 2,000 lbs/ton x 1 yr/8,760 hrs) / (AP-42 Emission Factor for Natural Gas (lb/MMscf))

Limited Fuel Usage for Natural Gas (MMscf/yr) = Limited PTE NO_x (tons/yr) x 2,000 lbs/ton / AP-42 Emission Factor (lb/MMscf)

Limited Fuel Usage for No. 2, No. 4, Waste Oil, and Propane/Butane (kgal/yr) = Limited Fuel Usage of Natural Gas (MMscf/yr) / Fuel Equivalency

Appendix A: Emission Calculations
Potential to Emit Calculations for Unpaved Roads

Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: December 4, 2007

1. Emission Factors: AP-42

According to AP-42, Chapter 13.2.2 - Unpaved Roads (11/06), the PM/PM10 emission factors for unpaved roads can be estimated from the following equation:

$$E = k \times (s/12)^a \times (w/3)^b \times ((365 - p)/365)$$

where:

- E = emission factor (lb/vehicle mile traveled)
- s = surface material silt content (%) = 4.8 %
- w = mean vehicle weight (tons) see below
- k = empirical constant = 4.9 for PM and 1.5 for PM10
- a = empirical constant = 0.7 for PM and 0.9 for PM10
- b = empirical constant = 0.45 for PM and PM10
- p = number of days per year with 0.01 inches precipitation 125

2. Potential to Emit (PTE) of PM/PM10 Before Control from Unpaved Roads:

Vehicle Type	Mean Vehicle Weight (tons)	Vehicle Miles Traveled (VMT) (miles/yr)	PM Emission Factor (lbs/mile)	PM10 Emission Factor (lbs/mile)	PTE of PM (tons/yr)	PTE of PM10 (tons/yr)
Front End Loader	38.0	49,313	5.32	1.36	131	33.4
Triaxle Dump Trucks	38.0	13,205	5.32	1.36	35.1	8.95
Quad Axle Dump Trucks	38.0	10,552	5.32	1.36	28.1	7.15
Semi-Trailer Dump Trucks	38.0	9,424	5.32	1.36	25.1	6.39
Total					219	55.9

Methodology

PTE of PM/PM10 (tons/yr) = VMT (miles/yr) x PM/PM10 Emission Factors (lbs/mile) x 1 ton/ 2,000 lb:

3. Potential to Emit (PTE) of PM/PM10 after Control from Unpaved Roads:

The control efficiency from the procedures in the Fugitive Dust Control Plan for unpaved roads is assumed to be 50%.

PTE of PM after Control = 219 tons/yr x (1-50%) = **110 tons/yr**

PTE of PM10 after Control = 55.9 tons/yr x (1-50%) = **28.0 tons/yr**

**Appendix A: Emission Calculations
Potential to Emit from Conveying and Handling**

**Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: December 4, 2007**

1. Emission Factors: AP-42

According to AP-42, Chapter 13.2.4 - Aggregate Handling and Storage Piles (11/06), the PM/PM10 emission factors for aggregate handling for batch or continuous drop operations can be estimated from the following equation:

$$E = k (0.0032) \times (U/5)^{1.3} / (M/2)^{1.4}$$

where:

E = emission factor (lbs/ton)	
k = particle size multiplier =	0.74 for PM and 0.35 for PM10
M = material moisture content (%) =	4.80 %
U = mean wind speed =	15 mph
PM Emission Factor =	0.0029 lbs/ton
PM10 Emission Factor =	0.0014 lbs/ton

2. Potential to Emit (PTE) of PM/PM10 from Material Conveying and Handling:

Drop Point Description	Maximum Throughput Capacity (tons/hr)	PM Emission Factor (lbs/ton)	PM10 Emission Factor (lbs/ton)	PTE of PM (tons/yr)	PTE of PM10 (tons/yr)
Front End Loaders to Feeder Bins	400	0.0029	0.0014	5.08	2.40
Drag Slat Conveyor	400	0.0029	0.0014	5.08	2.40
Feeder Conveyors	400	0.0029	0.0014	5.08	2.40
Screen	400	0.0029	0.0014	5.08	2.40
Cold Feed Bins	400	0.0029	0.0014	5.08	2.40
RAP Feed Bins	400	0.0029	0.0014	5.08	2.40
			Total	30.5	14.4

Methodology:

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

**Appendix A: Emission Calculations
Potential to Emit from Storage Piles**

**Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: December 4, 2007**

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

$$E_f = \frac{1.7 \cdot (s/1.5)^3 \cdot (365-p)}{235 \cdot (f/15)}$$

$$\text{PTE of PM (storage)} = \frac{E_f \cdot sc \cdot (20 \text{ cuft/ton}) \cdot (365 \text{ day/yr})}{(2000 \text{ lb/ton}) \cdot (43560 \text{ sqft/acre}) \cdot (25 \text{ ft})}$$

Material	s (% silt)	p	f	Emission Factor (lb/acre/day)	sc (tons storage capacity)	PTE of PM (tons/yr)	PTE of PM10* (tons/yr)
Sand	1.50	125	15	1.74	13,000	0.08	0.03
Gravel	1.00	125	15	1.16	25,000	0.10	0.03
Stone	1.00	125	15	1.16	50,000	0.19	0.07
RAP	1.00	125	15	1.16	34,000	0.13	0.05
Total						0.50	0.17

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

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

*PM10 = 35% of PM

Appendix A: Emission Calculations
Potential to Emit from Hot Oil Heaters When Burning No. 2 Fuel Oil

Company Name: Rieth-Riley Construction Company, Inc.

Address: (Portable)

FESOP SPR: 127-25248-05241

Reviewer: ERG/SE

Date: December 4, 2007

Heat Input Capacity (MMBtu/hr)	Potential Throughput (kgals/yr)		S = Weight % Sulfur					
3.00	188		0.5					
	Pollutant							
Emission Factor (lb/kgal)	PM*	PM10*	SO ₂ (142.0 S)	NOx	VOC	CO	Organic HAPs	Metal HAPs (lb/MMBtu)
	2.0	3.3	71.0	20.0	0.34	5.0	6.28E-02	4.90E-05
Potential to Emit (tons/yr)	0.19	0.31	6.66	1.88	0.03	0.47	5.89E-03	6.44E-04

1 gallon of No. 2 Fuel Oil has a heating value of 140,000 Btu

Emission Factors are from AP42, Chapter 1.3, Tables 1.3-1, 1.3-2, 1.3-3, and 1.3-9 (SCC 1-03-005-01/02/03) [9/98]

*PM emission factor is for filterable PM only. PM10 emission factor is for filterable and condensable PM combined.

Methodology

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 kgal/1,000 gal x 1 gal/0.140 MMBtu

Potential to Emit (tons/yr) = Potential Throughput (kgals/yr) x Emission Factor (lb/kgal) x 1 ton/2,000 lbs

Potential to Emit (Metal HAPs) (tons/yr) = Heat Input Capacity (MMBtu/hr) x Emission Factor (lb/MMBtu) x 8,760 hrs/yr x 1 ton/2,000 lbs

Appendix A: Emission Calculations
Potential to Emit from Hot Oil Heaters When Burning Natural Gas

Company Name: Rieth-Riley Construction Company, Inc.

Address: (Portable)

FESOP SPR: 127-25248-05241

Reviewer: ERG/SE

Date: December 4, 2007

Heat Input Capacity
(MMBtu/hr)

Potential Throughput
(MMscf/yr)

3.00

25.8

	Pollutant						
	PM*	PM10*	SO ₂	NOx**	VOC	CO	HAPs
Emission Factor (lb/MMscf)	1.9	7.6	0.6	100.0	5.5	84.0	1.89
Potential to Emit (tons/yr)	0.02	0.10	7.73E-03	1.29	0.07	1.08	0.02

* PM emission factor is for filterable PM only. PM10 emission factor is filterable and condensable PM combined.

**Emission factor for NOx (Uncontrolled) = 100 lb/MMscf.

Emission Factors are from AP-42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, and 1.4-4 (7/98).

Methodology

Potential Throughput (MMscf/yr) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMscf/1,020 MMBtu

Potential to Emit (tons/yr) = Potential Throughput (MMscf/yr) x Emission Factor (lb/MMscf) x 1 ton/2,000 lbs

Appendix A: Emission Calculations
Potential to Emit from Hot Oil Heaters When Burning Propane

Company Name: Rieth-Riley Construction Company, Inc.

Address: (Portable)

FESOP SPR: 127-25248-05241

Reviewer: ERG/SE

Date: December 4, 2007

Heat Input Capacity (MMBtu/hr)	Potential Throughput (kgals/yr)		S = Weight % Sulfur			
3.00	287		0.5			
	Pollutant					
Emission Factor (lb/kgal)	PM*	PM10*	SO ₂ (0.10 S)	NOx	VOC	CO
	0.4	0.4	0.05	14.0	0.5	1.9
Potential to Emit (tons/yr)	0.06	0.06	7.18E-03	2.01	0.07	0.27

There are no HAP emission factors available in AP-42 for external combustion of propane.

1 gallon of Propane has a heating value of 91,500 Btu

Emission Factors are from AP42, Chapter 1.5, Table 1.5-1 [10/96]

*PM emission factor is for filterable PM only. Assume PM = PM10.

Methodology

Potential Throughput (kgals/yr) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 kgal/1,000 gal x 1 gal/0.0915 MMBtu

Potential to Emit (tons/yr) = Potential Throughput (kgals/yr) x Emission Factor (lb/kgal) x 1 ton/2,000 lbs

Appendix A: Emission Calculations
Potential to Emit from No. 2 Fuel Oil-fired Generator (Large)

Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: December 4, 2007

Maximum Heat Input Capacity
(MMBtu/hr)

6.65

S = Weight % Sulfur

0.5

	Pollutant						
	PM	PM10	SO ₂	NOx	VOC	CO	Total HAPs
Emission Factor (lb/MMBtu)	0.06	0.07	0.51 <i>1.01 S</i>	3.20	0.09	0.85	1.49E-03
Potential to Emit (tons/yr)	1.81	2.03	14.7	93.2	2.62	24.8	0.04

Emission factors are from AP42, Chapter 3.4, Tables 3.4-1 through 3.4-4 [10/96].

Methodology

Potential to Emit (tons/yr) = Maximum Heat Input Capacity (MMBtu/hr) x Emission Factor (lb/MMBtu) x 8,760 hrs/yr x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
Potential to Emit from No. 2 Fuel Oil-fired Generator (Small)**

**Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: December 4, 2007**

Maximum Heat Input Capacity
(MMBtu/hr)

0.67

	Pollutant						
	PM*	PM10*	SO ₂	NOx	VOC	CO	Total HAPs
Emission Factor (lb/MMBtu)	0.31	0.31	0.29	4.41	0.36	0.95	3.38E-03
Potential to Emit (tons/yr)	0.90	0.90	0.84	12.8	1.05	2.77	0.01

Emission factors are from AP42, Chapter 3.3, Tables 3.3-1 and 3.3-2 [10/96].

*Assume PM equals PM10.

Methodology

Potential to Emit (tons/yr) = Maximum Heat Input Capacity (MMBtu/hr) x Emission Factor (lb/MMBtu) x 8,760 hrs/yr x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
VOC Emissions from Storage Tanks**

**Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: December 4, 2007**

Tanks

[m3] =	3.785412 x [10³ gal]	[kPa] =	6.894757 [PSI]
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ID	Capacity, 10 ³ gal	Capacity, m ³	Product Stored	Vapor Pressure		Potential to Emit VOC		
				PSI	kPa	(lbs/yr)*	(tons/yr)	
13A	35	132	Liquid Asphalt	1.9E-09	@300F	1.31E-08	36.3	1.82E-02
13B	20	75.7	Liquid Asphalt	1.9E-09	@300F	1.31E-08	20.7	1.04E-02
13C	15	56.8	Liquid Asphalt	1.9E-09	@300F	1.31E-08	15.6	7.80E-03
13D	30	114	Liquid Asphalt	1.9E-09	@300F	1.31E-08	31.2	1.56E-02
11A	10	37.9	Waste Oil	0.0012	@140F	0.0083	14.5	7.25E-03
11B	10	37.9	Waste Oil	0.0012	@140F	0.0083	14.5	7.25E-03
12A	0.35	1.32	Fuel Oil #2	0.0062	@59F	0.0427	0.42	2.10E-04
12B	1.2	4.54	Fuel Oil #2	0.0062	@59F	0.0427	1.80	9.00E-04
12C	1.2	4.54	Fuel Oil #2	0.0062	@59F	0.0427	1.80	9.00E-04
18	1	3.79	Liquid Asphalt	1.9E-09	@300F	1.31E-08	1.50	7.50E-04
Total							138	6.92E-02

* The Potential to Emit VOC in lbs/yr was calculated using TANKS 4.09 for each of the tanks using No. 2 fuel oil as the worst case fluid.

Appendix A: Emission Calculations
Potential to Emit from Asphalt Loadout and Yard Emissions
Company Name: Rieth-Riley Construction Company, Inc.
Address: (Portable)
FESOP SPR: 127-25248-05241
Reviewer: ERG/SE
Date: December 4, 2007

1. Loadout

According to AP-42, Chapter 11.1, Table 11.1-14 (3/04), the emission factors for PM, TOC, and CO from load-out can be estimated from the following equations:

$$^{(1)}\text{PM/PM10 Ef (lbs/ton)} = 0.000181 + 0.00141(-V)e^{((0.0251)(T + 460) - 20.43)}$$

$$^{(2)}\text{Organic PM Ef (lbs/ton)} = 0.00141(-V)e^{((0.0251)(T + 460) - 20.43)}$$

$$\text{TOC Ef (lbs/ton)} = 0.0172(-V)e^{((0.0251)(T + 460) - 20.43)}$$

$$\text{CO Ef (lbs/ton)} = 0.00558(-V)e^{((0.0251)(T + 460) - 20.43)}$$

Where:

V = asphalt volatility, default value is -0.5 when site specific data is not available

T = HMA mix temperature in °F, default temperature is 325°F when site specific data is not available

Pollutant	Emission Factor (lbs/ton) ⁽⁴⁾	Maximum Asphalt Throughput (tons/hr)	Potential to Emit (tons/yr)	Limited Asphalt Throughput (tons/yr)	Limited Potential to Emit (tons/yr)
PM/PM10 ⁽¹⁾	5.22E-04	300	0.69	1,000,000	0.26
VOC ⁽³⁾	3.91E-03	300	5.14	1,000,000	1.95
CO	1.35E-03	300	1.77	1,000,000	0.67
Total HAPs	8.66E-05	300	0.11	1,000,000	0.04

⁽¹⁾The emission factor equation for Total PM was used to calculate PM and PM10 emissions.

⁽²⁾The emission factor equations for Organic PM and TOC were used to calculate HAP emissions pursuant to Tables 11.1-15 and 11.1-16.

⁽³⁾The emission factor equation for TOC was multiplied by 94% (pursuant to Table 11.1-16) in order to calculate VOC emissions.

⁽⁴⁾The default values for V and T were used to calculate the emission factors.

2. Yard

According to AP-42, Chapter 11.1, page 11.1-9 (3/04), the yard emissions of TOC can be estimated using an emission factor of 0.0011 lb/ton of asphalt loaded, and carbon monoxide emissions can be estimated by multiplying the TOC emissions by 0.32. Pursuant to Table 11.1-16, The TOC emission factor was multiplied by 94% in order to calculate VOC emissions and by 1.5% to calculate total HAP emissions.

Pollutant	Emission Factor (lb/ton)	Maximum Asphalt Throughput (tons/hr)	Potential to Emit (tons/yr)	Limited Asphalt Throughput (tons/yr)	Limited Potential to Emit (tons/yr)
VOC	1.03E-03	300	1.36	1,000,000	0.52
CO	3.31E-04	300	0.43	1,000,000	0.17
Total HAPs	1.65E-05	300	0.02	1,000,000	8.25E-03

**Appendix A: Emission Calculations
Emission Summary**

Company Name: Rieth-Riley Construction Company, Inc.

Address: (Portable)

FESOP SPR: 127-25248-05241

Reviewer: ERG/SE

Date: December 4, 2007

Unlimited PTE (tons/yr)

	PM	PM10	SO ₂	NOx	VOC	CO	Total HAPs	HCl	Lead
Aggregate Dryer/Mixer	49,056	11,388	238	149	56.1	228	126	96.4	28.5
Unpaved Roads	219	55.9	--	--	--	--	--	--	--
Material Conveying/Handling	30.5	14.4	--	--	--	--	--	--	--
Storage Piles	0.50	0.17	--	--	--	--	--	--	--
Storage Tanks	--	--	--	--	6.92E-02	--	--	--	--
Hot Oil Heaters	0.19	0.31	6.66	2.01	0.07	1.08	0.02	--	Negligible
Generators	2.71	2.93	15.6	106	3.67	27.5	0.05	--	Negligible
Cold Mix*	--	--	--	--	>250	--	--	--	--
Loadout and Yard	0.69	0.69	--	--	6.50	2.21	0.14	--	--
Total	49,310	11,462	260	257	>250	259	126	96.4	28.5

Limited PTE (tons/yr)

	PM	PM10	SO ₂	NOx	VOC	CO	Total HAPs	HCl	Lead
Aggregate Dryer/Mixer	66.0	53.5	Less than 93.3	Less than 97.9	16.0	65.0	<24.0	<9.90	<5.00
Unpaved Roads	110	28.0	--	--	--	--	--	--	--
Material Conveying/Handling	30.5	14.4	--	--	--	--	--	--	--
Storage Piles	0.50	0.17	--	--	--	--	--	--	--
Storage Tanks	--	--	--	--	6.92E-02	--	--	--	--
Hot Oil Heaters	0.19	0.31	6.66	2.01	0.07	1.08	0.02	--	Negligible
Generators	2.71	2.93	**	**	3.67	27.5	0.05	--	Negligible
Cold Mix	--	--	--	--	<2.72	--	--	--	--
Loadout and Yard	0.26	0.26	--	--	2.47	0.84	0.05	--	--
Total	210	99.5	Less than 100	Less than 100	<25.0	94.4	<25.0	<10.0	<5.00

*The unlimited PTE of VOC from cold mix production is assumed to be greater than 250 tons per year.

**The limited fuel usage for the generators are included in the SO₂ and NOx limits for the aggregate dryer/mixer. The permit includes fuel equivalencies for the generators.