



*Mitchell E. Daniels, Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

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

TO: Interested Parties / Applicant  
DATE: March 5, 2007  
RE: Milestone Contractors / 109-23689-03229  
FROM: Nisha Sizemore  
Chief, Permits Branch  
Office of Air Quality

### **Notice of Decision: Approval - Effective Immediately**

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

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures  
FNPER.dot 03/23/06



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We make Indiana a cleaner, healthier place to live.*

---

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Indianapolis, Indiana 46204-2251  
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Mr. Robert J. Beyke  
Milestone Contractors, L.P.  
5950 S. Belmont Ave.  
Indianapolis, IN 46217

March 5, 2007

Re: **109-23689-03229**  
First Significant Revision to  
**FESOP 109-20545-03229**

Dear Mr. Beyke:

Milestone Contractors, L.P. was issued a Federally Enforceable State Operating Permit (FESOP) F 109-20545-03229 on September 7, 2005 for a stationary hot mix asphalt production source located at 9790 Old State Road 37 North, Martinsville, Indiana 46151. A letter requesting changes to this permit was received on September 25, 2006. 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 revision consists of the replacement of a batch mixer, equipped with a cyclone and scrubber, with a drum mixer, equipped with a baghouse, and the addition and removal of some other facilities.

The following construction conditions are applicable to the proposed project:

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

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire revised FESOP, with all revisions and amendments made to it, is being provided.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact CarrieAnn Paukowits, c/o OAQ, 100 North Senate Avenue, Indianapolis, Indiana, 46204-2251, at 631-691-3395 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Original signed by

Nisha Sizemore, Chief  
Permits Branch  
Office of Air Quality

CAP/MES  
Attachments

cc: File - Morgan County  
U.S. EPA, Region V  
Morgan County Health Department  
Air Compliance Section Inspector - Jim Thorpe  
Compliance Branch  
Administrative and Development Section  
Technical Support and Modeling - Michele Boner  
Vice President, Asphalt Plants



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

**Milestone Contractors, L.P.  
 9790 Old State Road 37 North  
 Martinsville, Indiana 46151**

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

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

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

Operation Permit No.: F 109-20545-03229	
Issued by: Paul Dubenetzky, Chief Permits Branch Office of Air Quality	Issuance Date: September 7, 2005  Expiration Date: September 7, 2010
Administrative Amendment 109-22743-03229, issued on March 20, 2006	
Significant Permit Revision.: SPR 109-23689-03229	
Original signed by:  Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: March 5, 2007  Expiration Date: September 7, 2010

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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 stationary hot mix asphalt production source.

Authorized individual:	Vice President, Asphalt Plants
Source Address:	9790 Old State Road 37 North, Martinsville, Indiana 46151
Mailing Address:	5950 S. Belmont Avenue, Indianapolis, Indiana 46217
General Source Phone:	317 788-6885
SIC Code:	2951
Source Location Status:	Morgan Nonattainment for 8-hour ozone and PM <sub>2.5</sub> Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD and Emission Offset Rules

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

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

- (a) One (1) drum mixer, identified as EU B-1, approved for construction in 2007, and one (1) No. 4 reused oil-fired dryer/burner, identified as EU B-2, installed in 1965 and replaced in kind in 1999 due to age, exhausted through a baghouse and Stack S-1, rated at 75.0 million British thermal units per hour, capacity: 250 tons of asphalt per hour.
- (b) One (1) No. 2 distillate oil-fired hot oil heater, installed in 1999, rated at 2.0 million British thermal units per hour.
- (c) Storage and conveying operations, including one (1) recycled asphalt pavement (RAP) bin and conveyor system with a capacity of 70 tons of RAP per hour, capacity: 250 tons of asphalt per hour, total.
- (d) Two (2) silos and slat conveyors, storage capacity: 265 tons, each.
- (e) Six (6) cold feed bins.
- (f) One (1) storage tank, identified as Tank 8, constructed in January 1984, capacity: 20,000 gallons of liquid asphalt.
- (g) One (1) used oil storage tank, constructed in January 1984, identified as Tank 6, capacity: 10,000 gallons.
- (h) One (1) fuel oil storage tank, constructed in January 1984, identified as Tank 7, capacity: 6,000 gallons.
- (i) One (1) fuel oil storage tank, constructed in January 1984, identified as Tank 9, capacity: 300 gallons.

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

- (a) The following VOC and HAP storage containers: vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.
- (b) Application of oils, greases lubricants or other nonvolatile materials applied as temporary protective coatings.
- (c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]
- (d) Paved roads and parking lots with public access.
- (e) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons, including two (2) diesel fuel tanks, identified as Tanks 10 and 11, approved for construction in 2007, capacity: 500 gallons, each.

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

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

## **SECTION B GENERAL CONDITIONS**

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

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

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

- (a) This permit, 109-20545-03229, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

### **B.3 Term of Conditions [326 IAC 2-1.1-9.5]**

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

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

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

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

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

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

### **B.6 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]**

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

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

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

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

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

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

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

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

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

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

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

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

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

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

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

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

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

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

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

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

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

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

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

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

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

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

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

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

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- (a) All terms and conditions of permits established prior to 109-20545-03229 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised, or
  - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

**B.14 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]**

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

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

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

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

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

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

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

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

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- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of

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

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

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

- (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  
Indianapolis, Indiana 46204-2251

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

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

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

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

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

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

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

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

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

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

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

and

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

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

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

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

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

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

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

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2] [IC 13-17-3-2] [IC 13-30-3-1]

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

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

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (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  
Indianapolis, Indiana 46204-2251
- The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

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

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

B.24 Credible Evidence [326 IAC 2-8-4(3)] [326 IAC 2-8-5] [62 FR 8314] [326 IAC 1-1-6]

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

## SECTION C

## SOURCE OPERATION CONDITIONS

Entire Source

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

#### C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [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 one hundred (100) pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

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

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

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period. This limitation shall also satisfy the requirements of 326 IAC 2-3 (Emission Offset);
- (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) Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), 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.

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

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

#### C.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 continu-

ous 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 November 15, 1999. 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  
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 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.

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

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

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

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

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
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 the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

### **Compliance Requirements [326 IAC 2-1.1-11]**

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

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

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

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

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Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented upon issuance of this permit. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.

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

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

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

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

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

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

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

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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  
Indianapolis, Indiana 46204-2251

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, 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;
  - (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 and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

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

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

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

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

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The

Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).

- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
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 the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

### **Stratospheric Ozone Protection**

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

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

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

## SECTION D.1

## FACILITY OPERATION CONDITIONS

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

- (a) One (1) drum mixer, identified as EU B-1, approved for construction in 2007, and one (1) No. 4 reused oil-fired dryer/burner, identified as EU B-2, installed in 1965 and replaced in kind in 1999 due to age, exhausted through a baghouse and Stack S-1, rated at 75.0 million British thermal units per hour, capacity: 250 tons of asphalt per hour.
- (b) One (1) No. 2 distillate oil-fired hot oil heater, installed in 1999, rated at 2.0 million British thermal units per hour.
- (c) Storage and conveying operations, including one (1) recycled asphalt pavement (RAP) bin and conveyor system with a capacity of 70 tons of RAP per hour, capacity: 250 tons of asphalt per hour, total.
- (d) Two (2) silos and slat conveyors, storage capacity: 265 tons, each.
- (e) Six (6) cold feed bins.
- (f) One (1) storage tank, identified as Tank 8, constructed in January 1984, capacity: 20,000 gallons of liquid asphalt.
- (g) One (1) used oil storage tank, constructed in January 1984, identified as Tank 6, capacity: 10,000 gallons.
- (h) One (1) fuel oil storage tank, constructed in January 1984, identified as Tank 7, capacity: 6,000 gallons.
- (i) One (1) fuel oil storage tank, constructed in January 1984, identified as Tank 9, capacity: 300 gallons.

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

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

#### D.1.1 Particulate Matter (PM and PM<sub>10</sub>) [326 IAC 2-8-4] [326 IAC 2-2] [326 IAC 2-3]

- (a) The PM emissions from the aggregate dryer and drum mixer shall be less than 0.293 pound per ton of asphalt processed and the amount of asphalt processed shall not exceed 1,414,178.73 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limit shall render the requirements of 326 IAC 2-2, PSD, not applicable.
- (b) The PM<sub>10</sub> emissions from the aggregate dryer and drum mixer shall be less than 0.127 pound per ton of asphalt processed and the amount of asphalt processed shall not exceed 1,414,178.73 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limit shall render the requirements of 326 IAC 2-8, Part 70, and 326 IAC 2-3, Emission Offset, not applicable.

D.1.2 Carbon Monoxide (CO) [326 IAC 2-8-4]

The CO emissions from the aggregate dryer and drum mixer shall be less than 0.13 pound per ton of asphalt processed and the amount of asphalt processed shall not exceed 1,414,178.73 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limit shall render the requirements of 326 IAC 2-8, Part 70, not applicable.

D.1.3 Sulfur Dioxide (SO<sub>2</sub>) [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4, the input of No. 4 reused fuel oil to the dryer/burner, identified as EU B-2, shall be less than 2,258,288 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month, and the sulfur content shall not exceed 0.75% by weight, based on a calendar month average. This limit shall render the requirements of 326 IAC 2-8, Part 70, not applicable.

D.1.4 Volatile Organic Compounds [326 IAC 8-5-2] [326 IAC 8-1-6]

- (a) Pursuant to 326 IAC 8-5-2, the Permittee shall cause or allow the use of cutback asphalt or asphalt emulsion containing more than seven percent (7%) oil distillate by volume of emulsion for any paving application except the following purposes:
- (1) penetrating prime coating
  - (2) stockpile storage
  - (3) application during the months of November, December, January, February and March.
  - (4) Any change or modification which adds the use of cold mix asphalt, requires prior IDEM, OAQ approval.
- (b) The VOC emissions from the aggregate dryer and drum mixer shall be less than 0.032 pound per ton of asphalt processed and the amount of asphalt processed shall not exceed 1,414,178.73 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This shall limit the potential VOC emissions to less than twenty-five (25) tons per year from the aggregate dryer and drum mixer and shall render the requirements of 326 IAC 8-1-6, New facilities; General reduction requirements, not applicable.

D.1.5 Sulfur Dioxide [326 IAC 7-1] [326 IAC 7-2-1]

- (a) Pursuant to 326 IAC 7-1.1-2, the SO<sub>2</sub> emissions from the dryer/burner, identified as EU B-2, shall not exceed one and six-tenths (1.6) pounds per million British thermal units heat input.
- (b) The sulfur content of the No. 4 reused fuel oil shall not exceed two and eighteen-hundredths percent (2.18%) by weight. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.
- (c) Pursuant to 326 IAC 7-2-1, compliance with the limit in paragraph (a) shall be demonstrated on a calendar month average. 326 IAC 7-1.1 and 326 IAC 7-2-1 are not federally enforceable.

D.1.6 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, identified as EU B-1, and aggregate dryer/burner, identified as EU B-2, and their control devices.

## Compliance Determination Requirements

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

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Within 180 days of startup of the one (1) drum mixer, identified as EU B-1, in order to demonstrate compliance with Conditions D.1.1 and D.1.2, the Permittee shall perform CO, VOC, PM, and PM<sub>10</sub> testing of the drum mixer and dryer/burner stack exhaust S-1 utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. PM<sub>10</sub> includes filterable and condensable PM<sub>10</sub>. Testing shall be conducted in accordance with Section C - Performance Testing.

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

---

Compliance with Conditions D.1.3 and D.1.5 shall be determined utilizing one (1) of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the content does not exceed seventy-five-hundredths percent (0.75%) and the sulfur dioxide emissions do not exceed one and six-tenths (1.6) 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 75 million British thermal units per hour dryer/burner, identified as EU B-2, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

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

### D.1.9 Particulate Control

---

- (a) In order to comply with Condition D.1.1, the baghouse for particulate control shall be in operation and control emissions from the drum mixer, identified as EU B-1, and dryer/burner, identified as EU B-2, at all times that the batch mixer processes are in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

### **D.1.10 Visible Emissions Notations**

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- (a) Visible emission notations of the drum mixer and dryer/burner stack exhaust, S-1, shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

### **D.1.11 Baghouse Parametric Monitoring**

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The Permittee shall record the pressure drop across the baghouse used in conjunction with the drum mixer, identified as EU B-1, and aggregate dryer/burner, identified as EU B-2, at least once per day when the asphalt production process is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 to 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that are outside the above mentioned ranges is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

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.1.12 Broken or Failed Bag Detection**

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- (a) For a single compartment baghouse 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 has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. 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, or dust traces.

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

### **D.1.13 Record Keeping Requirements**

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- (a) To document compliance with Conditions D.1.3 and D.1.5 the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the No. 4 reused fuel oil usage limit and the No. 4 reused fuel oil sulfur content limit established in Conditions D.1.3 and D.1.5.

- (1) Calendar dates covered in the compliance determination period;
- (2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;
- (3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period. The natural gas-fired boiler certification does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1); and

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

- (4) Fuel supplier certifications;
  - (5) The name of the fuel supplier; and
  - (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.
- (b) To document compliance with Condition D.1.10, the Permittee shall maintain once per day records of the visible emission notations of the drum mixer and dryer/burner stack exhaust, S-1, or a record of the reason why no visible emission notations were taken.
- (c) To document compliance with Condition D.1.11, the Permittee shall maintain once per day records of the pressure drop, or a record of the reason why no pressure drop readings were taken.
- (d) To document compliance with Conditions D.1.1 and D.1.2, the Permittee shall maintain records of the amount of asphalt processed on a monthly basis.
- (e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

### **D.1.14 Reporting Requirements**

---

- (a) A quarterly summary of the information to document compliance with Condition D.1.3 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) A quarterly summary of the information to document compliance with Conditions D.1.1 and D.1.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The

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

### **New Source Performance Standards (NSPS) Requirements [326 IAC 2-8-4(1)]**

#### **D.1.15 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 asphalt plant described in this section except when otherwise specified in 40 CFR 60 Subpart I.

#### **D.1.16 NSPS Subpart I Requirements [40 CFR Part 60, Subpart I] [326 IAC 12-1]**

Pursuant to CFR Part 60, Subpart I, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart I, which are incorporated by reference as 326 IAC 12-1 for the asphalt plant as specified as follows. Pursuant to 40 CFR 60.90(a), the affected facility to which the provisions of this subpart apply is each hot mix asphalt facility. For the purpose of this subpart, a hot mix asphalt facility is comprised only of any combination of the following: dryers; systems for screening, handling, storing, and weighing hot aggregate; systems for loading, transferring, and storing mineral filler, systems for mixing hot mix asphalt; and the loading, transfer, and storage systems associated with emission control systems.

##### **§ 60.91 Definitions**

As used in this subpart, all terms not defined herein shall have the meaning given them in the Act and in subpart A of this part.

(a) *Hot mix asphalt facility* means any facility, as described in §60.90, used to manufacture hot mix asphalt by heating and drying aggregate and mixing with asphalt cements.

##### **§ 60.92 Standard for particulate matter**

(a) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any affected facility any gases which:

- (1) Contain particulate matter in excess of 90 mg/dscm (0.04 gr/dscf).
- (2) Exhibit 20 percent opacity, or greater.

##### **§ 60.93 Test methods and procedures**

(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b).

(b) The owner or operator shall determine compliance with the particulate matter standards in §60.92 as follows:

- (1) Method 5 shall be used to determine the particulate matter concentration. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf).
- (2) Method 9 and the procedures in §60.11 shall be used to determine opacity.

## SECTION D.2

## FACILITY OPERATION CONDITIONS

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

- (c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]

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

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

#### D.2.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate emission limitations, work practices, and control technologies), the allowable particulate emission rate from the brazing equipment, cutting torches, soldering equipment, and welding equipment shall not exceed pound per hour emission rate established as E in the following equation:

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

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour; and  
P = process weight rate in tons per hour

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

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

Source Name: Milestone Contractors, L.P.  
Source Address: 9790 Old State Road 37 North, Martinsville, Indiana 46151  
Mailing Address: 5950 S. Belmont Avenue, Indianapolis, Indiana 46217  
FESOP No.: F 109-20545-03229

**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  
Indianapolis, Indiana 46204-2251  
Phone: 317-233-0178  
Fax: 317-233-6568**

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

Source Name: Milestone Contractors, L.P.  
Source Address: 9790 Old State Road 37 North, Martinsville, Indiana 46151  
Mailing Address: 5950 S. Belmont Avenue, Indianapolis, Indiana 46217  
FESOP No.: F 109-20545-03229

**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 317-233-0178, ask for Compliance Section); and
  - The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6568), and follow the other requirements of 326 IAC 2-7-16

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

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

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

**Page 2 of 2**

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

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

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

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

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

A certification is not required for this report.

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

**FESOP Quarterly Report**

Source Name: Milestone Contractors, L.P.  
Source Address: 9790 Old State Road 37 North, Martinsville, Indiana 46151  
Mailing Address: 5950 S. Belmont Avenue, Indianapolis, Indiana 46217  
FESOP No.: F 109-20545-03229  
Facility: Dryer/Burner (EU B-2)  
Parameter: No. 4 Reused Fuel Oil  
Limit: Less than 2,258,288 gallons per twelve (12) consecutive month period with compliance determined at the end of each month

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

Month	No. 4 Reused Fuel Oil Usage (gallons)	No. 4 Reused Fuel Oil Usage (gallons)	No. 4 Reused Fuel Oil Usage (gallons)
	This Month	Previous 11 Months	12 Month Total

- 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**

**FESOP Quarterly Report**

Source Name: Milestone Contractors, L.P.  
Source Address: 9790 Old State Road 37 North, Martinsville, Indiana 46151  
Mailing Address: 5950 S. Belmont Avenue, Indianapolis, Indiana 46217  
FESOP No.: F 109-20545-03229  
Facility: Drum Mixer (EU B-1)  
Parameter: Amount of Asphalt Processed  
Limit: 1,414,178.73 tons per twelve (12) consecutive month period, with compliance determined at the end of each month

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

Month	Asphalt Processed (tons)	Asphalt Processed (tons)	Asphalt Processed (tons)
	This Month	Previous 11 Months	12 Month Total

- 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**

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

Source Name: Milestone Contractors, L.P.  
Source Address: 9790 Old State Road 37 North, Martinsville, Indiana 46151  
Mailing Address: 5950 S. Belmont Avenue, Indianapolis, Indiana 46217  
FESOP No.: F 109-20545-03229

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

Page 1 of 2

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

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

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

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

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

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

A certification is not required for this report.

## Attachment A

### Fugitive Particulate Plan

---

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on November 15, 1999. The plan does not require the certification by the authorized individual as defined by 326 IAC 2-1.1-1(1). The plan consists of:

- (a) Applying water to stockpiles, feed and intermediate points and at loading and unloading points on an as-needed basis,
- (b) Minimizing the distance between transfer points and minimizing the fall distances and discharge rates in loading and unloading of aggregate,
- (c) Maintaining a minimum size and number of stock piles, and
- (d) Tarping of material during transportation.
- (e) The requirement from OP 99-07-90-03229 issued October 26, 1986, Condition 7, requiring that the plant road be paved is not applicable since all plant roads have been paved.

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

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

**Source Background and Description**

<b>Source Name:</b>	<b>Milestone Contractors, L.P.</b>
<b>Source Location:</b>	<b>9790 Old State Road 37 North, Martinsville, Indiana 46151</b>
<b>County:</b>	<b>Morgan</b>
<b>SIC Code:</b>	<b>2951</b>
<b>Operation Permit No.:</b>	<b>F 109-20545-03229</b>
<b>Operation Permit Issuance Date:</b>	<b>September 7, 2005</b>
<b>Significant Permit Revision No.:</b>	<b>SPR 109-23689-03229</b>
<b>Permit Reviewer:</b>	<b>CarrieAnn Paukowits</b>

The Office of Air Quality (OAQ) has reviewed a Significant Permit Revision application from Milestone Contractors, L.P. relating to the construction and operation of the following emission units and pollution control devices:

- (a) One (1) drum mixer, identified as EU B-1, approved for construction in 2007, equipped with a baghouse, exhausted through Stack S-1, capacity 250 tons of asphalt per hour. This unit will operate with the existing dryer/burner, which will not be replaced, but will exhaust to the baghouse rather than the cyclone and wet scrubber, which will be removed with the existing batch mixer. There are no physical or operational changes proposed for the existing dryer/burner. However, the fuel used at the dryer/burner was incorrectly listed in the previous permit as No. 4 distillate oil. The dryer/burner uses No. 4 reused oil. All emissions have been recalculated with the appropriate emission factors. These drum dryer and dryer/burner will be listed together in the permit, as follows:

One (1) drum mixer, identified as EU B-1, approved for construction in 2007, and one (1) No. 4 reused oil-fired dryer/burner, identified as EU B-2, installed in 1965 and replaced in kind in 1999 due to age, exhausted through a baghouse and Stack S-1, rated at 75.0 million British thermal units per hour, capacity: 250 tons of asphalt per hour.

- (b) One (1) recycled asphalt pavement (RAP) bin and conveyor system, capacity: 70 tons of RAP per hour.
- (c) One (1) silo and slat conveyor, storage capacity: 265 tons.
- (d) Two (2) cold feed bins.
- (e) Two (2) diesel fuel tanks, identified as Tanks 10 and 11, capacity: 500 gallons, each.

The applicant also plans to remove the following facilities:

- (a) One (1) batch mixer, identified as EU B-1, installed in 1965, equipped with a cyclone and a wet scrubber, connected in series, installed in 1965, exhausted through Stack S-1, capacity 250 tons of hot mix asphalt per hour.
- (b) 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: one (1) storage tank, known as V-3, installed 1998 in Coral 1, capacity: 500 gallons of gasoline and two (2) storage tanks, known as V-5 and V-6, installed

in 1970's in Coral 2, capacity: 7,000 gallons of diesel oil and 6,000 gallons of No. 4 refined fuel oil, respectively.

- (c) Degreasing operations, consisting of two (2) open top degreasers, installed in 1998, that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-3] [326 IAC 8-3-6]
- (d) 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: two (2) storage tanks, known as V-1 and V-2, installed 1998 in Coral 1, capacity: 2,000 gallons of diesel oil and 1,000 gallons of diesel oil, respectively.
- (e) Propane for liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour.

The one (1) No. 2 distillate oil-fired hot oil heater, installed in 1999, rated at 2.0 million British thermal units per hour, is listed in Section A.2 of the permit. Therefore, fuel oil fired insignificant activities have been removed from the list of insignificant activities in Section A.3.

The following facilities, which were not specifically listed in the permit, but were installed and in operation at the source, will be listed in the revised FESOP:

- (a) One (1) silo and slat conveyor, storage capacity: 265 tons.
- (b) One (1) used oil storage tank, constructed in January 1984, identified as Tank 6, capacity: 10,000 gallons.
- (c) One (1) fuel oil storage tank, constructed in January 1984, identified as Tank 7, capacity: 6,000 gallons.
- (d) One (1) fuel oil storage tank, constructed in January 1984, identified as Tank 9, capacity: 300 gallons.
- (e) Four (4) cold feed bins.

The emissions from these units were evaluated during the review for the initial FESOP and FESOP Renewal. Although they were not specifically listed in the permit, storage and handling are support facilities for the listed processes, and are considered permitted units.

## History

On September 25, 2006, Milestone Contractors, L.P. submitted an application to the OAQ requesting the changes noted above. Milestone Contractors, L.P. was issued a Federally Enforceable State Operating Permit (FESOP) Renewal on September 7, 2005. An Administrative Amendment (109-22743-03229) was issued on March 20, 2006.

## Enforcement Issue

There are no enforcement actions pending.

**Stack Summary**

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (EF)
S-1	Drum mixer and dryer	34.0	2.13	61,000	300

**Recommendation**

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

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on September 25, 2006. Additional information was received on October 25, November 27, December 7, and December 8, 2006, and January 3 and 4, 2007.

**Emission Calculations**

See pages 1 through 7 of Appendix A of this document for detailed emissions calculations.

**Potential To Emit of Revision**

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

This table reflects the PTE before controls for this revision, including all emissions from the aggregate dryer and mixer. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	30,814
PM <sub>10</sub>	7,250
SO <sub>2</sub>	181
VOC	52.2
CO	145
NO <sub>x</sub>	60.2

HAPs	Potential To Emit (tons/year)
Lead	0.004
Formaldehyde	3.39
Benzene, Ethyl benzene, Methyl chloroform, Naphthalene, Toluene, Xylenes, Arsenic, Cadmium, Chromium, Manganese, Mercury, and Nickel	5.02, total
TOTAL	9.41

**Justification for Revision**

The FESOP is being revised through a FESOP Significant Permit Revision. This revision is being performed pursuant to 326 IAC 2-8-11.1(f)(1)(E)(i), a modification that is not an administrative amendment and includes a modification with a potential to emit greater than or equal to twenty-five (25) tons per year SO<sub>2</sub>, VOC, NO<sub>x</sub> PM or PM<sub>10</sub> and greater than or equal to one hundred (100) tons per year of CO.

**County Attainment Status**

The source is located in Morgan County.

Pollutant	Status
PM <sub>2.5</sub>	nonattainment
PM <sub>10</sub>	attainment
SO <sub>2</sub>	attainment
NO <sub>2</sub>	attainment
8-Hour Ozone	basic nonattainment
CO	attainment
Lead	attainment

- (a) Volatile organic compounds (VOC) and nitrogen oxides (NO<sub>x</sub>) are nonattainment under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO<sub>x</sub> emissions are considered when evaluating the rule applicability relating to the ozone standard. Morgan County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements of 326 IAC 2-3, Emission Offset. See the State Rule Applicability - Entire Source section of this document.
- (b) U.S.EPA in Federal Register Notice 70 FR 943 dated January 5, 2005 has designated Morgan County as nonattainment for PM<sub>2.5</sub>. On March 7, 2005 the Indiana Attorney General's Office on behalf of IDEM filed a lawsuit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment 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 PM<sub>10</sub> emissions as a surrogate for PM<sub>2.5</sub> emissions pursuant to the Nonattainment New Source Review requirements. See the State Rule Applicability - Entire Source section of this document.

- (c) Morgan County has been classified as attainment or unclassifiable in Indiana for all remaining criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability - Entire Source section of this document.
- (d) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 redesignating Delaware, Greene, Jackson, Vanderburgh, Vigo and Warrick Counties to attainment for the eight-hour ozone standard, redesignating Lake County to attainment for the sulfur dioxide standard, and revoking the one-hour ozone standard in Indiana.
- (e) Fugitive Emissions

Although this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, there are applicable New Source Performance Standards that were in effect on August 7, 1980. Therefore, the fugitive emissions are counted toward determination of PSD and Emission Offset applicability.

**Source Status**

Existing Source PSD or Emission Offset Definition (emissions after controls, based upon 8,760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/year)
PM	< 250
PM <sub>10</sub>	< 100
SO <sub>2</sub>	72.2
VOC	52.2
CO	145
NO <sub>x</sub>	61.5

- (a) This existing source is not a major stationary source because no attainment regulated pollutant is emitted at a rate of two-hundred fifty (250) tons per year or more and no nonattainment regulated pollutant is emitted at a rate of one hundred (100) tons per year or more, and it is not in one (1) of the twenty-eight (28) listed source categories.
- (b) These emissions are based upon the limitations in the FESOP for this source and the calculated potential to emit of existing facilities in Appendix A (see page 7 of Appendix A) of this document.

**Potential to Emit of Revision After Issuance**

The table below summarizes the potential to emit, reflecting all limits, of the new emission units after controls. The control equipment is considered federally enforceable only after issuance of this FESOP revision.

	Potential to Emit (tons/year)						
Process/facility	PM	PM <sub>10</sub>	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
Proposed Revision	209	91.2	90.6	39.8	94.7	60.2	3.39 individual; 9.41 total
PSD or Offset Threshold Level	250	100	250	100	250	100	-

- (a) This revision to an existing minor stationary source is not major because the emission increase is less than the PSD and Emission Offset threshold levels. Therefore, pursuant to 326 IAC 2-2 and 326 IAC 2-3, the PSD and Emission Offset requirements do not apply.
- (b) This revision to the existing FESOP will not change the status of the stationary source because the emissions from the entire source will still be limited to less than the Part 70 major source thresholds (see below).

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

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this FESOP revision.

	Potential to Emit (tons/year)						
Process/facility	PM	PM <sub>10</sub>	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
Hot Oil Heater	0.124	0.204	4.39	0.021	0.309	1.24	0.00
Drum Dryer and Mixer	207	89.7	90.6	22.6	91.9	60.2	9.13
Screening and Conveying	36.6	3.91	0.00	0.00	0.00	0.00	0.00
Storage (including tanks)	0.067	0.023	0.00	0.067	0.00	0.00	0.067
Silo filling and unloading	1.21	1.21	0.00	17.1	2.77	0.00	0.242
Total	245	95.0	95.0	39.8	95.0	61.5	9.44
PSD or Offset Threshold Level	250	100	250	100	250	100	-
Part 70 Permit Level	100	100	100	100	100	100	100

- (a) This revision to the existing FESOP will not change the status of the stationary source because the emissions from the entire source will still be limited to less than the Part 70 major source thresholds.
- (b) This revision to the existing FESOP will not change the PSD or Emission Offset status of the

stationary source because the emissions from the entire source will still be limited to less than the PSD and Emission Offset Threshold Levels in 326 IAC 2-2 and 326 IAC 2-3.

- (c) The applicant requested that the emissions be limited to 95.0 tons of PM<sub>10</sub>, SO<sub>2</sub> and CO, rather than 99.9 tons per year to allow for additional insignificant activities without requiring a revision to the limits. For the same reason, PM emissions are limited to 245 tons per year.

### **Federal Rule Applicability**

- (a) The requirements of 40 CFR 60.110, Subpart K and 40 CFR 60.110a, Subpart Ka, are not included in the permit because each storage tank has a capacity less than the 40,000 gallon applicability level of both Subparts K and Ka.
- (b) The requirements of 40 CFR 60.110b, Subpart Kb are not included in the permit. Tanks 6, 7, 8 and 9 were constructed prior to the July 23, 1984 applicability date of this rule, and the two (2) proposed diesel fuel tanks, identified as Tanks 10 and 11, have capacities less than 75 cubic meters.
- (c) The one (1) drum mixer, one (1) recycled asphalt pavement (RAP) bin and conveyor system, one (1) silo and slat conveyor, and two (2) cold feed bins, are a modification to a hot mix asphalt plant after June 11, 1973. Therefore, this source contains affected facilities subject to 40 CFR 60, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities. The processes currently existing at this source subject to the rule include dryers; systems for screening, handling, storing, and weighing hot aggregate; systems for loading, transferring, and storing mineral filler, systems for mixing hot mix asphalt; and the loading, transfer, and storage systems associated with emission control systems. Non applicable portions of the NSPS will not be included in the permit. This source is subject to all portions of Subpart I, which are:
  - (1) 40 CFR 60.90
  - (2) 40 CFR 60.91
  - (3) 40 CFR 60.92
  - (4) 40 CFR 60.93The 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) Pursuant to 40 CFR 60.670(b), the one (1) recycled asphalt pavement (RAP) system is not subject to the New Source Performance Standard, 326 IAC 12, (40 CFR 60, Subpart OOO) because it follows in the plant process a facility that is subject to the provisions of Subpart I of 40 CFR Part 60, and it has no crusher.

### **State Rule Applicability - Entire Source**

The following rules are addressed as a result of the proposed modification:

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

- (a) This source is in an attainment county for PM and the unrestricted potential PM emissions are greater than 250 tons per year. The PM emissions from the aggregate dryer and drum mixer shall be less than 0.293 pound per ton of asphalt processed and the amount of asphalt

processed shall not exceed 1,414,178.73 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This is equivalent to PM emissions of 207 tons per year from the aggregate dryer and drum mixer, and 245 tons per year from the entire source (see the "Potential to Emit After Issuance" table in this document). Thus, the requirements of 326 IAC 2-2, PSD, are not applicable.

- (b) This source is in an attainment county for SO<sub>2</sub>, CO and NO<sub>x</sub> and the unrestricted potential emissions of SO<sub>2</sub>, CO and NO<sub>x</sub> are less than 250 tons per year. Therefore, the requirements of 326 IAC 2-2, PSD, are not applicable.

#### 326 IAC 2-1.1-5 (Air quality requirements)

This source is in a nonattainment county for PM<sub>2.5</sub> and the unrestricted potential PM<sub>10</sub> emissions are greater than 100 tons per year. The PM<sub>10</sub> emissions from the aggregate dryer and drum mixer shall be less than 0.127 pound per ton of asphalt processed and the amount of asphalt processed shall not exceed 1,414,178.73 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This is equivalent to PM<sub>10</sub> emissions of 89.7 tons per year from the aggregate dryer and drum mixer, and 95.0 tons per year from the entire source (see the "Potential to Emit After Issuance" table in this document). Thus, the requirements of 326 IAC 2-3, Emission Offset, are not applicable.

#### 326 IAC 2-3 (Emission Offset)

This source is in a nonattainment county for ozone. The unrestricted potential VOC and NO<sub>x</sub> emissions are less than on hundred (100) tons per year. Therefore, the requirements of 326 IAC 2-3, Emission Offset, are not applicable.

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

The unrestricted potential emissions of PM<sub>10</sub>, SO<sub>2</sub> and CO are greater than one hundred (100) tons per year, each. Pursuant to 326 IAC 2-8, the Permittee must comply with the following limits in order to make 326 IAC 2-7, Part 70, not applicable:

- (a) The PM<sub>10</sub> emissions from the aggregate dryer and drum mixer shall be less than 0.127 pound per ton of asphalt processed and the amount of asphalt processed shall not exceed 1,414,178.73 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This is equivalent to PM<sub>10</sub> emissions of 89.7 tons per year from the aggregate dryer and drum mixer, and 95.0 tons per year from the entire source (see the "Potential to Emit After Issuance" table in this document).
- (b) The CO emissions from the aggregate dryer and drum mixer shall be less than 0.13 pound per ton of asphalt processed and the amount of asphalt processed shall not exceed 1,414,178.73 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This is equivalent to CO emissions of 91.92 tons per year from the aggregate dryer and drum mixer, and 95.0 tons per year from the entire source (see the "Potential to Emit After Issuance" table in this document).
- (c) The amount of No. 4 reused fuel oil used in the one (1) dryer burner shall be less than 2,258,288 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month, and the sulfur content shall not exceed 0.75% by weight. This is equivalent to SO<sub>2</sub> emissions of 90.6 tons per year from the aggregate dryer and drum mixer, and 95.0 tons per year from the entire source (see the "Potential to Emit After Issuance" table in this document).

#### 326 IAC 2-4.1-1 (New source toxics control)

The unrestricted potential emissions of each individual HAP are still less than ten (10) tons per year, and the unrestricted potential emissions of any combination of HAPs are still less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 2-4.1-1 are still not applicable.

### **State Rule Applicability - Individual Facilities**

The following rules are addressed as a result of the proposed modification:

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

The potential to emit particulate from this plant is limited by 326 IAC 12, 40 CFR Part 60.90, Subpart I. Therefore, pursuant to 326 IAC 6-3-1(c)(5), the limitations of 326 IAC 6-3 are not applicable.

#### **326 IAC 7.1 (Sulfur Dioxide Rules)**

- (a) The potential to emit SO<sub>2</sub> from the one (1) No. 4 reused oil-fired dryer/burner, identified as EU B-2, is still twenty-five (25) tons per year or more. Therefore, the requirements of 326 IAC 7-1.1 are already applicable to the one (1) dryer/burner. However, the fuel used is reused oil, not distillate oil. Therefore, the applicable limit will be corrected in the permit. The sulfur dioxide emissions shall be limited to one and six-tenths (1.6) pounds per million British thermal units. Compliance with this limitation shall be accomplished by limiting the weight percent sulfur in the No. 4 reused fuel oil to no more than two and eighteen-hundredths percent (2.18%).
- (b) The potential to emit SO<sub>2</sub> from the one (1) hot oil heater is still less than ten (10) pounds per hour and twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 7.1 are still not applicable.

#### **326 IAC 8-1-6 (New facilities; General reduction requirements)**

- (a) The one (1) drum mixer, identified as EU B-1, and one (1) No. 4 reused fuel oil-fired dryer/burner, identified as EU B-2, have total potential VOC emissions greater than twenty-five (25) tons per year. The VOC emissions from the aggregate dryer and drum mixer shall be less than 0.032 pound per ton of asphalt processed and the amount of asphalt processed shall not exceed 1,414,178.73 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This is equivalent to VOC emissions of 22.6 tons per year from the aggregate dryer and drum mixer. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.
- (b) Prior to this modification, the Permittee operated a dryer and batch mixer constructed prior to January 1, 1980. Therefore, the requirements of 326 IAC 8-1-6 were not applicable.

#### **326 IAC 8-4-3 (Petroleum liquid storage facilities)**

The tanks at this source each have a capacity less than one hundred fifty thousand (150,000) liters (thirty-nine thousand (39,000) gallons). Therefore, the requirements of 326 IAC 8-4-3 are not applicable.

#### **326 IAC 8-5-2 (Miscellaneous operations: asphalt paving)**

Any paving application made after January 1, 1980, is subject to the requirements of 326 IAC 8-5-2. Pursuant to this rule, no person shall cause or allow the use of cutback asphalt or asphalt emulsion containing more than seven percent (7%) oil distillate by volume of emulsion for any paving application except the following purposes:

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

The owner or operator will not process emulsified or cutback asphalt at this source unless proper approval has been obtained from IDEM, OAQ. Therefore, this source can comply with this rule.

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

This source is not in Clark or Floyd County. Therefore, the requirements of 326 IAC 10-1 are still not applicable.

#### 326 IAC 12-1 (New Source Performance Standards)

The hot mix asphalt plant will be required to comply with the requirements of 40 CFR 60.90, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities, as described in the "Federal Rule Applicability" section of this TSD.

### **Compliance Requirements**

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

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

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

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

The aggregate drum mixer and dryer/burner, identified as EU B-1 and EU B-2, have applicable compliance monitoring conditions as specified below:

- (a) Visible emission notations of the drum mixer and dryer/burner stack exhaust, S-1, shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal. For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in

accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

- (b) The Permittee shall record the pressure drop across the baghouse used in conjunction with the drum mixer, identified as EU B-1, and aggregate dryer/burner, identified as EU B-2, at least once per day when the asphalt production process is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 to 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that are outside the above mentioned ranges is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit. 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.
- (c) For a single compartment baghouse 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).
- (d) 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 has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

These monitoring conditions are necessary because the baghouse must operate properly to ensure compliance with 326 IAC 2-8 (FESOP), 40 CFR 60, Subpart I, and the limitations that make 326 IAC 2-2, PSD, and 326 IAC 2-3, Emission Offset, not applicable.

### Testing Requirements

- (a) Pursuant to FESOP 109-20545-03229, issued on September 7, 2005, prior to August 18, 2009, which is five (5) years from the last valid compliance demonstration, in order to demonstrate compliance with 326 IAC 6-3-2 and the limits that make 326 IAC 2-2, PSD, and 326 IAC 2-7, Part 70, not applicable, the Permittee shall perform PM and PM<sub>10</sub> testing of the batch mixer stack exhaust S-1 utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. PM<sub>10</sub> includes filterable and condensible PM<sub>10</sub>. Testing shall be conducted in accordance with Section C - Performance Testing.

The batch mixer is being replaced with a drum mixer and the cyclone and wet scrubber is being replaced by a baghouse, as part of this modification. Therefore, VOC, PM, PM<sub>10</sub> and CO testing to demonstrate compliance with the new limits that render 326 IAC 2-2, PSD, 326 IAC 2-1.1-5 (Air quality requirements) (nonattainment for PM<sub>2.5</sub>), 326 IAC 8-1-6 (New facilities; General reduction requirements), and 326 IAC 2-7, Part 70, not applicable, must be performed within 180 days of startup utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. PM<sub>10</sub> includes filterable and condensible PM<sub>10</sub>. Testing shall be conducted in accordance with Section C - Performance Testing.

- (b) Pursuant to 40 CFR 60.93, compliance with the PM standards in 40 CFR 60.92 shall be

determined by using Method 5 to determine particulate concentration and Method 9 to determine opacity. When determining the particulate concentration, the sampling time and sampling volume for each run shall be at least sixty (60) minutes and 0.90 dry standard cubic meter (31.8 dry standard cubic feet).

### Proposed Changes

The permit language is changed to read as follows (deleted language appears as ~~strikeouts~~, new language appears in bold):

#### Change 1:

1. The IDEM, OAQ zip code has been revised in all places in the permit as follows:  
  
46204-~~2250~~ **2251**
2. The Compliance Section telephone and fax numbers in Section B and the Emergency/ Deviation Occurrence Report Form have been revised in the permit as follows:  
  
Telephone Number: 317-233-~~5674~~ **0178**  
Facsimile Number: 317-233-~~5967~~ **6568**

#### Change 2:

The following changes have been made to Section B of the permit:

1. 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 the Preventive Maintenance condition and has amended the Emergency Provisions condition.
2. For clarification purposes, the Operational Flexibility condition has been revised. Although not applicable to this permit, a procedure for backup fuel switches has been added to the condition.
3. Upon further review, IDEM has decided to include updates to further address and clarify the permit term and the term of the conditions. This includes the addition of the condition, Term of Conditions [326 IAC 2-1.1-9.5], and changes to the Permit Term, Termination of Right to Operate, and Permit Renewal Conditions. In addition, Prior Permits Superseded has been moved from Section A to Section B of the permit.
4. Upon further review, IDEM has decided to remove (d) concerning nonroad engines from Condition B.17, Permit Amendment or Revision. 40 CFR 89, Appendix A specifically indicates that states are not precluded from regulating the use and operation of nonroad engines, such as regulations on hours of usage, daily mass emission limits, or sulfur limits on fuel; nor are permits regulating such operations precluded, once the engine is no longer new.

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

~~(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either~~

~~(1) incorporated as originally stated,~~

~~(2) — revised, or~~

~~(3) — deleted~~

~~by this permit.~~

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

## **SECTION B — GENERAL CONDITIONS**

### **B.1 — Permit No Defense [~~IC 13~~]**

~~Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.~~

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

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

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

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

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

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

### **B.5 — Termination of Right to Operate [~~326 IAC 2-8-9~~] [~~326 IAC 2-8-3(h)~~]**

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

### **B.6 — Severability [~~326 IAC 2-8-4(4)~~]**

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

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

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

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

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

~~(b) — For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1 when furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in~~

~~accordance with 40 CFR 2, Subpart B.~~

~~B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]~~

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

~~B.10 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]~~

~~(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.~~

~~(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. 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. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:~~

~~Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204~~

~~(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.~~

~~(c) The annual compliance certification report shall include the following:~~

~~(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;~~

~~(2) The compliance status;~~

~~(3) Whether compliance was continuous or intermittent;~~

~~(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and~~

~~(5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, may require to determine the compliance status of the source.~~

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

~~B.12 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]~~

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

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

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

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

Facsimile No.: 317-233-5967

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

~~Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204~~

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

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

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

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

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

~~to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.~~

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

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

~~B.14 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]~~

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

~~Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204~~

~~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 the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

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

~~B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)]  
[326 IAC 2-8-7(a)] [326 IAC 2-8-8]~~

- ~~(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

- ~~(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:~~

~~(1) That this permit contains a material mistake.~~

~~(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.~~

~~(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]~~

- ~~(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]~~

- ~~(d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated~~

~~before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]~~

~~B.16 Permit Renewal [326 IAC 2-8-3(h)]~~

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

~~Request for renewal shall be submitted to:~~

~~Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, IN 46204~~

- ~~(b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]~~

~~(1) A timely renewal application is one that is:~~

~~(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and~~

~~(B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.~~

~~(2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.~~

- ~~(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]~~

~~If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as needed to process the application.~~

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

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

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

~~Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204~~

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  
Indianapolis, Indiana 46204~~

~~and~~

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

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

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

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

- ~~(b) Emission Trades [326 IAC 2-8-15(c)]  
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).~~
- ~~(c) Alternative Operating Scenarios [326 IAC 2-8-15(d)]  
The Permittee may make changes at the source within the range of alternative operating~~

scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.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, 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] [IC 13-17-3-2]

- (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  
Indianapolis, Indiana 46204

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

- (c) The Permittee may implement administrative amendment changes addressed in the request

~~for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]~~

~~**B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16] [326 IAC 2-1.1-7]**~~

~~(a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.~~

~~(b) Failure to pay may result in administrative enforcement action, or revocation of this permit.~~

~~(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.~~

~~**B.23 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 B GENERAL CONDITIONS**

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

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

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

(a) This permit, 109-20545-03229, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

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

**B.3 Term of Conditions [326 IAC 2-1.1-9.5]**

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

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

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

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

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

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

**B.6 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]**

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

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

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

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

---

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

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

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

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:

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

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

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

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

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

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

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

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

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

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

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

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

**Facsimile Number: 317-233-6865**

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

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

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

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

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

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

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

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

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

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

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- (a) All terms and conditions of permits established prior to 109-20545-03229 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised, or
  - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

**B.14 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]**

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

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

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

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

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

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

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

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

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- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

- (1) That this permit contains a material mistake.
- (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]

- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]

- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

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

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- (a) The application for renewal shall be submitted using the application form or forms

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

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

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

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

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

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

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- (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  
Indianapolis, Indiana 46204-2251

and

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

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

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

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

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

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

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

**B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2] [IC 13-17-3-2] [IC13-30-3-1]**

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

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

**B.22 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  
Indianapolis, Indiana 46204-2251

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

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

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

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

- (b) **Failure to pay may result in administrative enforcement action or revocation of this permit.**
- (c) **The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.**

**B.24 Credible Evidence [326 IAC 2-8-4(3)] [326 IAC 2-8-5] [62 FR 8314] [326 IAC 1-1-6]**

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

**Change 2:**

The following changes have been made to Section C of the permit:

1. The 326 IAC 6-3 revisions that became effective on June 12, 2002, were approved into the State Implementation Plan on September 23, 2005. Condition C.1 - Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour, has been revised accordingly.
2. In order to avoid duplication of requirements which may be included in D sections, Condition C.8 – Operation of Equipment has been removed from the permit and the remainder of Section C has been renumbered accordingly.
3. Because Condition C.10 (now C.9) is in a Federally Enforceable State Operating Permit (FESOP), the requirement to use an Indiana Accredited Asbestos Inspector is federally enforceable. Therefore, Condition C.10 (now C.9) (g) has been revised.
4. IDEM realizes that the specifications of Condition C.15 (now C.14) - 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.15 (now C.14) has been revised.
5. IDEM has reconsidered the requirement to develop and follow a Compliance Response Plan (Condition C.18). 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. Therefore, the condition for “Compliance Response Plan” has been replaced by the condition for “Response to Excursions or Exceedances”. The Section D conditions that refer to this condition have been revised to reflect the new condition title.

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

- ~~(a) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a~~

~~maximum process weight rate less than one hundred (100) pounds per hour shall not exceed 0.551 pounds per hour.~~

- (b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than one hundred (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.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 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  
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 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.~~

~~C.1514 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)]  
[326 IAC 2-8-5(1)]~~

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- ~~(a) 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 ( $\pm 2\%$ ) of full scale reading.~~
- ~~(b) Whenever a condition in this permit requires the measurement of a flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ( $\pm 2\%$ ) of full scale reading.~~
- ~~(c) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.~~
- (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.**

~~C.18 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4]  
[326 IAC 2-8-5]~~

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- ~~(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:~~
  - ~~(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an~~

~~expected time frame for taking reasonable response steps.~~

- ~~(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.~~
- ~~(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
  - ~~(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or~~
  - ~~(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.~~
  - ~~(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.~~
  - ~~(4) Failure to take reasonable response steps shall be considered a deviation from the permit.~~~~
- ~~(c) The Permittee is not required to take any further response steps for any of the following reasons:
  - ~~(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.~~
  - ~~(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.~~
  - ~~(3) An automatic measurement was taken when the process was not operating.~~
  - ~~(4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.~~~~
- ~~(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.~~
- ~~(e) The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.~~
- ~~(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as~~

~~required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.~~

**C.17 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;
  - (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.

**Change 3:**

Sections A.2 and A.3 have been revised to include the proposed equipment and to remove the equipment that has been removed or is being removed from the site:

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

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

- ~~(a) One (1) batch mixer, identified as EU B-1, installed in 1965, equipped with a cyclone and a~~

~~wet scrubber, connected in series, installed in 1965, exhausted through Stack S-1, capacity 250 tons of hot mix asphalt per hour.~~

- ~~(b)~~(a) **One (1) drum mixer, identified as EU B-1, approved for construction in 2007, and One one (1) No. 4 distillate reused oil-fired dryer/burner, identified as EU B-2, installed in 1965 and replaced in kind in 1999 due to age, exhausted through a baghouse and Stack S-1, rated at 75.0 million British thermal units per hour, capacity: 250 tons of asphalt per hour.**
- ~~(e)~~(b) One (1) No. 2 distillate oil-fired hot oil heater, installed in 1999, rated at 2.0 million British thermal units per hour.
- (c) **Storage and conveying operations, including one (1) recycled asphalt pavement (RAP) bin and conveyor system with a capacity of 70 tons of RAP per hour, capacity: 250 tons of asphalt per hour, total.**
- (d) **Two (2) silos and slat conveyors, storage capacity: 265 tons, each.**
- (e) **Six (6) cold feed bins.**
- ~~(d)~~(f) One (1) storage tank, identified as ~~V-4~~ **Tank 8, installed in the 1970's in Coral 2 constructed in January 1984, capacity: 20,000 gallons of liquid asphalt.**
- (g) **One (1) used oil storage tank, constructed in January 1984, identified as Tank 6, capacity: 10,000 gallons.**
- (h) **One (1) fuel oil storage tank, constructed in January 1984, identified as Tank 7, capacity: 6,000 gallons.**
- (i) **One (1) fuel oil storage tank, constructed in January 1984, identified as Tank 9, capacity: 300 gallons.**

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

- ~~(a)~~ Propane for liquefied petroleum gas, or butane fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour.
- ~~(b)~~ Fuel oil-fired combustion sources with heat input equal to or less than two million (2,000,000) British thermal units per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight.
- ~~(c)~~ 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: one (1) storage tank, known as V-3, installed 1998 in Coral 1, capacity: 500 gallons of gasoline and two (2) storage tanks, known as V-5 and V-6, installed in 1970's in Coral 2, capacity: 7,000 gallons of diesel oil and 6,000 gallons of No. 4 refined fuel oil, respectively.
- ~~(d)~~ 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: two (2) storage tanks, known as V-1 and V-2, installed 1998 in Coral 1, capacity: 2,000 gallons of diesel oil and 1,000 gallons of diesel oil, respectively.
- ~~(e)~~(a) The following VOC and HAP storage containers: vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.
- ~~(f)~~(b) Application of oils, greases lubricants or other nonvolatile materials applied as temporary

protective coatings.

- ~~(g)~~ ~~Degreasing operations, consisting of two (2) open top degreasers, installed in 1998, that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-3] [326 IAC 8-3-6]~~
- ~~(h)~~**(c)** The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]
- ~~(i)~~**(d)** Paved roads and parking lots with public access.
- (e)** **Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons, including two (2) diesel fuel tanks, identified as Tanks 10 and 11, approved for construction in 2007, capacity: 500 gallons, each.**

#### Change 4:

Due to this proposed modification, Section D.1 of the permit has been revised as follows:

#### SECTION D.1 FACILITY OPERATION CONDITIONS

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

- ~~(a)~~ ~~One (1) batch mixer, identified as EU B-1, installed in 1965, equipped with a cyclone and a wet scrubber, connected in series, installed in 1965, exhausted through Stack S-1, capacity 250 tons of hot mix asphalt per hour.~~
- ~~(b)~~**(a)** **One (1) drum mixer, identified as EU B-1, approved for construction in 2007, and One one (1) No. 4 distillate reused oil-fired dryer/burner, identified as EU B-2, installed in 1965 and replaced in kind in 1999 due to age, exhausted through a baghouse and Stack S-1, rated at 75.0 million British thermal units per hour, capacity: 250 tons of asphalt per hour.**
- ~~(c)~~**(b)** One (1) No. 2 distillate oil-fired hot oil heater, installed in 1999, rated at 2.0 million British thermal units per hour.
- (c)** **Storage and conveying operations, including one (1) recycled asphalt pavement (RAP) bin and conveyor system with a capacity of 70 tons of RAP per hour, capacity: 250 tons of asphalt per hour, total.**
- (d)** **Two (2) silos and slat conveyors, storage capacity: 265 tons, each.**
- (e)** **Six (6) cold feed bins.**
- ~~(d)~~**(f)** One (1) storage tank, identified as ~~V-4~~ **Tank 8**, installed in the 1970's in ~~Coral 2~~ **constructed in January 1984**, capacity: 20,000 gallons of liquid asphalt.
- (g)** **One (1) used oil storage tank, constructed in January 1984, identified as Tank 6, capacity: 10,000 gallons.**
- (h)** **One (1) fuel oil storage tank, constructed in January 1984, identified as Tank 7, capacity: 6,000 gallons.**
- (i)** **One (1) fuel oil storage tank, constructed in January 1984, identified as Tank 9, capacity: 300**

**gallons.**

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

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

~~Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the batch mixer, identified as EU B-1, shall not exceed 61.0 pounds per hour, when operating at a process weight rate of 250 tons per hour.~~

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

$$E = 55.0 P^{0.44} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

**D.1.21 Particulate Matter (PM and PM<sub>10</sub>) [326 IAC 2-8-4] [326 IAC 2-2] [326 IAC 2-3]**

(a) ~~PM emissions from the batch mixer, identified as EU B-1, exhausted through Stack S-1 shall be limited to 48.6 pounds per hour. The PM emissions from the aggregate dryer and drum mixer shall be less than 0.293 pound per ton of asphalt processed and the amount of asphalt processed shall not exceed 1,414,178.73 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limit shall render the requirements of 326 IAC 2-2, PSD, not applicable.~~

(b) ~~Pursuant to 326 IAC 2-8-4, emissions of particulate matter 10 microns or less in diameter (PM<sub>10</sub>) from the batch mixer, identified as EU B-1, exhausted through Stack S-1 shall be limited to 21.7 pounds per hour, including both filterable and condensable fractions. The PM<sub>10</sub> emissions from the aggregate dryer and drum mixer shall be less than 0.127 pound per ton of asphalt processed and the amount of asphalt processed shall not exceed 1,414,178.73 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limit shall render the requirements of 326 IAC 2-8, Part 70, and 326 IAC 2-3, Emission Offset, not applicable.~~

~~Therefore, the Part 70 rules (326 IAC 2-7), the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-3 do not apply.~~

**D.1.2 Carbon Monoxide (CO) [326 IAC 2-8-4]**

~~The CO emissions from the aggregate dryer and drum mixer shall be less than 0.13 pound per ton of asphalt processed and the amount of asphalt processed shall not exceed 1,414,178.73 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limit shall render the requirements of 326 IAC 2-8, Part 70, not applicable.~~

**D.1.3 Sulfur Dioxide (SO<sub>2</sub>) [326 IAC 2-8-4]**

~~Pursuant to 326 IAC 2-8-4, the input of No. 4 reused fuel oil to the dryer/burner, identified as EU B-2, shall be less than 2,258,288 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month, and the sulfur content shall not exceed 0.75% by weight, based on a calendar month average. limited to 2,536,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. Therefore, the Part 70 rules (326 IAC 2-7), do not apply. This limit shall render the requirements of 326 IAC 2-8, Part 70, not applicable.~~

**D.1.4 Volatile Organic Compounds [326 IAC 8-5-2] [326 IAC 8-1-6]**

(a) ~~Pursuant to 326 IAC 8-5-2, the Permittee shall cause or allow the use of cutback asphalt or asphalt emulsion containing more than seven percent (7%) oil distillate by volume of~~

emulsion for any paving application except the following purposes:

- ~~(a)~~(1) penetrating prime coating
  - ~~(b)~~(2) stockpile storage
  - ~~(c)~~(3) application during the months of November, December, January, February and March.
  - ~~(d)~~(4) Any change or modification which adds the use of cold mix asphalt, requires prior IDEM, OAQ approval.
- (b) **The VOC emissions from the aggregate dryer and drum mixer shall be less than 0.032 pound per ton of asphalt processed and the amount of asphalt processed shall not exceed 1,414,178.73 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This shall limit the potential VOC emissions to less than twenty-five (25) tons per year from the aggregate dryer and drum mixer and shall render the requirements of 326 IAC 8-1-6, New facilities; General reduction requirements, not applicable.**

D.1.5 Sulfur Dioxide [326 IAC 7-1] [326 IAC 7-2-1] [~~326 IAC 2-8-4~~]

- (a) Pursuant to 326 IAC 7-1.1-2, the SO<sub>2</sub> emissions from the dryer/burner, identified as EU B-2, shall not exceed ~~five tenths (0.5)~~ **one and six-tenths (1.6)** pounds per million British thermal units heat input.
- (b) The sulfur content of the No. 4 ~~distillate~~ **reused fuel** oil shall not exceed ~~five tenths percent (0.5%)~~ **two and eighteen-hundredths percent (2.18%)** by weight. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average. ~~Compliance with this limit shall satisfy the requirements of 326 IAC 2-8-4.~~
- (c) Pursuant to 326 IAC 7-2-1, compliance with the ~~limits~~ **limit** in ~~paragraphs~~ **paragraph (a) and (b)** shall be demonstrated on a calendar month average. 326 IAC 7-1.1 and 326 IAC 7-2-1 are not federally enforceable.

D.1.6 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 batch drum mixer, identified as EU B-1, and aggregate dryer/burner, identified as EU B-2, and its~~ **the batch drum mixer, identified as EU B-1, and aggregate dryer/burner, identified as EU B-2, and their** control devices.

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

~~Prior to August 18, 2009, which is five (5) years from the last valid compliance demonstration~~ **Within 180 days of startup of the one (1) drum mixer, identified as EU B-1, in order to demonstrate compliance with Conditions D.1.1 and D.1.2, the Permittee shall perform CO, VOC, PM, and PM<sub>10</sub> testing of the batch drum mixer and dryer/burner stack exhaust S-1 utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. PM<sub>10</sub> includes filterable and condensable PM<sub>10</sub>. Testing shall be conducted in accordance with Section C - Performance Testing.**

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

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Compliance with Conditions **D.1.3** and D.1.5 shall be determined utilizing one (1) of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the **content does not exceed seventy-five-hundredths percent (0.75%) and the** sulfur dioxide emissions do not exceed ~~five-tenths (0.5)~~ **and one and six-tenths (1.6)** 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 75 million British thermal units per hour dryer/burner, identified as EU B-2, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

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

#### D.1.9 Particulate Control

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- (a) In order to comply with ~~Conditions D.1.1 and D.1.2~~, the ~~cyclone and scrubber~~ **baghouse** for particulate control shall be in operation and control emissions from the ~~batch drum mixer, identified as EU B-1, and dryer/burner, identified as EU B-2~~, at all times that the batch mixer processes are in operation.
- (b) **In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.**

#### D.1.10 Visible Emissions Notations

---

- (a) Visible emission notations of the ~~batch drum mixer and dryer/burner~~ stack exhaust, S-1, shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and

has been trained in the appearance and characteristics of normal visible emissions for that specific process.

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

#### D.1.11 Baghouse Parametric Monitoring

The Permittee shall record the ~~flow rate and total static~~ pressure drop across the ~~scrubber~~ **baghouse** used in conjunction with the ~~batch~~ **drum** mixer, identified as EU B-1, **and aggregate dryer/burner, identified as EU B-2**, at least once per day when the asphalt production process is in operation. When for any one reading, the pressure drop across the ~~scrubber~~ **baghouse** is outside the normal range of ~~2.0 and 6.0~~ **1.0 to 8.0** inches of water or ~~the flow rate is outside a range of 350 to 450 gallons per minute or ranges~~ **a range** established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records and Reports~~ **Response to Excursions or Exceedances**. A flow rate or a pressure reading that are outside the above mentioned ranges is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records and Reports~~ **Response to Excursions or Exceedances** shall be considered a deviation from this permit.

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

#### D.1.12 Broken or Failed Bag Detection

- (a) **For a single compartment baghouse 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 has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. 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, or dust traces.**

#### D.1.12 Scrubber Inspections

~~An external inspection shall be performed quarterly of the scrubber for the batch mixer. Inspections required shall not be performed in consecutive months. Defective scrubber parts shall be replaced. A record shall be kept of the results of the inspection.~~

#### ~~D.1.13 Scrubber Failure Detection~~

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~~In the event that the scrubber failure for the batch mixer has been observed, the affected scrubber will be shut down immediately until the failed unit has been repaired or replaced.~~

~~Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.~~

#### ~~D.1.14 Cyclone Inspections~~

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~~An external inspection shall be performed each calendar quarter of the cyclone controlling the batch mixer. Inspections required by this condition shall not be performed in consecutive months.~~

#### ~~D.1.15 Cyclone Failure Detection~~

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~~In the event that cyclone failure has been observed:~~

~~Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.~~

#### ~~D.1.16~~ Record Keeping Requirements

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(a) To document compliance with Conditions D.1.3 and D.1.5 the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the No. 4 **reused** fuel oil usage limit and the No. 4 **reused** fuel oil sulfur content limit established in Conditions D.1.3 and D.1.5.

- (1) Calendar dates covered in the compliance determination period;
- (2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;
- (3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period. The natural gas-fired boiler certification does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1); and

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

- (4) Fuel supplier certifications;
- (5) The name of the fuel supplier; and

- (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.
- (b) To document compliance with Condition D.1.10, the Permittee shall maintain once per day records of the visible emission notations of the ~~batch~~ **drum mixer and dryer/burner** stack exhaust, S-1, **or a record of the reason why no visible emission notations were taken.**
- (c) To document compliance with Condition D.1.11, the Permittee shall maintain once per day records of the ~~total static pressure drop and the liquid flow rate of the scrubber associated with the batch mixer drop during normal operation,~~ **or a record of the reason why no pressure drop readings were taken.**
- (d) **To document compliance with Conditions D.1.1 and D.1.2, the Permittee shall maintain records of the amount of asphalt processed on a monthly basis.**
- ~~(d) To document compliance with Conditions D.1.12 and D.1.14, the Permittee shall maintain records of the results of the inspections required under Conditions D.1.12 and D.1.14.~~
- ~~(e) To document compliance with Condition D.1.6, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~
- ~~(f)~~**(e)** All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### D.1.14 Reporting Requirements

- (a) A quarterly summary of the information to document compliance with Condition D.1.3 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) **A quarterly summary of the information to document compliance with Conditions D.1.1 and D.1.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).**

#### **New Source Performance Standards (NSPS) Requirements [326 IAC 2-8-4(1)]**

##### D.1.15 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 asphalt plant described in this section except when otherwise specified in 40 CFR 60 Subpart I.

##### D.1.16 NSPS Subpart I Requirements [40 CFR Part 60, Subpart I] [326 IAC 12-1]

Pursuant to CFR Part 60, Subpart I, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart I, which are incorporated by reference as 326 IAC 12-1 for the asphalt plant as specified as follows. Pursuant to 40 CFR 60.90(a), the affected facility to which the provisions of this subpart apply is each hot mix asphalt facility. For the purpose of this subpart, a hot mix asphalt facility is comprised only of any combination of the following: dryers; systems for screening, handling, storing, and weighing hot aggregate; systems for loading, transferring, and storing mineral filler, systems for mixing hot mix asphalt; and the loading, transfer, and storage systems associated with emission control systems.

**§ 60.91 Definitions**

**As used in this subpart, all terms not defined herein shall have the meaning given them in the Act and in subpart A of this part.**

**(a) *Hot mix asphalt facility* means any facility, as described in §60.90, used to manufacture hot mix asphalt by heating and drying aggregate and mixing with asphalt cements.**

**§ 60.92 Standard for particulate matter**

**(a) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any affected facility any gases which:**

- (1) Contain particulate matter in excess of 90 mg/dscm (0.04 gr/dscf).**
- (2) Exhibit 20 percent opacity, or greater.**

**§ 60.93 Test methods and procedures**

**(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b).**

**(b) The owner or operator shall determine compliance with the particulate matter standards in §60.92 as follows:**

- (1) Method 5 shall be used to determine the particulate matter concentration. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf).**
- (2) Method 9 and the procedures in §60.11 shall be used to determine opacity.**

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

**FESOP Quarterly Report**

Source Name: Milestone Contractors, L.P.  
 Source Address: 9790 Old State Road 37 North, Martinsville, Indiana 46151  
 Mailing Address: 5950 S. Belmont Avenue, Indianapolis, Indiana 46217  
 FESOP No.: F 109-20545-03229  
 Facility: Dryer/Burner (EU B-2)  
 Parameter: No. 4 ~~Distillate~~ **Reused** Fuel Oil  
 Limit: **Less than 2,258,288** ~~2,536,000~~ gallons per twelve (12) consecutive month period with compliance determined at the end of each month

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

Month	No. 4 <del>Distillate</del> <b>Reused</b> Fuel Oil Usage (gallons)	No. 4 <del>Distillate</del> <b>Reused</b> Fuel Oil Usage (gallons)	No. 4 <del>Distillate</del> <b>Reused</b> Fuel Oil Usage (gallons)
	This Month	Previous 11 Months	12 Month Total

- 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**

**FESOP Quarterly Report**

**Source Name:** Milestone Contractors, L.P.  
**Source Address:** 9790 Old State Road 37 North, Martinsville, Indiana 46151  
**Mailing Address:** 5950 S. Belmont Avenue, Indianapolis, Indiana 46217  
**FESOP No.:** F 109-20545-03229  
**Facility:** Drum Mixer (EU B-1)  
**Parameter:** Amount of Asphalt Processed  
**Limit:** 1,414,178.73 tons per twelve (12) consecutive month period, with compliance determined at the end of each month

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

Month	Asphalt Processed (tons)	Asphalt Processed (tons)	Asphalt Processed (tons)
	This Month	Previous 11 Months	12 Month Total

- 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.**

### Change 5:

The degreasing operations have been removed from this source. Therefore, Section D.2 has been revised as follows:

## SECTION D.2 FACILITY OPERATION CONDITIONS

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

- ~~(g)~~ Degreasing operations, consisting of two (2) open top degreasers, installed in 1998, that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. ~~[326 IAC 8-3-3] [326 IAC 8-3-6]~~
- ~~(h)~~(c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]

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

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

#### ~~D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-3]~~

~~Pursuant to 326 IAC 8-3-3 (Open Top Vapor Degreasing Operations) for open top vapor degreasing operations constructed after January 1, 1980, the Permittee shall:~~

- ~~(a)~~ equip the open top vapor degreaser with a cover that can be opened and closed easily without disturbing the vapor zone;
- ~~(b)~~ keep the cover closed at all times except when processing workloads through the degreaser;
- ~~(c)~~ minimize solvent carry-out by:
- ~~(1)~~ Racking parts to allow complete drainage;
  - ~~(2)~~ Moving parts in and out of the degreaser at less than eleven (11) feet per minute;
  - ~~(3)~~ Degreasing the workload in the vapor zone at least thirty (30) seconds or until condensation ceases;
  - ~~(4)~~ Tipping out any pools of solvent on the cleaned parts before removal;
  - ~~(5)~~ Allowing parts to dry within the degreaser for at least fifteen (15) seconds or until visually dry;
- ~~(d)~~ not degrease porous or absorbent materials, such as cloth, leather, wood or rope;
- ~~(e)~~ not occupy more than half of the degreaser's open top area with the workload;
- ~~(f)~~ not load the degreaser such that the vapor level drops more than fifty percent (50%) of the vapor depth when the workload is removed;
- ~~(g)~~ never spray above the vapor level;
- ~~(h)~~ repair solvent leaks immediately, or shut down the degreaser;

- ~~(i) — store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, such that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere;~~
- ~~(j) — not use workplace fans near the degreaser opening;~~
- ~~(k) — not allow visually detectable water in the solvent exiting the water separator; and~~
- ~~(l) — provide a permanent, conspicuous label summarizing the operating requirements.~~

~~D.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-6]~~

~~Pursuant to 326 IAC 8-3-6 (Open Top Vapor Degreaser Operation and Control Requirements), for open top vapor degreasing operations with an air to solvent interface of ten and eight tenths (10.8) square feet or greater and constructed after July 1, 1990,~~

- ~~(a) — The Permittee shall ensure that the following control equipment requirements are met:
  - ~~(1) — Equip the degreaser with a cover that can be opened and closed easily without disturbing the vapor zone;~~
  - ~~(2) — Equip the degreaser with the following switches:
    - ~~(A) — A condenser flow switch and thermostat which shuts off sump heat if condenser coolant stops circulating or becomes too warm.~~
    - ~~(B) — A spray safety switch shuts off spray pump if the vapor level drops more than four (4) inches.~~~~
  - ~~(3) — Equip the degreaser with a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).~~
  - ~~(4) — Equip the degreaser with one (1) of the following control devices:
    - ~~(A) — A freeboard ratio of seventy five hundredths (0.75) or greater and a powdered cover if the degreaser opening is greater than ten and eight tenths (10.8) square feet; or~~
    - ~~(B) — A refrigerated chiller; or~~
    - ~~(C) — An enclosed design in which the cover opens only when the article is actually entering or exiting the degreaser; or~~
    - ~~(D) — A carbon adsorption system with ventilation which, with the cover open, achieves a ventilation rate of greater than or equal to fifty (50) cubic feet per minute per square foot of air to vapor interface area and an average of less than twenty five parts per million of solvent is exhausted over one (1) complete adsorption cycle; or~~
    - ~~(E) — Other systems of demonstrated equivalent or better control as those outlined in (A) through (D). Such systems shall be submitted to the U.S.EPA as a SIP revision.~~~~~~

- ~~(b) — The Permittee shall ensure that the following operating requirements are met:~~
- ~~(1) — Keep the cover closed at all times except when processing workloads through the degreaser;~~
  - ~~(2) — Minimize solvent carryout emissions by:
    - ~~(A) — racking articles to allow complete drainage;~~
    - ~~(B) — moving articles in and out of the degreaser at less than eleven feet per minute;~~
    - ~~(C) — degreasing the workload in the vapor zone at least thirty (30) seconds or until condensation ceases;~~
    - ~~(D) — tipping out any pools of solvent on the cleaned articles before removal; and~~
    - ~~(E) — allowing articles to dry within the degreaser for at least fifteen (15) seconds or until visually dry;~~~~
  - ~~(3) — Prohibit the entrance into the degreaser of porous or absorbent materials such as, but not limited to, cloth, leather, wood or rope;~~
  - ~~(4) — Prohibit occupation of more than one half (½) of the degreaser's open top area with the workload;~~
  - ~~(5) — Prohibit the loading of the degreaser to the point where the vapor level would drop more than four (4) inches when the workload is removed;~~
  - ~~(6) — Prohibit solvent spraying above the vapor level;~~
  - ~~(7) — Repair solvent leaks immediately or shut down the degreaser if leaks cannot be repaired immediately;~~
  - ~~(8) — Store waste solvent only in covered containers and prohibit the disposal transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent (by weight) could evaporate;~~
  - ~~(9) — Prohibit the exhaust ventilation rate from exceeding sixty five cubic feet per minute per square foot of degreaser open area unless a greater ventilation rate is necessary to meet Occupational Safety and Health Administration (OSHA) requirements;~~
  - ~~(10) — Prohibit the use of workplace fans near the degreaser opening;~~
  - ~~(11) — Prohibit visually detectable water in the solvent exiting the water separator.~~

D.2.3D.2.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate emission limitations, work practices, and control technologies), the allowable particulate emission rate from the brazing equipment, cutting torches, soldering equipment, and welding equipment shall not exceed pound per hour emission rate established as E in the following equation:

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

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour; and  
P = process weight rate in tons per hour

### **Conclusion**

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed FESOP Significant Permit Revision No. SPR 109-23689-03229.

Appendix A: Emission Calculations

Company Name: Milestone Contractors, L.P.  
 Plant Location: 9790 Old State Road 37 North, Martinsville, Indiana 46151  
 County: Morgan  
 Approval No.: SPR 109-23689-03229  
 Application Date: September 25, 2006  
 Permit Reviewer: CarrieAnn Paukowits

I. Potential Emissions  
 A. Source emissions before controls

Hot Oil Heater on Oil  
 (oil<100MMBTU/uncontrolled)

The following calculations determine the amount of emissions created by #2 & #1 distillate fuel oil @ **0.5** % sulfur, based on 8760 hours of use and AP-42, Tables 1.3-1, 1.3-2, 1.3-3

Pollutant:	<b>2.00</b> MMBtu/hr * 8760 hrs/yr	* Ef (lbs/1000 gal) = (tons/yr)
	<b>141800</b> Btu/gal * 2000 lbs/ton	
P M:	2.0 lbs/1000 gal =	<u>0.124</u> tons/yr
PM-10	3.3 lbs/1000 gal =	<u>0.204</u> tons/yr
S O x:	71.0 lbs/1000 gal =	<u>4.39</u> tons/yr
N O x:	20.0 lbs/1000 gal =	<u>1.24</u> tons/yr
V O C:	0.34 lbs/1000 gal =	<u>0.021</u> tons/yr
C O:	5.0 lbs/1000 gal =	<u>0.309</u> tons/yr

(waste oil/atomizing burner)

The following calculations determine the amount of emissions created by waste fuel oil @ **0.75** % sulfur, based on 8760 hours of use and AP-42 Chapter 1.11

	<b>1.020</b>	% Ash
	<b>0.007</b>	% Lead
Pollutant:	<b>75</b> MMBtu/hr * 8760 hrs/yr	* Ef (lbs/1000 gal) = (tons/yr)
	<b>146000</b> Btu/gal * 2000 lbs/ton	
P M:	67.3 lbs/1000 gal =	<u>151</u> tons/yr
P M-10:	58.1 lbs/1000 gal =	<u>131</u> tons/yr
S O x:	80.3 lbs/1000 gal =	<u>181</u> tons/yr
N O x:	16.0 lbs/1000 gal =	<u>36.0</u> tons/yr
VOC	1.0 lbs/1000 gal =	<u>2.25</u> tons/yr
C O:	2.10 lbs/1000 gal =	<u>4.73</u> tons/yr
Pb:	0.36 lbs/1000 gal =	<u>0.810</u> tons/yr

Drum Mix Dryer (waste oil)

The following calculations determine the amount of emissions created by No. 2 fuel oil combustion and dryer, based on 8760 hours of use, AP-42 Ch. 11.1, Tables 11.1-7 and 8

Pollutant:	<b>250</b> tons/hr * 8760 hrs/yr	* Ef (lbs/MMcf) = (tons/yr) (tons/yr)
	2000 lbs/ton	
S O x:	0.0580 lbs/ton =	<u>63.5</u> tons/yr
N O x:	0.055 lbs/ton =	<u>60.2</u> tons/yr
V O C:	0.032 lbs/ton =	<u>35.0</u> tons/yr
C O:	0.130 lbs/ton =	<u>142</u> tons/yr

\*\* aggregate drying: drum-mix plant \*\*

The following calculations determine the amount of emissions created by aggregate drying, based on 8760 hours of use and AP-42, Chapter 11.1, Table 11.1-3, rev. 3/04

P M:	28 lbs/ton x	<b>250</b> tons/hr x	8760 hrs/yr =	<b>30660</b> tons/yr
		2000 lbs/ton		
P M-10:	6.5 lbs/ton x	<b>250</b> tons/hr x	8760 hrs/yr =	<b>7118</b> tons/yr
		2000 lbs/ton		
Lead:	0.000033 lbs/ton x	<b>250</b> tons/hr x	8760 hrs/yr =	<b>0.004</b> tons/yr
		2000 lbs/ton		
HAPs:	0.0076 lbs/ton x	<b>250</b> tons/hr x	8760 hrs/yr =	<b>8.32</b> tons/yr
		2000 lbs/ton		
Worst Case Individual HAP:	0.0031 lbs/ton x	<b>250</b> tons/hr x	8760 hrs/yr =	<b>3.39</b> tons/yr
		2000 lbs/ton		

HAPs Emission Factors (lbs/ton)			
	Natural Gas	Fuel Oil	Waste Oil
Total	0.005	0.009	0.010
Worst Case	0.0031	0.0031	0.0031
Individual	Formaldehyde	Formaldehyde	Formaldehyde
Lead	0.0000062	0.000015	0.000015

HAPs include benzene, ethylbenzene, formaldehyde, methyl chloroform, naphthalene, toluene, xylene; arsenic, cadmium, chromium, manganese, mercury, and nickel compounds.

**\*\* conveying / handling \*\***

The following calculations determine the amount of emissions created by material handling of aggregate, based on 8760 hours of use and AP-42, Ch 11.19.2

$$E_f = .0032^* \frac{(U/5)^{1.3} * k}{(M/2)^{1.4}} = \underline{\underline{0.003}} \text{ lbs/ton}$$

where k = 1 (particle size multiplier)  
 U = 12 mph mean wind speed (worst case)  
 M = 5.0 % moisture

P M : 0.003 lbs/ton x 238.0 tons/hr x 8760 hrs/yr = 2.89 tons/yr  
 2000 lbs/ton

P M-10: 10% of PM = 0.289 tons/yr

Screening

PM: 238.0 tons/hr x 0.0315 lbs/ton / 2000 lbs/ton x 8760 hrs/yr = 32.8 tons/yr

AP-42 Ch.11.19.2

P M-10: 10% of PM = 3.28 tons/yr

**\*\* unpaved roads \*\***

There are no unpaved roads.

**\*\* storage \*\***

The following calculations determine the amount of emissions created by wind erosion of storage stockpiles, based on 8760 hours of use and AP-42, Ch 11.2.3.

$$E_f = 1.7 * (s/1.5)^3 * (365-p) / 235 * (f/15)$$

= 1.74 lbs/acre/day for sand  
 = 1.16 lbs/acre/day for stone  
 = 1.16 lbs/acre/day for slag  
 = 1.16 lbs/acre/day for gravel  
 = 1.16 lbs/acre/day for RAP

where s = 1.5 % silt for sand  
 s = 1.0 % silt for stone  
 s = 1.0 % silt of slag  
 s = 1.0 % silt of gravel  
 s = 1.0 % silt for RAP  
 p = 125 days of rain greater than or equal to 0.01 inches  
 f = 15 % of wind greater than or equal to 12 mph

$$E_p (\text{storage}) = E_f * sc * (20 \text{ cuft/ton}) * (365 \text{ days/yr})$$

(2000 lbs/ton) \* (43560 sqft/acre) \* (25 ft)

= 0.009 tons/yr for sand  
 = 0.019 tons/yr for stone  
 = 0.000 tons/yr for slag  
 = 0.000 tons/yr for gravel  
 = 0.039 tons/yr for RAP

Total PM: 0.067 tons/yr

where sc = 1.5,000 tons storage capacity for sand  
 sc = 5,000 tons storage capacity for stone  
 sc = 0,000 tons storage capacity for slag  
 sc = 0,000 tons storage capacity for gravel  
 sc = 10,000 tons storage capacity for RAP

P M-10: 35% of PM = 0.003 tons/yr for sand  
 35% of PM = 0.007 tons/yr for stone  
 35% of PM = 0.000 tons/yr for slag  
 35% of PM = 0.000 tons/yr for gravel  
 35% of PM = 0.014 tons/yr for RAP

Total PM-10: 0.023 tons/yr

**\*\* Recycled Asphalt Pavement System \*\***

Operation	Capacity (tons/hr)	Emission Factor for PM (lbs/ton)	Emission Factor for PM-10 (lbs/ton)	Potential PM Emissions (lbs/hr)	Potential PM-10 Emissions (lbs/hr)	Potential PM Emissions (tons/yr)	Potential PM-10 Emissions (tons/yr)
Screening	0	0.025	0.0087	0	0.00	0.0	0
Conveying	70	0.0029	0.0011	0.203	0.077	0.89	0.337
Breaker	0	0.0054	0.0024	0	0.000	0.00	0.00
<b>Totals:</b>				<b>0.20</b>	<b>0.08</b>	<b>0.9</b>	<b>0.34</b>

**Methodology**  
 Emission Factors for Recycled Asphalt Paving System are from AP-42, Draft Section 11.19.2, Table 11.19.2-2 (SCC 3-05-020-02, SCC 3-05-020-03, SCC 3-05-020-06)

**\*\* Load Out and Yard Silo Filling \*\***

The following calculations determine the amount of emissions created by material handling of liquid asphalt based on 8760 hours of use and AP-42, Ch 11.1, Table 11.1-14, 15 and 16

**Load Out**

PM Ef =	$0.000181 + 0.00141(-V)e^{((0.0251)(T + 460) - 20.43)}$	<u>0.000522</u> lbs/ton
TOC Ef =	$0.0172(-V)e^{((0.0251)(T + 460) - 20.43)}$	<u>0.004159</u> lbs/ton
CO Ef =	$0.00558(-V)e^{((0.0251)(T + 460) - 20.43)}$	<u>0.001349</u> lbs/ton
HAP Ef =	$((0.00141(-V)e^{((0.0251)(T + 460) - 20.43)}) * (5.93\% + 1.18\%)) + TOC Ef \times 1.5\%$	<u>0.000062</u> lbs/ton

where V = -0.5 (asphalt volatility)  
 T = 325 (mix temperature in degrees Fahrenheit)

PM :	<u>0.000522</u> lbs/ton x	<u>250.0</u> tons/hr x	8760 hrs/yr =	<u>0.572</u> tons/yr
PM 10 :	<u>0.000522</u> lbs/ton x	<u>250.0</u> tons/hr x	8760 hrs/yr =	<u>0.572</u> tons/yr
VOC :	<u>0.004159</u> lbs/ton x	<u>250.0</u> tons/hr x	8760 hrs/yr =	<u>4.55</u> tons/yr
CO :	<u>0.001349</u> lbs/ton x	<u>250.0</u> tons/hr x	8760 hrs/yr =	<u>1.48</u> tons/yr
Total HAPs :	<u>0.000062</u> lbs/ton x	<u>250.0</u> tons/hr x	8760 hrs/yr =	<u>0.068</u> tons/yr

**Silo Filling**

PM Ef =	$0.000332 + 0.00105(-V)e^{((0.0251)(T + 460) - 20.43)}$	<u>0.000586</u> lbs/ton
TOC Ef =	$0.0504(-V)e^{((0.0251)(T + 460) - 20.43)}$	<u>0.012187</u> lbs/ton
CO Ef =	$0.00488(-V)e^{((0.0251)(T + 460) - 20.43)}$	<u>0.001180</u> lbs/ton
HAP Ef =	$(0.00105(-V)e^{((0.0251)(T + 460) - 20.43)}) * 11.4\% + TOC Ef \times 1.3\%$	<u>0.000158</u> lbs/ton

where V = -0.5 (asphalt volatility)  
 T = 325 (mix temperature in degrees Fahrenheit)

PM :	<u>0.000586</u> lbs/ton x	<u>250.0</u> tons/hr x	8760 hrs/yr =	<u>0.642</u> tons/yr
PM 10 :	<u>0.000586</u> lbs/ton x	<u>250.0</u> tons/hr x	8760 hrs/yr =	<u>0.642</u> tons/yr
VOC :	<u>0.012187</u> lbs/ton x	<u>250.0</u> tons/hr x	8760 hrs/yr * 94.0%	<u>12.54</u> tons/yr
CO :	<u>0.001180</u> lbs/ton x	<u>250.0</u> tons/hr x	8760 hrs/yr =	<u>1.29</u> tons/yr
Total HAPs :	<u>0.000158</u> lbs/ton x	<u>250.0</u> tons/hr x	8760 hrs/yr =	<u>0.173</u> tons/yr

Tanks	Used Oil	(lbs/hr)	(tons/yr)
Tank 6	Used Oil	9.70	0.005
Tank 7, 9, 10, and 11	Fuel Oil	30.0	0.015
Tank 8	Liquid Asphalt Cement	95.0	0.048
<b>Total</b>		<b>135</b>	<b>0.067</b>

Tanks emissions based on Tanks 4.0.9

**Unrestricted Potential Emissions**

Emissions before controls (combustion plus production) are as follows (fuel indicated is fuel used at dryer):

natural gas		#4 fuel oil		#2 fuel oil		waste oil	
P M:	0 tons/yr	P M:	0 tons/yr	P M:	0 tons/yr	P M:	30849 tons/yr
P M-10:	0 tons/yr	P M-10:	0 tons/yr	P M-10:	0 tons/yr	P M-10:	7254 tons/yr
S O x:	0 tons/yr	S O x:	0 tons/yr	S O x:	0 tons/yr	S O x:	185 tons/yr
N O x:	0 tons/yr	N O x:	0 tons/yr	N O x:	0 tons/yr	N O x:	61.5 tons/yr
V O C:	0 tons/yr	V O C:	0 tons/yr	V O C:	0 tons/yr	V O C:	52.2 tons/yr
C O:	0 tons/yr	C O:	0 tons/yr	C O:	0 tons/yr	C O:	145 tons/yr
Lead:	0 tons/yr	Lead:	0 tons/yr	Lead:	0 tons/yr	Lead:	0.814 tons/yr
HAPs:	0 tons/yr	HAPs:	0 tons/yr	HAPs:	0 tons/yr	HAPs:	9.44 tons/yr

**B. Source emissions after controls**

<b>dryer combustion: #4 reused oil</b>			
P M:	151 tons/yr x	0.00020	emitted after controls = 0.030 tons/yr
P M-10:	131 tons/yr x	0.00080	emitted after controls = 0.105 tons/yr
<b>aggregate drying:</b>			
P M:	30660 tons/yr x	0.00020	emitted after controls = 6.13 tons/yr
P M-10:	7118 tons/yr x	0.00080	emitted after controls = 5.69 tons/yr
<b>conveying/handling:</b>			
P M:	2.89 tons/yr x	1.000	emitted after controls = 2.89 tons/yr
P M-10:	0.29 tons/yr x	1.000	emitted after controls = 0.289 tons/yr
<b>screening</b>			
P M:	32.84 tons/yr x	1.000	emitted after controls = 32.8 tons/yr
P M-10:	3.28 tons/yr x	1.000	emitted after controls = 3.28 tons/yr
<b>unpaved roads:</b>			
P M:	0.00 tons/yr x	50.00%	emitted after controls = 0.00 tons/yr
P M-10:	0.00 tons/yr x	50.00%	emitted after controls = 0.000 tons/yr
<b>storage:</b>			
P M:	0.067 tons/yr x	50.00%	emitted after controls = 0.033 tons/yr
P M-10:	0.023 tons/yr x	50.00%	emitted after controls = 0.012 tons/yr
<b>RAP System:</b>			
P M:	0.889 tons/yr x	100%	emitted after controls = 0.889 tons/yr
P M-10:	0.337 tons/yr x	100%	emitted after controls = 0.337 tons/yr
<b>Load Out:</b>			
P M:	0.572 tons/yr x	100%	emitted after controls = 0.572 tons/yr
P M-10:	0.572 tons/yr x	100%	emitted after controls = 0.572 tons/yr
<b>Silo Filling:</b>			
P M:	0.642 tons/yr x	100%	emitted after controls = 0.642 tons/yr
P M-10:	0.642 tons/yr x	100%	emitted after controls = 0.642 tons/yr

Emissions after controls (combustion plus production) are as follows:

	Gas	#2 Oil	#4 Oil	Waste Oil	
P M1	0.0	0.0	44.0	44.0	tons/yr
P M-10	0.0	0.0	10.9	10.9	tons/yr

**II. Allowable Emissions**

A. The following calculations determine compliance with NSPS Subpart I, which limits stack emissions from asphalt plants to 0.04 gr/dscf:

$$\begin{aligned}
 & \frac{0.04 \text{ grains} * \underline{61000} \text{ acfm} *}{\text{dscf}} + \frac{528}{460} * \frac{100 - \underline{30} \% \text{ moisture}}{100} \\
 & * \frac{525600 \text{ minutes} *}{\text{year}} * \frac{1}{7000 \text{ grains}} * \frac{1 \text{ ton}}{2000 \text{ lbs}} = \underline{44.5 \text{ tons/yr}} \\
 & \text{To meet NSPS Subpart I, the following value must be } < \text{ amount calculated above} \quad \underline{6.16 \text{ tons/yr}}
 \end{aligned}$$

B. The following calculations determine the maximum sulfur content of reused/waste oil allowable by 326-IAC 7:

$$\begin{aligned}
 \text{limit:} & \quad 1.6 \text{ lbs/MMBtu} \\
 & 1.6 \text{ lbs/MMBtu} * \underline{146000} \text{ Btu/gal} = 233.6 \text{ lbs/1000gal} \\
 & 233.6 \text{ lbs/1000gal} / \underline{107} \text{ lbs/1000 gal}^* = \underline{2.18}
 \end{aligned}$$

Sulfur content must be less than or equal to and to limit SO2 emissions to 99 tons per year or less.

\* Based on AP-42 Table 11.1-2, the SO2 emission factor for waste oil using an atomizing burner is 107xS, where S is the weight % sulfur

**FUEL USAGE LIMITATION FOR BURNER (#4 Oil)**

$$\begin{aligned}
 & \frac{180.6 \text{ tons SO}_2}{\text{year}} * \frac{2000 \text{ lbs}}{\text{ton}} = 361125 \frac{\text{lbs SO}_2}{\text{year}} \\
 & \frac{361125.00 \text{ lbs SO}_2}{\text{year}} / \underline{80.3} \frac{\text{lbs}}{1000 \text{ gal}} = 4500000 \frac{\text{gal}}{\text{year}} \\
 & \frac{4500000.00 \text{ gal}}{\text{year}} * \frac{90.6 \text{ tons/yr}}{180.56 \text{ tons/yr}} = \underline{2258288} \frac{\text{gal}}{\text{year}} \text{ FESOP Limit}
 \end{aligned}$$

**Production Limitation based on CO**

3.08 Tons per year from processes other than dryer burner  
 91.92 Tons/yr dryer burner limit  
 183843.23 lbs/yr limit  
 0.13 lb/ton AP-42 emission factor  
 1414178.73 ton per year throughput limit

Ton per year throughput limit = ((Tons/yr dryer burner limit x 2,000 lbs/ton) / AP-42 emission factor (lb/ton asphalt))

**Emission Limitations based on PM and PM10**

1414178.73 ton per year limited throughput based on CO

PM (tons/yr)	PM10 (tons/yr)	
0.124	0.204	Heater
36.6	3.91	Screening and Conveying
0.067	0.023	Storage
1.21	1.21	Silo filling and unloading
<b>38.0</b>	<b>5.35</b>	Total from all units other than dryer burner and mixer
207	89.7	Required limit from dryer burner and mixer
Limited Potential to Emit (lbs/ton of asphalt processed)		
<b>PM</b>	<b>PM10</b>	
0.293	0.127	Limited potential to emit (lbs/ton of asphalt processed)

Limited PM and PM10 potential to emit (lbs/ton of asphalt processed) = (Required limit from dryer burner and mixer (tons/yr) x 2,000 lbs/ton)/(Ton per year limited throughput based on CO)

**VOC Limit**

**Dryer/mixer**

Limited Throughput for CO (tons/yr)	VOC Emission factor (lb/ton)	PTE VOC (tons/yr)
1414178.73	0.032	22.6

**Modification Emissions**

**Unrestricted Potential Emissions (tons/yr)**

	PM	PM10	SO2	NOx	VOC	CO	Lead	Formaldehyde	Total HAPs
Drum Dryer and Mixer	30811	7248	181	60.2	35.0	142	0.004	3.39	9.13
Silo	1.21	1.21	0.00	0.00	17.1	2.77	0.000	0.000	0.242
RAP Conveyor	0.889	0.337	0.00	0.00	0.000	0.000	0.000	0.000	0.000
Tanks 10 and 11	0.000	0.000	0.00	0.00	0.034	0.000	0.000	0.000	0.034
<b>Total</b>	<b>30814</b>	<b>7250</b>	<b>181</b>	<b>60.2</b>	<b>52.2</b>	<b>145</b>	<b>0.004</b>	<b>3.39</b>	<b>9.41</b>

**Potential to Emit of Revision after Issuance (tons/yr)**

	PM	PM10	SO2	NOx	VOC	CO	Lead	Formaldehyde	Total HAPs
Drum mixer	207	89.7	90.6	60.2	22.6	91.9	0.004	3.39	9.13
Silo	1.21	1.21	0.00	0.00	17.1	2.77	0.00	0.00	0.242
RAP Conveyor	0.89	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tanks	0.00	0.00	0.00	0.00	0.034	0.00	0.00	0.00	0.034
<b>Total</b>	<b>209</b>	<b>91.2</b>	<b>90.6</b>	<b>60.2</b>	<b>39.8</b>	<b>94.7</b>	<b>0.004</b>	<b>3.39</b>	<b>9.41</b>

**Potential to Emit of Source After Issuance (tons/yr)**

	PM	PM10	SO2	NOx	VOC	CO	Lead	Formaldehyde	Total HAPs
Hot Oil Heater	0.124	0.204	4.39	1.24	0.021	0.309	0.000	0.00	0.00
Drum Dryer and Mixer	207.0	89.7	90.6	60.2	22.6	91.9	0.004	3.39	9.13
Screening and Conveying	36.6	3.91	0.00	0.00	0.00	0.00	0.000	0.00	0.00
Storage (including tanks)	0.067	0.023	0.00	0.00	0.067	0.00	0.000	0.00	0.067
Silo filling and unloading	1.21	1.21	0.00	0.00	17.1	2.77	0.000	0.00	0.242
<b>Total</b>	<b>245</b>	<b>95.0</b>	<b>95.0</b>	<b>61.5</b>	<b>39.8</b>	<b>95.0</b>	<b>0.004</b>	<b>3.39</b>	<b>9.44</b>

Past Compliance Evaluation

Permit Limits	
	Mixer/Dryer lbs/hr
PM	48.6
PM10	21.7

  

Limited Fuel Usage (gallons/yr)	Maximum Potential Fuel Usage (gallons/yr)
2536000	4500000

  

Sulfur Content
0.50%

Potential to Emit of Source Prior to Issuance (tons/yr)

	PM	PM10	SO2	NOx	VOC	CO	Lead	Formaldehyde	Total HAPs
Hot Oil Heater	0.124	0.204	4.39	1.24	0.021	0.309	0.000	0.000	0.000
Drum Dryer and Mixer	213	95.0	67.8	60.2	35.0	142	0.004	3.39	9.13
Screening and Conveying	35.7	3.572	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Storage (including tanks)	0.067	0.023	0.000	0.000	0.067	0.000	0.000	0.000	0.067
Silo filling and unloading	1.21	1.21	0.000	0.000	17.1	2.77	0.000	0.000	0.242
<b>Total</b>	<b>250</b>	<b>100</b>	<b>72.2</b>	<b>61.5</b>	<b>52.2</b>	<b>145</b>	<b>0.004</b>	<b>3.39</b>	<b>9.44</b>

Past Actual VOC and CO Emissions (tons/yr) from Dryer and Mixer

Maximum Asphalt Production	130000	tons/12-month period
Maximum Fuel Usage	375000	gallons/12-month period

(waste oil/atomizing burner)

The following calculations determine the amount of emissions created by waste fuel oil @ **0.75%** sulfur, based on 8760 hours of use and AP-42 Chapter 1.11

		1.020	% Ash
		0.007	% Lead
Pollutant:	<b>375</b>	* Ef (lbs/1000 gal) = (tons/yr)	
	<b>2000</b> lbs/ton		
P M:	67.3 lbs/1000 gal =	<b>12.6</b>	tons/yr
P M-10:	58.1 lbs/1000 gal =	<b>10.9</b>	tons/yr
S O x:	80.3 lbs/1000 gal =	<b>15.0</b>	tons/yr
N O x:	16.0 lbs/1000 gal =	<b>3.00</b>	tons/yr
V O C:	1.0 lbs/1000 gal =	<b>0.188</b>	tons/yr
C O:	2.10 lbs/1000 gal =	<b>0.394</b>	tons/yr
P b:	0.36 lbs/1000 gal =	<b>0.068</b>	tons/yr

Drum Mix Dryer (waste oil)

The following calculations determine the amount of emissions created by No. 2 fuel oil combustion and dryer, based on 8760 hours of use, AP-42 Ch. 11.1, Tables 11.1-7 and 8

Pollutant:	<b>130000</b> tons/yr	* Ef (lbs/ton) = (tons/yr)	
	2000 lbs/ton		
S O x:	0.0580 lbs/ton =	<b>3.77</b>	tons/yr
N O x:	0.055 lbs/ton =	<b>3.58</b>	tons/yr
V O C:	0.032 lbs/ton =	<b>2.08</b>	tons/yr
C O:	0.130 lbs/ton =	<b>8.45</b>	tons/yr

	VOC (tons/yr)	CO (tons/yr)
Hot Oil Heater	0.021	0.309
Drum Dryer and Mixer	2.08	8.45
Screening and Conveying	0.000	0.000
Storage (including tanks)	0.067	0.000
Silo filling and unloading	17.10	2.77
<b>Total</b>	<b>19.3</b>	<b>11.5</b>