



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: June 4, 2008

RE: Milestone Contractors, L.P. / 011-26050-00046

FROM: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

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

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

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

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

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

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

Enclosures
FNPER.dot12/03/07



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June 4, 2008

Mr. Robert Beyke
Milestone Contractors, L.P.
5950 South Belmont Avenue
Indianapolis, IN 46217

Re: 011-26050-00046
First Significant Revision to
F011-17830-00046

Dear Mr. Beyke:

Milestone Contractors, L.P. was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F011-17830-00046 on August 20, 2004 for a stationary drum mix hot asphalt plant located at 4312 Whitelick Drive, Whitestown, Indiana 46075. On February 4, 2008, the Office of Air Quality (OAQ) received an application from the source requesting to replace the existing 115 MMBtu/hr waste oil-fired burner with a new 100 MMBtu/hr dryer burner. The new burner has the capability to use 100 percent re-refined waste oil, natural gas, or No. 2 distillate fuel oil or a combination of coal and support fuel. In addition, the source has requested to remove the existing batch tower from the facility. Finally, the source requested that the FESOP Renewal permit term be extended to ten (10) years. Pursuant to the provisions of 326 IAC 2-8-11.1, these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-8-11.1(f). Pursuant to the provisions of 326 IAC 2-8-11.1, a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

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. Attached please find the entire revised permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Brian Williams, of my staff, at 317-234-5375 or 1-800-451-6027, and ask for extension 4-5375.

Sincerely,

Original signed by

Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

Attachments: Technical Support Document and revised permit

IC/BMW

cc: File - Boone County
Boone County Health Department
U.S. EPA, Region V
Air Compliance Section
Compliance Data Section
Technical Support and Modeling
Permits Administrative and Development
Billing, Licensing and Training Section



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Federally Enforceable State Operating Permit Renewal OFFICE OF AIR QUALITY

**Milestone Contractors, L.P.
4312 Whitelick Drive
Whitestown, Indiana 46075**

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

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

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

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

Operation Permit No.: F011-17830-00046	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: August 20, 2004 Expiration Date: August 20, 2014

First Administrative Amendment No.: 011-20469-00046, issued on February 24, 2005

Significant Permit Revision No.: F011-26050-00046	Affected Pages: Entire Permit
Issued by: Original signed by Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: June 4, 2008 Expiration Date: August 20, 2014

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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 drum mix hot asphalt plant.

Source Address:	4312 Whitelick Drive, Whitestown, Indiana 46075
Mailing Address:	5950 S. Belmont Avenue, Indianapolis, Indiana 46217
General Source Phone Number:	317-769-6028
SIC Code:	2951
County Location:	Boone
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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

- (a) one (1) drum dryer/mixer, constructed in 1999 and approved for modification to burn coal in 2008, capable of processing 400 tons per hour of raw material, with a hydrocarbon capture system for hydrocarbon emissions control, equipped with one (1) 100 MMBtu per hour dryer burner, using coal, natural gas, No. 2 distillate fuel oil and/or re-refined waste-oil, and consisting of one (1) knockout box and one (1) jet pulse baghouse in series for particulate control, exhausting at one (1) stack (ID No. S-1);
- (b) cold-mix (stockpile mix) asphalt storage piles;
- (c) two (2) 22,000 gallon liquid asphalt storage tanks, identified as Tanks 22 and 23, constructed in 1999, and one (1) 20,000 gallon liquid asphalt storage tank, identified as Tank 27, constructed in 2003; and
- (d) one (1) 20,000 gallon fuel oil storage tank (ID Tank No. 25), constructed in 1999.

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

This stationary source also includes the following insignificant activities:

- (a) Propane or liquified petroleum gas, or butane-fired combustion sources with heat input equal to or less than six (6) million Btu per hour:
 - (1) one (1) 0.5 MMBtu per hour propane-fired hand torch used for maintenance purposes.
- (b) Fuel oil-fired combustion sources with heat input equal to or less than two (2) million Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight:
 - (1) one (1) 0.35 MMBtu per hour No. 2 distillate fuel oil fired portable space heater.

- (c) Combustion source flame safety purging on startup.
- (d) The following VOC and HAP storage containers:
 - (1) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (e) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings.
- (f) Closed loop heating and cooling systems.
- (g) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (h) Paved and unpaved roads and parking lots with public access.
- (i) A laboratory as defined in 326 IAC 2-7-1(21)(C).
- (j) One (1) No. 2 distillate oil-fired hot oil heater, with a maximum rated capacity of 2.2 MMBtu per hour, using natural gas as back-up fuel, exhausting through one (1) stack (ID No. S-2).
- (k) One (1) aggregate cold feed system consisting of:
 - (1) eight (8) aggregate feed bins;
 - (2) eight (8) feeder conveyors;
 - (3) one (1) collector conveyor;
 - (4) one (1) cold aggregate screen system; and
 - (5) one (1) cold aggregate scale conveyor.
- (l) One (1) Reclaimed Asphalt Pavement (RAP) feed system consisting of:
 - (1) two (2) RAP feed bins and two (2) feeder conveyors;
 - (2) one (1) lump breaker system with one (1) collector conveyor; and
 - (3) one (1) RAP scale conveyor.
- (m) One (1) hot mix drag slat conveyor with a maximum capacity to transfer 400 tons per hour of hot mix asphalt.
- (n) One (1) hot mix storage system consisting of three (3) hot mix storage silos, each with a maximum storage capacity of 200 tons, with top of silos transfer conveyor systems.
- (o) One (1) dust storage and metering system.
- (p) Aggregate storage piles, with a total maximum storage capacity of 103,470 tons.
- (q) Two (2) 500 gallon No. 2 fuel oil storage tanks.

- (r) One (1) enclosed coal storage pile
- (s) One (1) coal processing unit consisting of the following:
 - (1) One (1) coal feed bin;
 - (2) One (1) enclosed coal pulverizer; and
 - (3) One (1) pneumatic coal conveyor.

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, F011-17830-00046, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (a) All terms and conditions of permits established prior to F011-17830-00046 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)]

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)]

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

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

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

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

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

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

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

- (b) A timely renewal application is one that is:
 - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

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

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

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

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

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

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

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

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

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

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

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

and

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

77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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

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

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

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

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

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

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

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

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

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

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

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

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

- (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

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

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

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

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

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

(a) Pursuant to 326 IAC 2-8:

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

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

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

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

C.3 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A,

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

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

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

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

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

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

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

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

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on January 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
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

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

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

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

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on.
- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.16 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

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

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

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

- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

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

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

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

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

C.19 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

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

Stratospheric Ozone Protection

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

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

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) one (1) drum dryer/mixer, constructed in 1999 and approved for modification to burn coal in 2008, capable of processing 400 tons per hour of raw material, with a hydrocarbon capture system for hydrocarbon emissions control, equipped with one (1) 100 MMBtu per hour dryer burner, using coal, natural gas, No. 2 distillate fuel oil and/or re-refined waste-oil, and consisting of one (1) knockout box and one (1) jet pulse baghouse in series for particulate control, exhausting at one (1) stack (ID No. S-1);

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

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

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

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

D.1.2 NSPS Subpart I Requirements [326 IAC 12] [40 CFR 60.90, Subpart I]

- (a) Pursuant to 326 IAC 12, (40 CFR Part 60.92, Subpart I) "Standards of Performance for Hot Mix Asphalt Facilities", the dryer/mixer shall not discharge or cause the discharge into the atmosphere any gases which exhibit 20% opacity or greater.
- (b) Pursuant to 326 IAC 12, (40 CFR Part 60.90, Subpart I) "Standards of Performance for Hot Mix Asphalt Facilities", the particulate matter emissions from the dryer/mixer shall be limited to 0.04 grains per dry standard cubic foot (gr/dscf).

D.1.3 Particulate Matter (PM) [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the source shall comply with the following:

- (a) The asphalt production rate shall not exceed 550,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) PM emissions from the dryer/mixer shall not exceed 0.782 pounds of PM per ton of asphalt produced.

Compliance with these limits, combined with the potential to emit PM from all other emission units at this source, will limit the source-wide total potential to emit of PM to less than 250 tons per 12 consecutive month period and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

D.1.4 FESOP Limits [326 IAC 2-8-4][326 IAC 2-2] [326 IAC 8-1-6]

Pursuant to 326 IAC 2-8-4, the emissions of PM₁₀, SO₂, CO, and VOC shall be limited as follows:

- (a) The asphalt production rate shall not exceed 550,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) PM₁₀ emissions from the dryer/mixer shall not exceed 0.323 pounds of PM₁₀ per ton of asphalt produced.

- (c) SO₂ emissions from the dryer/mixer shall not exceed 0.345 pounds of SO₂ per ton of asphalt produced.
- (d) CO emissions from the dryer/mixer shall not exceed 0.345 pounds of CO per ton of asphalt produced.
- (e) VOC emissions from the dryer/mixer shall not exceed 0.032 pounds of VOC per ton of asphalt produced.

Compliance with these limits, combined with the potential to emit PM₁₀, SO₂, CO, and VOC from all other emission units at this source, will limit the source-wide potential to emit PM₁₀, SO₂, CO, and VOC to less than 100 tons per 12 consecutive month period, each, and render 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable. In addition, compliance with the asphalt and VOC limits will render 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities) not applicable.

D.1.5 Fuel Usage Limitations for SO₂ [326 IAC 2-8-4][326 IAC 2-2]

Pursuant to 326 IAC 2-8-4, the SO₂ emissions from the dryer/mixer burner shall be limited as follows:

- (a) The total usage of re-refined waste oil and re-refined waste oil equivalents for the dryer/mixer burner, the hot oil heater, and the space heater shall in no case exceed 1,500,000 gallons or equivalent per twelve (12) consecutive month period, with compliance determined at the end of each month.

For the purpose of determining compliance with this limit:

- (1) Every 183.8 million cubic feet of natural gas shall be equivalent to one thousand (1000) gallons of re-refined waste oil. However, the natural gas usage shall in no case exceed 979.7 million cubic feet per twelve (12) consecutive month period.
 - (2) Every 1.40 gallons of No. 2 fuel oil shall be equivalent to one (1) gallon of re-refined waste oil. However, the No. 2 fuel oil usage shall in no case exceed 2,420,382 gallons per twelve (12) consecutive month period.
 - (3) Every 6.13 tons of coal shall be equivalent to one thousand (1000) gallons of re-refined waste oil. However, the coal usage shall in no case exceed 5,305 tons per twelve (12) consecutive month period.
- (b) The sulfur content of the re-refined waste oil shall not exceed 0.75% by weight.
 - (c) The sulfur content of the coal shall not exceed 1.0% by weight.

Compliance with these limits, combined with the potential to emit SO₂ from all other units at this source, will limit the source-wide SO₂ to less than 100 tons per twelve (12) consecutive month period, and render 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable. In addition, compliance with these limits will render 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable to NO_x.

D.1.6 Hazardous Air Pollutants (HAPs) [326 IAC 2-8-4] [326 IAC 2-4.1]

Pursuant to 326 IAC 2-8-4, the following additional limits shall apply to the source:

- (a) The chlorine content of the re-refined waste oil used in the dryer/mixer burner, the hot oil heater, and the space heater shall not exceed two-tenths of a percent (0.20%) by weight.

- (b) The usage of re-refined waste oil used in the dryer/mixer burner, the hot oil heater, and the space heater shall be limited to less than 1,500,000 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (c) The HCl emissions from the dryer/mixer burner shall be limited to less than 13.2 pounds of HCl per 1,000 gallons of re-refined waste oil burned.

Compliance with these limits, combined with the potential to emit HAP from all other emission units at this source, will limit the source-wide potential to emit HCl to less than 10 tons per twelve (12) consecutive month period and combined HAPs to less than 25 tons per twelve (12) consecutive month period and render 326 IAC 2-7 (Part 70) and 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP)) not applicable.

D.1.7 Sulfur Dioxide (SO₂) [326 IAC 7-1.1]

Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide emissions from the dryer/mixer burner shall be limited as follows:

- (a) One and six-tenths (1.6) pounds per MMBtu heat input when using residual oil (including refinery blend oil and waste oil).
- (b) Five-tenths (0.5) pounds per MMBtu heat input when using distillate oil (including No. 2 fuel oil); and
- (c) Six and zero-tenths (6.0) pounds per MMBtu heat input when using coal or coal and oil simultaneously.
- (d) Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

D.1.8 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

D.1.9 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

- (a) In order to demonstrate compliance with Conditions D.1.2, D.1.3, and D.1.4, the Permittee shall perform PM and PM-10 testing on the dryer/mixer exhausting through stack S-1 utilizing methods as approved by the Commissioner. PM-10 includes filterable and condensable PM-10.
- (b) Opacity testing utilizing 40 CFR Part 60 Appendix A, Method 9, to demonstrate compliance with the opacity limitation of Condition D.1.2.
- (c) In order to demonstrate compliance with D.1.4(c), the Permittee shall conduct SO₂ testing on the dryer/mixer while burning coal as the primary fuel within one hundred and eighty (180) days after initial startup of the modified dryer burner utilizing methods as approved by the Commissioner.

These tests shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

D.1.10 Hydrogen Chloride (HCl) Emissions and Chlorine Content

In order to comply with Conditions D.1.6(a) and (c), the Permittee shall demonstrate that the chlorine content of the fuel used for the dryer/mixer burner does not exceed two-tenths of a percent (0.20%) by weight, when operating on re-refined waste oil, by providing a vendor analysis of fuel delivered accompanied by a vendor certification.

D.1.11 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Conditions D.1.5(b) and D.1.7(a) and (b), shall be determined utilizing one of the following options:

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per MMBtu heat input when using No. 2 distillate fuel oil and one and six-tenths (1.6) pounds per MMBtu heat input when using re-refined waste oil 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 dryer/mixer, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

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

Compliance with conditions D.1.5(c) and D.1.7(c), shall be determined utilizing the following options:

- (c) Pursuant to 326 IAC 7-2, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed six and zero-tenths (6.0) pounds per MMBtu when using coal or coal and oil simultaneously by:
 - (1) Providing vendor analysis of coal delivered, if accompanied by a certification from the fuel supplier as described under 40 CFR 60.48c(f)(3). The certification shall include:
 - (A) The name of the coal supplier; and
 - (B) The location of the coal when the sample was collected for analysis to determine the properties of the coal, specifically including whether the coal was sampled as delivered to the affected facility or whether the coal was collected from coal in storage at the mine, at a coal preparation plant, at a coal supplier's facility, or at another location. The certification shall include the name of the coal mine (and coal seam), coal storage facility, or coal preparation plant (where the sample was collected); and

- (C) The results of the analysis of the coal from which the shipment came (or of the shipment itself) including the sulfur content, moisture content, ash content, and heat content; and
- (D) The methods used to determine the properties of the coal; and
- (2) Sampling and analyzing the coal using one of the following procedures:
 - (A) Minimum Coal Sampling Requirements and Analysis Methods:
 - (i) The coal sample acquisition point shall be at a location where representative samples of the total coal flow to be combusted by the facility or facilities may be obtained. A single as-bunkered or as-burned sampling station may be used to represent the coal to be combusted by multiple facilities using the same stockpile feed system;
 - (ii) Coal shall be sampled at least one (1) time per day;
 - (iii) Minimum sample size shall be five hundred (500) grams;
 - (iv) Samples shall be composited and analyzed at the end of each calendar quarter;
 - (v) Preparation of the coal sample, heat content analysis, and sulfur content analysis shall be determined pursuant to 326 IAC 3-7-2(c), (d), (e); or
 - (vi) Sample and analyze the coal pursuant to 326 IAC 3-7-3; or
- (3) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the dryer/mixer, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6, which is conducted with such frequency as to generate the amount of information required by (1) or (2) above. [326 IAC 7-2-1(b)]

A determination of noncompliance pursuant to any of the methods specified in (1), (2), or (3) above shall not be refuted by evidence of compliance pursuant to the other method.

D.1.12 Particulate Control

- (a) In order to comply with conditions D.1.2, D.1.3, and D.1.4, the baghouse for particulate control shall be in operation and control emissions from the dryer/mixer at all times when the dryer/mixer is 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.1.13 Visible Emissions Notations

- (a) Visible emission notations of the dryer/mixer baghouse stack 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.1.14 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouse used in conjunction with the dryer/mixer, at least once per day when the dryer/mixer is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions 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.1.15 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For a single compartment baghouses controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit 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 emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature,

flow rate, air infiltration, leaks, dust traces or triboflows.

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

D.1.16 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.5, D.1.6, and D.1.7, the Permittee shall maintain records in accordance with (1) through (7) below.
- (1) Calendar dates covered in the compliance determination period;
 - (2) Actual fuel usage for each type of fuel per month since the last compliance determination period and equivalent SO₂ and HCl emissions. Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period;
 - (3) Sulfur content, heat content, and ash content of the coal;
 - (4) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

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

- (5) Fuel supplier certifications.
- (6) The name of the fuel supplier; and
- (7) A statement from the fuel supplier that certifies the sulfur content of the fuel oil, or re-refined waste oil, and a statement from the fuel supplier that certifies the chlorine content of the re-refined waste oil.

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

- (b) To document compliance with Conditions D.1.3(a) and D.1.4(a), the Permittee shall keep records of the amount of hot mix asphalt produced per month. Records maintained shall be complete and sufficient to establish compliance with Conditions D.1.3(a) and D.1.4(a).
- (c) To document compliance with Condition D.1.13, the Permittee shall maintain records of visible emission notations of the dryer/mixer baghouse stack once per day. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (d) To document compliance with Condition D.1.14, the Permittee shall maintain records once per day of the pressure drop during normal operation. The Permittee shall include in its daily record when the pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).
- (e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.17 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.3(a), D.1.4(a), D.1.5, and D.1.6(b), shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

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

- (b) cold-mix (stockpile mix) asphalt storage piles;

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

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

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

- (a) Pursuant to 326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving), the use of cutback asphalt or asphalt emulsion shall not contain more than seven percent (7%) oil distillate by volume of emulsion for any paving application except the following purposes:
- (1) penetrating prime coating
 - (2) stockpile storage
 - (3) application during the months of November, December, January, February and March.
- (b) Gelled asphalt with VOC solvent liquid binder used in the production of cold mix asphalt shall not exceed 3,155.6 tons of VOC solvent per twelve (12) consecutive month period. This is equivalent to limiting the VOC emitted from solvent use to 78.89 tons per twelve (12) consecutive month period, based on the following definition:

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

Compliance with this limit, combined with the potential to emit VOC from all other emission units at this source, shall limit the source-wide potential to emit VOC to less than 100 tons per 12 consecutive month period, and render 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

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

D.2.2 Record Keeping Requirements

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

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

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

D.2.3 Reporting Requirements

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, Indiana 46075
Mailing Address: 5950 South Belmont Avenue, Indianapolis, Indiana 46217
FESOP Permit No.: F011-17830-00046

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:

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

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

Source Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, Indiana 46075
Mailing Address: 5950 South Belmont Avenue, Indianapolis, Indiana 46217
FESOP Permit No.: F011-17830-00046

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: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

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

FESOP Quarterly Report

Source Name: Milestone Contractors, L.P.
 Source Address: 4312 Whitelick Drive, Whitestown, Indiana 46075
 Mailing Address: 5950 S. Belmont Avenue, Indianapolis, Indiana 46217
 FESOP No.: F011-17830-00046
 Facility: 100 MMBtu/hr aggregate dryer/mixer burner
 Parameter: Sulfur Dioxide (SO₂)
 Limit: The total usage of re-refined waste oil and re-refined waste oil equivalents for the dryer/mixer burner, the hot oil heater, and the space heater shall in no case exceed 1,500,000 gallons or equivalent per twelve (12) consecutive month period, with compliance determined at the end of each month.

For the purpose of determining compliance with this limit:
 (1) Every 183.8 million cubic feet of natural gas shall be equivalent to one thousand (1000) gallons of re-refined waste oil.
 (2) Every 1.40 gallons of No. 2 fuel oil shall be equivalent to one (1) gallon of re-refined waste oil.
 (3) Every 6.13 tons of coal shall be equivalent to one thousand (1000) gallons of re-refined waste oil.

The sulfur content of the re-refined waste oil shall not exceed 0.75% by weight and The sulfur content of the coal shall not exceed 1.0% by weight.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Re-refined waste oil and Equivalents Usage This Month (gallons)	Re-refined waste oil and Equivalents Usage Previous 11 Months (gallons)	12 Month Total Re-refined waste oil and Equivalents Usage (gallons)
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
 Deviation has been reported on: _____

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

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, Indiana 46075
Mailing Address: 5950 S. Belmont Avenue, Indianapolis, Indiana 46217
FESOP No.: F011-17830-00046
Facility: One (1) drum dryer/mixer
Parameter: Hot mix asphalt production
Limit: 550,000 tons per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Asphalt Production This Month (tons)	Asphalt Production Previous 11 Months (tons)	12 Month Total Asphalt Production (tons)
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, Indiana 46075
Mailing Address: 5950 S. Belmont Avenue, Indianapolis, Indiana 46242-1459
FESOP No.: F011-17830-00046
Facility: cold-mix (stockpile mix) asphalt storage piles
Parameter: Volatile Organic Compounds (VOC)
Limit: Gelled asphalt with VOC solvent liquid binder used in the production of cold mix asphalt shall not exceed 3,155.6 tons of VOC solvent per twelve (12) consecutive month period. This is equivalent to limiting the VOC emitted from solvent use to 78.89 tons per twelve (12) consecutive month period.

YEAR: _____

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

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on: _____

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

Attach a signed certification to complete this report.

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

Source Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, Indiana 46075
Mailing Address: 5950 South Belmont Avenue, Indianapolis, Indiana 46217
FESOP Permit No.: F011-17830-00046

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

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

ATTACHMENT A

ASPHALT PLANT SITE FUGITIVE DUST CONTROL PLAN

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

Indiana Department of Environmental Management Office of Air Quality

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

Source Description and Location

Source Name:	Milestone Contractors, L.P.
Source Location:	4312 Whitelick Drive, Whitestown, Indiana 46075
County:	Boone
SIC Code:	2951
Operation Permit No.:	F 011-17830-00046
Operation Permit Issuance Date:	August 20, 2004
Significant Permit Revision No.:	011-26050-00046
Permit Reviewer:	Brian Williams

On February 4, 2008, the Office of Air Quality (OAQ) has received an application from Milestone Contractors, L.P. related to a modification to an existing stationary drum mix hot asphalt plant.

Existing Approvals

The source was issued FESOP Renewal No. 011-17830-00046 on August 20, 2004. The source has since received the following approval:

- (a) First Administrative Amendment No. 011-20469-00046, issued on February 24, 2005.

County Attainment Status

The source is located in Boone County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective October 19, 2007, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.	

- (a) Ozone Standards

- (1) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.
- (2) On September 6, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Allen, Clark, Elkhart, Floyd, LaPorte, St. Joseph as attainment for the 8-hour ozone standard.
- (3) On November 9, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Boone, Clark, Elkhart, Floyd, LaPorte, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan, Shelby, and St. Joseph as attainment for

the 8-hour ozone standard.

- (4) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Boone County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM2.5**
Boone County has been classified as attainment for PM2.5. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM2.5 emissions. Therefore, until the U.S. EPA adopts specific provisions for PSD review for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions.
- (c) **Other Criteria Pollutants**
Boone County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

This type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, however, there is an applicable New Source Performance Standard that was in effect on August 7, 1980, therefore fugitive emissions are counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Status of the Existing Source

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

Process/Emission Unit	Potential To Emit of the Entire Source (tons/year)							
	PM	PM10	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Aggregate Drying and Batch or Drum Mixing	84.94	90.74	89.33	93.07	16.04	41.15	13.35	4.73 Xylene
Hot Oil Heater	0.14	0.23	4.89	1.38	0.05	0.81	negl.	negl.
Insignificant Combustion Units	0.03	0.05	0.78	0.55	0.02	0.10	negl.	negl.
Conveying/Handling	4.16	1.97	0.0	0.0	0.0	0.0	0.0	0.0
Paved Roads	9.06	1.76	0.0	0.0	0.0	0.0	0.0	0.0
Aggregate Storage	0.74	0.26	0.0	0.0	0.0	0.0	0.0	0.0
Cold-Mix VOC Storage	0.0	0.0	0.0	0.0	78.89	0.0	0.0	0.0
Total PTE of Entire Source	99.07	95.01	95.00	95.00	95.00	42.06	13.35	4.73
Title V Major Source Thresholds	NA	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	NA	NA
negl. = negligible These emissions are based upon TSD for FESOP Renewal No. 011-17830-00046								

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because the unlimited potential to emit HAPs are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by Milestone Contractors, L.P. on February 4, 2008, relating to the modification of the existing aggregate dryer. This modification will involve replacing the existing 115 MMBtu/hr waste oil-fired burner with a new 100 MMBtu/hr dryer burner. The new burner has the capability to use 100 percent waste-oil, natural gas, or No. 2 distillate fuel oil or a combination of coal and support fuel. In addition, the source has requested to remove the existing batch tower from the facility. Finally, the source requested that the FESOP Renewal permit term be extended to ten (10) years.

The following is a list of the new/modified emission units and pollution control devices:

- (a) one (1) drum dryer/mixer, constructed in 1999 and approved for modification to burn coal in 2008, capable of processing 400 tons per hour of raw material, with a hydrocarbon capture system for hydrocarbon emissions control, equipped with one (1) 100 MMBtu per hour dryer burner, using coal, natural gas, No. 2 distillate fuel oil and/or waste-oil, and consisting of one (1) knockout box and one (1) jet pulse baghouse in series for particulate control, exhausting at one (1) stack (ID No. S-1);
- (b) One (1) enclosed coal storage pile
- (c) One (1) coal processing unit consisting of the following:
 - (1) One (1) coal feed bin;
 - (2) One (1) enclosed coal pulverizer; and
 - (3) One (1) pneumatic coal conveyor.

The following is a list of the emission units and pollution control equipment removed from the source:

- (c) one (1) batch tower (enclosed portions of the batch plant), constructed in 1999, processing a maximum of 400 tons per hour of raw material, with fugitive particulate matter emissions from the batch tower controlled by a batch tower fugitive dust capture system which exhausts to the jet pulse baghouse which exhausts at one (1) stack (ID No. S-1). The batch tower consists of the following:
 - (1) one (1) hot elevator;
 - (2) one (1) hot aggregate screen system;
 - (3) five (5) hot aggregate storage bins;
 - (4) one (1) hot aggregate weigh hopper;
 - (5) one (1) 150 gallon hot liquid asphalt weigh bucket; and
 - (6) one (1) pugmill mixer with a maximum hot mix asphalt holding capacity of 12,000 pounds;

Enforcement Issues

There are no pending enforcement actions related to this revision.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – FESOP Revision

The following table is used to determine the appropriate permit level under 326 IAC 2-8.11.1. This table reflects the PTE before controls of the proposed revision. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/Emission Unit	PTE of Proposed Revision (tons/year)							
	PM	PM10*	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Dryer/Mixer	856.57	206.69	318.62	351.28	43.80	523.62	50.45	20.15 (hydrogen chloride)
Coal Unloading/Loading	0.67	0.67	0.0	0.0	0.0	0.0	0.0	0.0
Total PTE of Revision	857.24	207.36	318.62	351.28	43.80	523.62	50.45	20.15 (hydrogen chloride)

* Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant". US EPA has directed states to regulate PM10 emissions as surrogate for PM2.5 emissions.

- (a) This FESOP is being revised through a FESOP Significant Permit Revision pursuant to 326 IAC 2-8-11.1 (f)(1)(G), because the revision has the potential to emit (PTE) greater than or equal to ten tons per year of a single hazardous air pollutant and twenty-five tons per year of any combination of hazardous air pollutants (HAPs).
- (b) This FESOP is being revised through a FESOP Significant Permit Revision pursuant to 326 IAC 2-8-11.1(f)(1)(E)(i), (ii), (iii), and (iv) because the revision has the potential to emit (PTE) greater than or equal to twenty-five (25) tons per year each of PM, PM₁₀, sulfur dioxide (SO₂), nitrogen oxides (NO_x) and volatile organic compounds (VOC).
- (c) This FESOP is being revised through a FESOP Significant Permit Revision pursuant to 326 IAC 2-8-11.1(g)(2) because it involves adjustment to the existing source-wide emissions limitations to maintain the FESOP status of the source (see PTE of the Entire Source After The Issuance of the FESOP Revision Section).

PTE of the Entire Source After Issuance of the FESOP Revision

The table below summarizes the potential to emit of the entire source (reflecting adjustment of existing limits), with updated emissions shown as **bold** values and previous emissions shown as ~~strikethrough~~ values.

Process/Emission Unit	Potential To Emit of the Entire Source (tons/year)							
	PM	PM10	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Aggregate Drying and Batch or Drum Mixing Dryer/Mixer and Fuel Combustion	84.94 215.0	90.74 88.94	89.33 95.00	93.07	16.04 8.80	41.15 95.00	13.35 11.76	4.73 Xylene 9.90 hydrogen chloride
Hot Oil Heater System	0.14 0.0	0.23 0.0	4.89 0.0	1.38 0.0	0.05 1.8E-03	0.81 0.09	negl. 1.8E-03	negl. 1.2E-03 naphthalene
Insignificant Combustion Units	0.03	0.05	0.78	0.55	0.02	0.10	negl.	negl.
Conveying/Handling Material Processing and Handling	4.16 1.78	1.97 0.84	0.0	0.0	0.0	0.0	0.0	0.0
Paved Roads	9.06 8.28	1.76 1.61	0.0	0.0	0.0	0.0	0.0	0.0
Aggregate Storage Material Storage Piles	0.74	0.26	0.0	0.0	0.0	0.0	0.0	0.0
Cold Mix VOC Storage Cold Mix Asphalt Production	0.0	0.0	0.0	0.0	78.89	0.0	0.0	0.0
Asphalt Load-Out and On-Site Yard	0.14	0.14	0.0	0.0	1.36	0.47	0.03	0.01 formaldehyde
Material Screening and Conveying	8.73	3.19	0.0	0.0	0.0	0.0	0.0	0.0
Volatile Organic Liquid Storage Vessels	0.0	0.0	0.0	0.0	negl.	0.0	negl.	negl.
Propane Hand Torch	9.57E-03	9.57E-03	0.0	3.35E-01	1.20E-02	4.55E-02	0.0	0.0
Coal Unloading/Loading	0.064	0.064	0.0	0.0	0.0	0.0	0.0	0.0
Total Fugitive Emissions	19.69	6.06	0.0	0.34	80.26	0.60	0.03	0.01 formaldehyde
Total PTE of Entire Source	99.07 234.74	95.04 95.05	95.00	95.00 93.41	95.00 89.06	42.06 95.60	13.35 11.79	4.73 9.90 hydrogen chloride
Title V Major Source Thresholds	NA	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	NA	NA
negl. = negligible								

The table below summarizes the potential to emit of the entire source after issuance of this revision,

reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this FESOP permit revision, and only to the extent that the effect of the control equipment is made practically enforceable in the permit. (Note: the table below was generated from the above table, with bold text un-bolded and strikethrough text deleted)

Process/Emission Unit	Potential To Emit of the Entire Source (tons/year)							
	PM	PM10	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Dryer/Mixer and Fuel Combustion	215.0	88.94	95.00	93.07	8.80	95.00	11.76	9.90 hydrogen chloride
Hot Oil System	0.0	0.0	0.0	0.0	1.8E-03	0.09	1.8E-03	1.2E-03 naphthalene
Material Processing and Handling	1.78	0.84	0.0	0.0	0.0	0.0	0.0	0.0
Paved Roads	8.28	1.61	0.0	0.0	0.0	0.0	0.0	0.0
Material Storage Piles	0.74	0.26	0.0	0.0	0.0	0.0	0.0	0.0
Cold Mix Asphalt Production	0.0	0.0	0.0	0.0	78.89	0.0	0.0	0.0
Asphalt Load-Out and On-Site Yard	0.14	0.14	0.0	0.0	1.36	0.47	0.03	0.01 formaldehyde
Material Screening and Conveying	8.73	3.19	0.0	0.0	0.0	0.0	0.0	0.0
Volatile Organic Liquid Storage Vessels	0.0	0.0	0.0	0.0	negl.	0.0	negl.	negl.
Propane Hand Torch	9.57E-03	9.57E-03	0.0	3.35E-01	1.20E-02	4.55E-02	0.0	0.0
Coal Unloading/Loading	0.064	0.064	0.0	0.0	0.0	0.0	0.0	0.0
Total Fugitive Emissions	19.69	6.06	0.0	0.34	80.26	0.60	0.03	0.01 formaldehyde
Total PTE of Entire Source	234.74	95.05	95.00	93.41	89.06	95.60	11.79	9.90 hydrogen chloride
Title V Major Source Thresholds	NA	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	NA	NA
negl. = negligible								

(a) FESOP Status

This revision to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP).

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP), the source shall comply with the following:

- (1) Pursuant to 326 IAC 2-8-4, the SO₂ emissions from the dryer/mixer burner shall be limited

as follows:

- (A) The total usage of re-refined waste oil and re-refined waste oil equivalents for the dryer/mixer burner, the hot oil heater, and the space heater shall in no case exceed 1,500,000 gallons or equivalent per twelve (12) consecutive month period, with compliance determined at the end of each month. The re-refined waste oil usage was previously limited to 1,620,499 gallons or equivalent per twelve (12) consecutive month period based on the sulfur content limit of 0.75%.

For the purpose of determining compliance with this limit:

- (i) Every 183.8 million cubic feet of natural gas shall be equivalent to one thousand (1000) gallons of re-refined waste oil. However, the natural gas usage shall in no case exceed 979.7 million cubic feet per twelve (12) consecutive month period.
- (ii) Every 1.40 gallons of No. 2 fuel oil shall be equivalent to one (1) gallon of re-refined waste oil. However, the No. 2 fuel oil usage shall in no case exceed 2,420,382 gallons per twelve (12) consecutive month period.
- (iii) Every 6.13 tons of coal shall be equivalent to one thousand (1000) gallons of re-refined waste oil. However, the coal usage shall in no case exceed 5,305 tons per twelve (12) consecutive month period.
- (B) The sulfur content of the re-refined waste oil shall not exceed 0.75% by weight. Note: this modification did not require a revision to the existing sulfur content for re-refined waste oil.
- (C) The sulfur content of the coal shall not exceed 1.0% by weight.

Compliance with these limits, combined with the potential to emit SO₂ from all other units at this source, will limit the source-wide SO₂ to less than 100 tons per twelve (12) consecutive month period, and render 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable. In addition, compliance with these limits will render 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable to NO_x.

See Appendix A for the detailed calculations.

- (2) Pursuant to 326 IAC 2-8-4, the emissions of PM₁₀, SO₂, CO, and VOC from the dryer/mixer shall be limited as follows:
- (A) The asphalt production rate shall not exceed 550,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (B) PM₁₀ emissions from the dryer/mixer shall not exceed 0.323 pounds of PM₁₀ per ton of asphalt produced.
- (C) SO₂ emissions from the dryer/mixer shall not exceed 0.345 pounds of SO₂ per ton of asphalt produced.
- (D) CO emissions from the dryer/mixer shall not exceed 0.345 pounds of CO per ton of asphalt produced.
- (E) VOC emissions from the dryer/mixer shall not exceed 0.032 pounds of VOC per ton of asphalt produced.

Compliance with these limits, combined with the potential to emit PM₁₀, SO₂, CO, and VOC from all other emission units at this source, will limit the source-wide potential to emit PM₁₀, SO₂, CO, and VOC to less than 100 tons per 12 consecutive month period, each, and render 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable. In addition, compliance with the asphalt and VOC limits will render 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities) not applicable.

See Appendix A for the detailed calculations.

- (3) Pursuant to 326 IAC 2-8-4, the following additional limits shall apply to the source:
- (A) The chlorine content of the re-refined waste oil used in the dryer/mixer burner the hot oil heater, and the space heater shall not exceed two tenths of a percent (0.20%) by weight.
 - (B) The usage of re-refined waste oil used in the dryer/mixer burner the hot oil heater, and the space heater shall be limited to less than 1,500,000 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.
 - (C) The HCl emissions from the dryer/mixer burner shall be limited to less than 13.2 pounds of HCl per 1,000 gallons of re-refined waste oil burned.

Compliance with these limits, combined with the potential to emit HAP from all other emission units at this source, will limit the source-wide potential to emit HCl to less than 10 tons per year and combined HAPs to less than 25 tons per year and render 326 IAC 2-7 (Part 70) and 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP)) not applicable.

See Appendix A for the detailed calculations.

- (4) Gelled asphalt with VOC solvent liquid binder used in the production of cold mix asphalt shall not exceed 3,155.6 tons of VOC solvent per twelve (12) consecutive month period. This is equivalent to limiting the VOC emitted from solvent use to 78.89 tons per twelve (12) consecutive month period, based on the following definition:

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

Note: this revision did not require any changes to this existing VOC limit.

Compliance with this limit, combined with the potential to emit VOC from all other emission units at this source, shall limit the source-wide potential to emit VOC to less than 100 tons per 12 consecutive month period, and render 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

See Appendix A for detailed calculations.

- (b) PSD Minor Source
This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be limited to less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the source shall comply with the following:

- (1) The asphalt production rate shall not exceed 550,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (2) PM emissions from the dryer/mixer shall not exceed 0.782 pounds of PM per ton of asphalt produced.

Compliance with these limits, combined with the potential to emit PM from all other emission units at this source, will limit the source-wide total potential to emit of PM to less than 250 tons per 12 consecutive month period and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

See Appendix A for detailed calculations.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

There are no New Source Performance Standards (NSPS)(40 CFR Part 60) included for this proposed revision. The source shall continue to comply with the applicable federal requirements and permit conditions contained in FESOP Renewal No. F011-17830-00046.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included for this proposed revision. The source shall continue to comply with the applicable federal requirements and permit conditions contained in FESOP Renewal No. F011-17830-00046.

Compliance Assurance Monitoring (CAM)

Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the potential to emit of the source is limited to less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

State Rule Applicability Determination

The following state rules are applicable to the proposed revision:

- (a) 326 IAC 2-8-4 (FESOP)
This revision to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP). See PTE of the Entire Source After Issuance of the FESOP Revision Section above.
- (b) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))
This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will still be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply. See PTE of the Entire Source After Issuance of the FESOP Revision Section above.
- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The unlimited potential to emit of HCl from burning re-refined waste oil in the dryer/mixer burner is greater than ten (10) tons per year. However, the source shall limit the potential to emit of HCl from the dryer/mixer to less than ten (10) tons per year. Therefore, the proposed revision is not subject to the requirements of 326 IAC 2-4.1. See PTE of the Entire Source After Issuance of the

FESOP Revision Section above.

- (d) 326 IAC 7-1.1 (Sulfur Dioxide Emissions Limitations)
 The dryer/mixer burner is subject to 326 IAC 7-1.1 because it has potential SO₂ emissions of greater than 25 tons per year (limited potential emissions are 95.0 tons per year). Pursuant to this rule, sulfur dioxide emissions from the dryer/mixer burner shall be limited as follows:
- (1) Five-tenths (0.5) pounds per MMBtu for distillate oil combustion (including No. 2 fuel oil);
 - (2) One and six-tenths (1.6) pounds per MMBtu heat input for residual oil (including refinery blend fuel oil and waste oil) combustion; and
 - (3) Six and zero-tenths (6.0) pounds per MMBtu for coal combustion or coal and oil simultaneously;
- (e) 326 IAC 8-1-6 (BACT)
 The dryer/mixer has a limited potential to emit of 8.80 tons per year of VOC, based on a limited throughput of 550,000 tons per twelve (12) consecutive month period and a VOC limit of 0.032 pound of VOC per ton of hot mix asphalt produced. Compliance with these limits will render the requirements of 326 IAC 8-1-6 not applicable to the dryer/mixer.

Compliance Determination, Monitoring and Testing Requirements
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- (a) The following compliance determination and compliance monitoring requirements are being added to the FESOP because of this modification:
- The Permittee shall demonstrate that the chlorine content of the fuel used does not exceed two tenths of a percent (0.20%) by weight when operating on re-refined waste oil, by providing vendor analysis of fuel delivered accompanied by a vendor certification.
- (b) The coal loading, unloading, and processing are connected in an enclosed area, thus no compliance monitoring is required.
- (c) The testing requirements applicable to this proposed revision are as follows:

Testing Requirements			
Emission Unit	Pollutant	Timeframe for Testing	Frequency of Testing
Drum Dryer/Mixer	SO ₂	within 180 days after initial startup of the modified dryer burner	At least once every 5 years

In order to demonstrate compliance with 326 IAC 2-2(PSD) and 326 IAC 2-8 (FESOP), the Permittee shall conduct SO₂ testing on the dryer/mixer while burning coal as the primary fuel within one hundred and eighty (180) days after initial startup of the modified dryer burner utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

Proposed Changes

- (a) The following changes listed below are due to the proposed revision. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:
- (1) The source requested that the FESOP Renewal permit term be extended to ten (10) years. On December 16, 2007, rule revisions to 326 IAC 2-1.1-9 and 326 IAC 2-8-4 were finalized allowing for ten (10) year permit terms on FESOP renewals.
 - (a) The expiration date on the cover page has been extended by five (5) years as follows:

Issuance Date: August 20, 2004
Expiration Date: ~~August 20, 2009~~ **August 20, 2014**
 - (b) Condition B.2 has been revised to reflect the ten (10) year permit renewal term.
 - (2) The emission unit and pollution control device descriptions in Sections A.2, A.3, and D.1 have been revised to include the new description of the modified aggregate dryer, enclosed coal storage area, and the existing batch tower has been removed. To provide consistency and clarity throughout the permit the emission unit descriptions for the aggregate dryer and asphalt drum mixer have been combined into one description. In addition the existing aggregate cold feed system and reclaimed asphalt feed system emission unit descriptions have been updated to better reflect the source.
 - (3) To provide consistency and clarity throughout the permit the term, "aggregate dryer" has been revised to drum dryer/mixer. In addition, the terms, "aggregate dryer, mixers, and burner" and "mixing and drying operation" have been revised to dryer/mixer throughout the permit.
 - (4) Due to the modification the existing emission limits and standards, compliance determination, compliance monitoring, and record keeping and reporting requirements found in Section D.1 have been revised to include the following:
 - (a) A new condition has been added to include, the existing NSPS requirements.
 - (b) An annual hot mix production limit.
 - (c) The existing PM and PM10 emissions limit have been revised. In addition, emission limits for SO₂, CO, and VOC were necessary to maintain the FESOP status of the source.
 - (d) Due to this modification, the requirements of 326 IAC 7-1.1-2(a)(1) and (b) (Sulfur dioxide emission limitations) for the combustion of coal and the combustion of coal and oil simultaneously have been included.
 - (e) The existing re-refined waste oil fuel and equivalent usage limits have been revised due to this modification. In addition, a new coal usage and sulfur content limit has been included.
 - (f) The existing natural gas and equivalent usage limits have been removed due to this modification.
 - (g) To maintain the FESOP status of the source, this revision includes new limits for

- the chlorine content of the waste oil, the usage of waste oil in the dryer/mixer, and the HCl emissions from the dryer/mixer. In addition, new compliance determination requirements for HCl emissions and the chlorine content of the waste oil have been included.
- (h) The existing PM/PM10 testing requirements have been revised. In addition, sulfur dioxide testing requirements have been added due to this modification.
 - (i) Due to this modification, new applicable compliance determination requirements for the SO₂ emissions from burning coal or coal and oil simultaneously have been included. In addition, the existing recordkeeping requirements and reporting requirements have been revised.
 - (j) The existing used oil requirements (329 IAC 13-8) have been removed from the permit.
- (5) Section D.3 has been removed from the permit, since the storage tanks are no longer subject to the record keeping requirements of 40 CFR 60.116(b), paragraphs (a) and (b), as amended in the October 15, 2003 Federal Register and subsequently incorporated into 326 IAC 1-1-3.
 - (6) The FESOP Quarterly Reports have been revised to reflect the new limits. In addition, a new Quarterly Report has been added for asphalt production.

...

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) ~~aggregate~~ **drum dryer/mixer**, constructed in 1999 **and approved for modification to burn coal in 2008**, capable of processing 400 tons per hour of raw material, **with a hydrocarbon capture system for hydrocarbon emissions control**, equipped with one (1) 415 million (MM) British thermal units (Btu) per hour waste oil-fired **100 MMBtu per hour dryer** burner, using **coal**, natural gas, and No. 2 distillate fuel oil **and/or re-refined waste-oil as back-up fuels, with and consisting of** one (1) knockout box and one (1) jet pulse baghouse in series for particulate control, exhausting at one (1) stack (ID No. S-1);
- ~~(b) one (1) asphalt drum mixer, constructed in 1999, capable of processing 400 tons per hour of raw material, with a hydro carbon capture system for hydrocarbon emissions control, exhausting to the aggregate dryer, and one (1) jet pulse baghouse for particulate control, exhausting at one (1) stack (ID No. S-1);~~
- ~~(c) one (1) batch tower (enclosed portions of the batch plant), constructed in 1999, processing a maximum of 400 tons per hour of raw material, with fugitive particulate matter emissions from the batch tower controlled by a batch tower fugitive dust capture system which exhausts to the jet pulse baghouse which exhausts at one (1) stack (ID No. S-1). The batch tower consists of the following:
 - ~~(7) one (1) hot elevator;~~
 - ~~(8) one (1) hot aggregate screen system;~~
 - ~~(9) five (5) hot aggregate storage bins;~~
 - ~~(10) one (1) hot aggregate weigh hopper;~~
 - ~~(11) one (1) 150 gallon hot liquid asphalt weigh bucket; and~~
 - ~~(12) one (1) pugmill mixer with a maximum hot mix asphalt holding capacity of 12,000 pounds;~~~~
- (db) cold-mix (stockpile mix) asphalt storage piles;

- (ec) two (2) 22,000 gallon liquid asphalt storage tanks, identified as Tanks 22 and 23, constructed in 1999, and one (1) 20,000 gallon liquid asphalt storage tank, identified as Tank 27, constructed in 2003; and
- (fd) one (1) 20,000 gallon fuel oil storage tank (ID Tank No. 25), constructed in 1999.

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

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

...

- (k) One (1) aggregate cold feed system consisting of:

- (1) ~~six eight (68)~~ aggregate feed bins;
- (2) ~~six eight (68)~~ feeder conveyors;

...

- (l) One (1) Reclaimed Asphalt Pavement (RAP) feed system consisting of:

- (1) ~~one two (42)~~ RAP feed bins and ~~one two (42)~~ feeder conveyors;
- (2) one (1) lump breaker system with one (1) ~~access collector~~ conveyor; and

...

- (r) **One (1) enclosed coal storage pile**

- (s) **One (1) coal processing unit consisting of the following:**

- (1) **One (1) coal feed bin;**
- (2) **One (1) enclosed coal pulverizer; and**
- (3) **One (1) pneumatic coal conveyor.**

...

SECTION D.1 FACILITY OPERATION CONDITIONS

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

- (a) ~~one (1) aggregate dryer, constructed in 1999, capable of processing 400 tons per hour of raw material, equipped with one (1) 115 million (MM) British thermal units (Btu) per hour waste oil-fired burner, using natural gas and No. 2 distillate fuel oil as back-up fuels, with one (1) knockout box and one (1) jet pulse baghouse in series for particulate control, exhausting at one (1) stack (ID No. S-1);~~
- (b) ~~one (1) asphalt drum mixer, constructed in 1999, capable of processing 400 tons per hour of raw material, with a hydro carbon capture system for hydrocarbon emissions control, exhausting to the aggregate dryer, and one (1) jet pulse baghouse for particulate control, exhausting at one (1) stack (ID No. S-1);~~
- (c) ~~one (1) batch tower (enclosed portions of the batch plant), constructed in 1999, processing a maximum of 400 tons per hour of raw material, with fugitive particulate matter emissions from the batch tower controlled by a batch tower fugitive dust capture system which exhausts to the jet pulse baghouse which exhausts at one (1) stack (ID No. S-1). The batch tower consists of the following:~~
 - (1) ~~one (1) hot elevator;~~
 - (2) ~~one (1) hot aggregate screen system;~~

- ~~_____ (3) five (5) hot aggregate storage bins;~~
- ~~_____ (4) one (1) hot aggregate weigh hopper;~~
- ~~_____ (5) one (1) 150 gallon hot liquid asphalt weigh bucket; and~~
- ~~_____ (6) one (1) pugmill mixer with a maximum hot mix asphalt holding capacity of 12,000 pounds;~~

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

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

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

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

~~D.1.2 Particulate Matter (PM) [326 IAC 12][40 CFR 60.90, Subpart I][326 IAC 2-2]~~

~~Pursuant to 326 IAC 12, (40 CFR Part 60.90, Subpart I) "Standards of Performance for Hot Mix Asphalt Facilities", the particulate matter emissions from the mixing and drying operations shall be limited to 0.04 grains per dry standard cubic foot (gr/dscf). This is equivalent to a particulate matter emission rate of 19.39 pounds per hour. Based on 8,760 hours of operation per 12 consecutive month period, this limits PM emissions from the mixing and drying operations to 84.94 tons per year for a source-wide total potential to emit of less than 250 tons per year. Therefore, this limit will also render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.~~

~~D.1.3 Opacity [326 IAC 12][40 CFR 60.90, Subpart I]~~

~~Pursuant to 326 IAC 12, (40 CFR Part 60.92, Subpart I) "Standards of Performance for Hot Mix Asphalt Facilities", the mixing and drying operations shall not discharge or cause the discharge into the atmosphere any gases which exhibit 20% opacity or greater.~~

~~D.1.4 Particulate Matter 10 Microns (PM-10) [326 IAC 2-8-4][326 IAC 2-2]~~

~~Pursuant to 326 IAC 2-8-4, particulate matter 10 microns emissions from the aggregate mixing and drying operation shall not exceed 0.052 pound of PM-10 per ton of asphalt mix. This is equivalent to a PM-10 emission limit of 20.72 pounds per hour, including both filterable and condensable fractions based on a maximum throughput of 400 tons of asphalt mix per hour. Based on 8,760 hours of operation per 12 consecutive month period, this limits PM-10 emissions from the aggregate mixing and drying operation to 90.74 tons per year for a source-wide total potential to emit of less than 100 tons per year. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply. This limit will also render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.~~

~~D.1.5 Sulfur Dioxide (SO₂) [326 IAC 7-1.1]~~

~~Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide emissions from the 115.0 million Btu per hour burner for the aggregate dryer shall be limited to:~~

- ~~(a) 1.6 pounds per MMBtu heat input or a sulfur content of less than or equal to 1.5% when using waste oil. The source has accepted a sulfur content limit of 0.75 percent for re-refined waste oil; and~~
- ~~(b) 0.5 pounds per million Btu heat input or a sulfur content of less than or equal to 0.5% when using distillate oil.~~
- ~~(c) Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.~~

~~D.1.6 Re-refined Waste Oil and Equivalent Usage [326 IAC 2-8-4][326 IAC 2-2]~~

~~Pursuant to 326 IAC 2-8-4(1), the following limits shall apply:~~

- ~~(a) the sulfur content of the re-refined waste oil used in the 115 MMBtu per hour burner for the aggregate dryer shall not exceed 0.75 percent.~~
- ~~(b) the usage of re-refined waste oil with a sulfur content of 0.75% and re-refined waste oil equivalents in the 115 MMBtu per hour burner for the aggregate dryer shall be limited to 1,620,499 U.S. gallons per twelve (12) consecutive month period, with compliance determined at the end of each month, so that source-wide SO₂ emissions are limited below 100 tons per year.~~
- ~~(c) For purposes of determining compliance, the following shall apply:
 - ~~(1) every MMBtu of natural gas burned shall be equivalent to 5.4 gallons of re-refined waste oil based on SO₂ emissions, such that the total gallons of re-refined waste oil and re-refined waste oil equivalent input does not exceed the limit specified; and~~
 - ~~(2) every 1,000 gallons of No. 2 distillate fuel oil burned shall be equivalent to 712 gallons of re-refined waste oil based on SO₂ emissions, such that the total gallons of re-refined waste oil and re-refined waste oil equivalent input does not exceed the limit specified.~~~~

~~Therefore, the requirements of 326 IAC 2-7 will not apply. This limit will also render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.~~

~~D.1.7 Natural Gas and Equivalent Usage [326 IAC 2-8-4] [326 IAC 2-1.1-5]~~

~~Pursuant to 326 IAC 2-8-4(1), the following limits shall apply:~~

- ~~(a) the usage of natural gas and natural gas equivalents in the 115 MMBtu per hour burner for the aggregate dryer shall be limited to 979.7 million cubic feet (MMcf) per twelve (12) consecutive month period, with compliance determined at the end of each month, so that source-wide NO_x emissions are limited to 95 tons per year.~~
- ~~(b) For purposes of determining compliance, the following shall apply:
 - ~~(1) every 1,000 gallons of No. 2 distillate fuel oil burned shall be equivalent to 0.1263 MMcf of natural gas based on NO_x emissions and 0.5 percent sulfur content of the fuel oil, such that the total input of natural gas and natural gas equivalent input does not exceed the limit specified.~~
 - ~~(2) every 1,000 gallons of re-refined waste oil burned shall be equivalent to 0.10 MMcf of natural gas based on NO_x emissions and 0.75 percent sulfur content of the fuel oil, such that the total input of natural gas and natural gas equivalent input does not exceed the limit specified.~~~~

~~Therefore, the requirements of 326 IAC 2-7 will not apply. Compliance with this limit also makes Nonattainment NSR not applicable.~~

~~D.1.8 Preventive Maintenance Plan [326 IAC 2-8-4(9)]~~

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

Compliance Determination Requirements

~~D.1.9 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]~~

- ~~(a) During the period between July, 2005 and December, 2005, in order to demonstrate compliance with Conditions D.1.2, D.1.3, and D.1.4, the Permittee shall perform PM and PM-10 testing on the mixing and drying operations exhausting through stack S-1 utilizing methods as approved by the Commissioner. PM-10 includes filterable and condensable PM-10.~~
- ~~(b) Opacity testing utilizing 40 CFR Part 60 Appendix A, Method 9, to demonstrate compliance with the opacity limitation of Condition D.1.3.~~

~~This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.~~

~~D.1.10 Sulfur Dioxide Emissions and Sulfur Content~~

~~Compliance with conditions D.1.5, D.1.6, and D.1.7 shall be determined utilizing one of the following options.~~

- ~~(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per million Btu heat input when burning No. 2 distillate fuel oil and 1.6 pounds per million Btu heat input when burning re-refined waste oil 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 115 MMBtu per hour burner for the aggregate dryer, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.~~

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

~~D.1.11 Particulate Control~~

~~In order to comply with conditions D.1.2, D.1.3, and D.1.4, the baghouse for particulate control shall be in operation and control emissions from the mixing and drying operation at all times when mixing and drying are in operation.~~

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

~~D.1.12 Visible Emissions Notations~~

- ~~(a) Visible emission notations of the aggregate dryer, mixers, and burner baghouse stack exhaust and the conveying, material transfer points, and screening shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.~~

- ~~(b) For processes operated continuously, "normal" means those conditions prevailing, or~~

~~expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut-down time.~~

- ~~(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.~~
- ~~(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.~~
- ~~(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records and Reports shall be considered a deviation from this permit.~~

D.1.13 Parametric Monitoring

~~The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the aggregate dryer, mixers, and burner, at least once per shift when the aggregate dryer, mixers, and burner are in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records and Reports shall be considered a deviation from this permit.~~

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

D.1.14 Baghouse Inspections

~~An inspection shall be performed each calendar quarter of all bags controlling the aggregate dryer, mixers, and burner when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting indoors. All defective bags shall be replaced.~~

D.1.15 Broken or Failed Bag Detection

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

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

- ~~(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).~~

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

~~D.1.16 Record Keeping Requirements~~

- ~~(a) To document compliance with Conditions D.1.5, D.1.6, and D.1.7, the Permittee shall maintain records in accordance with (1) through (7) below.~~

- ~~(1) Calendar dates covered in the compliance determination period;~~
~~(2) Actual re-refined waste oil and re-refined waste oil equivalent usage per month since last compliance determination period and equivalent SO₂ emissions;~~
~~(3) Actual natural gas and natural gas equivalent usage per month since last compliance determination period and equivalent NO_x emissions;~~
~~(4) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and~~

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

- ~~(5) Fuel supplier certifications.~~
~~(6) The name of the fuel supplier; and~~
~~(7) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.~~

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

- ~~(b) The Permittee shall maintain records sufficient to verify compliance with the procedures specified in condition D.1.10(a)(2) or D.1.10(b) if applicable. Records shall be maintained for a period of five (5) years and shall be made available upon request by IDEM.~~
- ~~(c) To document compliance with Condition D.1.12, the Permittee shall maintain records of visible emission notations of the aggregate dryer, mixers, and burner baghouse stack exhaust and the conveying, material transfer points, and screening once per shift.~~
- ~~(d) To document compliance with Condition D.1.13, the Permittee shall maintain records once per shift of the total static pressure drop during normal operation when venting to the atmosphere.~~
- ~~(e) To document compliance with Condition D.1.14, the Permittee shall maintain records of the results of the inspections required under Condition D.1.14.~~
- ~~(f) To document compliance with Condition D.1.8, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

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

~~D.1.17 Reporting Requirements~~

~~A quarterly summary of the information to document compliance with Conditions D.1.6 and D.1.7 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

~~D.1.18 Used Oil Requirements [326 IAC 13-8]~~

~~The waste oil burned in the 115 MMBtu per hour burner for the aggregate dryer shall comply with the used oil requirements specified in 329 IAC 13 (Used Oil Management). Pursuant to 329 IAC 13-3-2 (Used Oil Specifications), used oil burned for energy recovery that is classified as off-specification used oil fuel shall comply with the provisions of 329 IAC 13-8 (Used Oil Burners Who Burn Off-specification Used Oil For Energy Recovery), including:~~

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

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

...

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) one (1) drum dryer/mixer, constructed in 1999 and approved for modification to burn coal in 2008, capable of processing 400 tons per hour of raw material, with a hydrocarbon capture system for hydrocarbon emissions control, equipped with one (1) 100 MMBtu per hour dryer burner, using coal, natural gas, No. 2 distillate fuel oil and/or re-refined waste-oil, and consisting of one (1) knockout box and one (1) jet pulse baghouse in series for particulate control, exhausting at one (1) stack (ID No. S-1);**

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

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

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

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

D.1.2 NSPS Subpart I Requirements [326 IAC 12] [40 CFR 60.90, Subpart I]

- (a) Pursuant to 326 IAC 12, (40 CFR Part 60.92, Subpart I) "Standards of Performance for Hot Mix Asphalt Facilities", the dryer/mixer shall not discharge or cause the discharge into the atmosphere any gases which exhibit 20% opacity or greater.**
- (b) Pursuant to 326 IAC 12, (40 CFR Part 60.90, Subpart I) "Standards of Performance for Hot Mix Asphalt Facilities", the particulate matter emissions from the**

dryer/mixer shall be limited to 0.04 grains per dry standard cubic foot (gr/dscf).

D.1.3 Particulate Matter (PM) [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the source shall comply with the following:

- (a) The asphalt production rate shall not exceed 550,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.**
- (b) PM emissions from the dryer/mixer shall not exceed 0.782 pounds of PM per ton of asphalt produced.**

Compliance with these limits, combined with the potential to emit PM from all other emission units at this source, will limit the source-wide total potential to emit of PM to less than 250 tons per 12 consecutive month period and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

D.1.4 FESOP Limits [326 IAC 2-8-4][326 IAC 2-2] [326 IAC 8-1-6]

Pursuant to 326 IAC 2-8-4, the emissions of PM₁₀, SO₂, CO, and VOC shall be limited as follows:

- (a) The asphalt production rate shall not exceed 550,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.**
- (b) PM₁₀ emissions from the dryer/mixer shall not exceed 0.323 pounds of PM₁₀ per ton of asphalt produced.**
- (c) SO₂ emissions from the dryer/mixer shall not exceed 0.345 pounds of SO₂ per ton of asphalt produced.**
- (d) CO emissions from the dryer/mixer shall not exceed 0.345 pounds of CO per ton of asphalt produced.**
- (e) VOC emissions from the dryer/mixer shall not exceed 0.032 pounds of VOC per ton of asphalt produced.**

Compliance with these limits, combined with the potential to emit PM₁₀, SO₂, CO, and VOC from all other emission units at this source, will limit the source-wide potential to emit PM₁₀, SO₂, CO, and VOC to less than 100 tons per 12 consecutive month period, each, and render 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable. In addition, compliance with the asphalt and VOC limits will render 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities) not applicable.

D.1.5 Fuel Usage Limitations for SO₂ [326 IAC 2-8-4][326 IAC 2-2]

Pursuant to 326 IAC 2-8-4, the SO₂ emissions from the dryer/mixer burner shall be limited as follows:

- (a) The total usage of re-refined waste oil and re-refined waste oil equivalents for the dryer/mixer burner, the hot oil heater, and the space heater shall in no case exceed 1,500,000 gallons or equivalent per twelve (12) consecutive month period, with compliance determined at the end of each month.**

For the purpose of determining compliance with this limit:

- (1) Every 183.8 million cubic feet of natural gas shall be equivalent to one thousand (1000) gallons of re-refined waste oil. However, the natural gas usage shall in no case exceed 979.7 million cubic feet per twelve (12) consecutive month period.
 - (2) Every 1.40 gallons of No. 2 fuel oil shall be equivalent to one (1) gallon of re-refined waste oil. However, the No. 2 fuel oil usage shall in no case exceed 2,420,382 gallons per twelve (12) consecutive month period.
 - (3) Every 6.13 tons of coal shall be equivalent to one thousand (1000) gallons of re-refined waste oil. However, the coal usage shall in no case exceed 5,305 tons per twelve (12) consecutive month period.
- (b) The sulfur content of the re-refined waste oil shall not exceed 0.75% by weight.
- (c) The sulfur content of the coal shall not exceed 1.0% by weight.

Compliance with these limits, combined with the potential to emit SO₂ from all other units at this source, will limit the source-wide SO₂ to less than 100 tons per twelve (12) consecutive month period, and render 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable. In addition, compliance with these limits will render 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable to NO_x.

D.1.6 Hazardous Air Pollutants (HAPs) [326 IAC 2-8-4] [326 IAC 2-4.1]

Pursuant to 326 IAC 2-8-4, the following additional limits shall apply to the source:

- (a) The chlorine content of the re-refined waste oil used in the dryer/mixer burner, the hot oil heater, and the space heater shall not exceed two-tenths of a percent (0.20%) by weight.
- (b) The usage of re-refined waste oil used in the dryer/mixer burner, the hot oil heater, and the space heater shall be limited to less than 1,500,000 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (c) The HCl emissions from the dryer/mixer burner shall be limited to less than 13.2 pounds of HCl per 1,000 gallons of re-refined waste oil burned.

Compliance with these limits, combined with the potential to emit HAP from all other emission units at this source, will limit the source-wide potential to emit HCl to less than 10 tons per twelve (12) consecutive month period and combined HAPs to less than 25 tons per twelve (12) consecutive month period and render 326 IAC 2-7 (Part 70) and 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP)) not applicable.

D.1.7 Sulfur Dioxide (SO₂) [326 IAC 7-1.1]

Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide emissions from the dryer/mixer burner shall be limited as follows:

- (a) One and six-tenths (1.6) pounds per MMBtu heat input when using residual oil (including refinery blend oil and waste oil).
- (b) Five-tenths (0.5) pounds per MMBtu heat input when using distillate oil (including

No. 2 fuel oil); and

- (c) **Six and zero-tenths (6.0) pounds per MMBtu heat input when using coal or coal and oil simultaneously.**
- (d) **Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.**

D.1.8 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

D.1.9 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

- (a) **In order to demonstrate compliance with Conditions D.1.2, D.1.3, and D.1.4, the Permittee shall perform PM and PM-10 testing on the dryer/mixer exhausting through stack S-1 utilizing methods as approved by the Commissioner. PM-10 includes filterable and condensable PM-10.**
- (b) **Opacity testing utilizing 40 CFR Part 60 Appendix A, Method 9, to demonstrate compliance with the opacity limitation of Condition D.1.2.**
- (c) **In order to demonstrate compliance with D.1.4(c), the Permittee shall conduct SO₂ testing on the dryer/mixer while burning coal as the primary fuel within one hundred and eighty (180) days after initial startup of the modified dryer burner utilizing methods as approved by the Commissioner.**

These tests shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

D.1.10 Hydrogen Chloride (HCl) Emissions and Chlorine Content

In order to comply with Conditions D.1.6(a) and (c), the Permittee shall demonstrate that the chlorine content of the fuel used for the dryer/mixer burner does not exceed two-tenths of a percent (0.20%) by weight, when operating on re-refined waste oil, by providing a vendor analysis of fuel delivered accompanied by a vendor certification.

D.1.11 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Conditions D.1.5(b) and D.1.7(a) and (b), shall be determined utilizing one of the following options:

- (a) **Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per MMBtu heat input when using No. 2 distillate fuel oil and one and six-tenths (1.6) pounds per MMBtu heat input when using re-refined waste oil 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 dryer/mixer, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

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

Compliance with conditions D.1.5(c) and D.1.7(c), shall be determined utilizing the following options:

(c) Pursuant to 326 IAC 7-2, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed six and zero-tenths (6.0) pounds per MMBtu when using coal or coal and oil simultaneously by:

(1) Providing vendor analysis of coal delivered, if accompanied by a certification from the fuel supplier as described under 40 CFR 60.48c(f)(3). The certification shall include:

(A) The name of the coal supplier; and

(B) The location of the coal when the sample was collected for analysis to determine the properties of the coal, specifically including whether the coal was sampled as delivered to the affected facility or whether the coal was collected from coal in storage at the mine, at a coal preparation plant, at a coal supplier's facility, or at another location. The certification shall include the name of the coal mine (and coal seam), coal storage facility, or coal preparation plant (where the sample was collected); and

(C) The results of the analysis of the coal from which the shipment came (or of the shipment itself) including the sulfur content, moisture content, ash content, and heat content; and

(D) The methods used to determine the properties of the coal; and

(d) Sampling and analyzing the coal using one of the following procedures:

(1) Minimum Coal Sampling Requirements and Analysis Methods:

(A) The coal sample acquisition point shall be at a location where representative samples of the total coal flow to be combusted by the facility or facilities may be obtained. A single as-bunkered or as-burned sampling station may be used to represent the coal to be combusted by multiple facilities using the same stockpile feed system;

(B) Coal shall be sampled at least one (1) time per day;

(C) Minimum sample size shall be five hundred (500) grams;

- (D) **Samples shall be composited and analyzed at the end of each calendar quarter;**
- (E) **Preparation of the coal sample, heat content analysis, and sulfur content analysis shall be determined pursuant to 326 IAC 3-7-2(c), (d), (e); or**
- (F) **Sample and analyze the coal pursuant to 326 IAC 3-7-3; or**
- (e) **Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the dryer/mixer, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6, which is conducted with such frequency as to generate the amount of information required by (a) or (b) above. [326 IAC 7-2-1(b)]**

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

D.1.12 Particulate Control

- (a) **In order to comply with conditions D.1.2, D.1.3, and D.1.4, the baghouse for particulate control shall be in operation and control emissions from the dryer/mixer at all times when the dryer/mixer is 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.1.13 Visible Emissions Notations

- (a) **Visible emission notations of the dryer/mixer baghouse stack 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.1.14 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouse used in conjunction with the dryer/mixer, at least once per day when the dryer/mixer is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions 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.1.15 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For a single compartment baghouses controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit 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 emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

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

D.1.16 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.5, D.1.6, and D.1.7, the Permittee shall maintain records in accordance with (1) through (7) below.
 - (1) Calendar dates covered in the compliance determination period;
 - (2) Actual fuel usage for each type of fuel per month since the last compliance determination period and equivalent SO₂ and HCl emissions. Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period;
 - (3) Sulfur content, heat content, and ash content of the coal;
 - (4) A certification, signed by the owner or operator, that the records of the fuel

**supplier certifications represent all of the fuel combusted during the period;
and**

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

- (5) Fuel supplier certifications.**
- (6) The name of the fuel supplier; and**
- (7) A statement from the fuel supplier that certifies the sulfur content of the fuel oil, or re-refined waste oil, and a statement from the fuel supplier that certifies the chlorine content of the re-refined waste oil.**

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

- (b) To document compliance with Conditions D.1.3(a) and D.1.4(a), the Permittee shall keep records of the amount of hot mix asphalt produced per month. Records maintained shall be complete and sufficient to establish compliance with Conditions D.1.3(a) and D.1.4(a).**
- (c) The Permittee shall maintain records sufficient to verify compliance with the procedures specified in Conditions D.1.11(a)(2) or D.1.11(b) and D.1.11(if applicable). Records shall be maintained for a period of five (5) years and shall be made available upon request by IDEM.**
- (d) To document compliance with Condition D.1.13, the Permittee shall maintain records of visible emission notations of the dryer/mixer baghouse stack once per day. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).**
- (e) To document compliance with Condition D.1.14, the Permittee shall maintain records once per day of the pressure drop during normal operation. The Permittee shall include in its daily record when the pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).**
- (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.**

D.1.17 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.3(a), D.1.4(a), D.1.5, and D.1.6(b), shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

(db) cold-mix (stockpile mix) asphalt storage piles;

...
D.2.1 Volatile Organic Compound (VOC) [326 IAC 8-5-2] [326 IAC 2-8-4][326 IAC 2-2] [326 IAC 2-1.1-5]

...
This limit will also render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable. Compliance with this limit also makes Nonattainment NSR not applicable. **Compliance with this limit, combined with the potential to emit VOC from all other emission units at this source, shall limit the source-wide potential to emit VOC to less than 100 tons per 12 consecutive month period, and render 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.**

...
SECTION D.3 FACILITY OPERATION CONDITIONS

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

(e) two (2) 22,000 gallon liquid asphalt storage tanks, identified as Tanks 22 and 23, constructed in 1999, and one (1) 20,000 gallon liquid asphalt storage tank, identified as Tank 27, constructed in 2003; and

(f) one (1) 20,000 gallon fuel oil storage tank (ID Tank No. 25), constructed in 1999.

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

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

D.3.1 Record Keeping Requirements [326 IAC 12][40 CFR 60.110b, Subpart Kb]

(a) Pursuant to 326 IAC 12, 40 CFR Part 60.110b, Subpart Kb (Standards of Performance for Volatile Organic Liquid Storage Vessels), the two (2) 22,000 gallon liquid asphalt storage tanks, the one (1) 20,000 gallon liquid asphalt storage tank, and the one (1) 20,000 gallon fuel oil storage tank, each with a vapor pressure of less than 15.0 kPa, are subject to 40 CFR Part 60.116b, paragraphs (a) and (b) which require record keeping.

(b) To document compliance with paragraph (a) above, the Permittee shall keep readily accessible records for the life of each storage tank showing the dimension and capacity of each storage tank.

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

...
FESOP Quarterly Report

Source Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, Indiana 46075
Mailing Address: 5950 S. Belmont Avenue, P.O. Box 421459, Indianapolis, Indiana 46242-1459
46217

FESOP No.: F011-17830-00046
Facility: 145100 MMBtu/hr aggregate dryer/mixer burner
Parameter: Sulfur Dioxide (SO₂)
Limit: the usage of re-refined waste oil with a sulfur content of 0.75% and re-refined waste oil equivalents in the 115 MMBtu per hour burner for the aggregate dryer

shall be limited to 1,620,499 U.S. gallons per twelve (12) consecutive month period, with compliance determined at the end of each month, so that source-wide SO₂ emissions are limited below 100 tons per year. For purposes of determining compliance with this limit, the fuel equivalency ratios in condition D.1.6(c) shall be used. **The total usage of re-refined waste oil and re-refined waste oil equivalents for the dryer/mixer burner, the hot oil heater, and the space heater shall in no case exceed 1,500,000 gallons or equivalent per twelve (12) consecutive month period, with compliance determined at the end of each month.**

For the purpose of determining compliance with this limit:

- (1) Every 183.8 million cubic feet of natural gas shall be equivalent to one thousand (1000) gallons of re-refined waste oil.
- (2) Every 1.40 gallons of No. 2 fuel oil shall be equivalent to one (1) gallon of re-refined waste oil.
- (3) Every 6.13 tons of coal shall be equivalent to one thousand (1000) gallons of re-refined waste oil.

The sulfur content of the re-refined waste oil shall not exceed 0.75% by weight and The sulfur content of the coal shall not exceed 1.0% by weight.

...

FESOP Quarterly Report

Source Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, Indiana 46075
Mailing Address: 5950 S. Belmont Avenue, P.O. Box 421459, Indianapolis, Indiana 46242-1459
FESOP No.: F011-17830-00046
Facility: 115 MMBtu/hr aggregate dryer burner
Parameter: Oxides of Nitrogen (NO_x)
Limit: the usage of natural gas and natural gas equivalents in the 115 MMBtu per hour burner for the aggregate dryer shall be limited to 979.7 million cubic feet (MMcf) per twelve (12) consecutive month period, with compliance determined at the end of each month, so that source-wide NO_x emissions are limited to 95 tons per year. For purposes of determining compliance with this limit, the fuel equivalency ratios in condition D.1.7(b) shall be used.

...

FESOP Quarterly Report

Source Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, Indiana 46075
Mailing Address: 5950 S. Belmont Avenue, Indianapolis, Indiana 46217
FESOP No.: F011-17830-00046
Facility: One (1) drum dryer/mixer
Parameter: Hot mix asphalt production
Limit: 550,000 tons per twelve (12) consecutive month period, with compliance determined at the end of each month

...

(b) Upon further review, IDEM, OAQ has decided to make the following changes to the permit. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

- (1) All occurrences of IDEM's mailing addresses have been updated in the permit. Any occurrences of P.O. Box 6015 in the permit have been removed, any occurrences of the zip code 46206-6015 or 46204 have been revised to **46204-2251**, and all addresses have been revised to include a mail code (MC) as follows:

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

- (2) The source description in Section A.1 has been revised to indicate the source no longer performs batch mixing.
- (3) IDEM has begun implementing a new procedure and will no longer list the name or title of the Authorized Individual (A.I.) in the permit document.
- (4) Section A.1 is revised to indicate that Boone County is attainment for the 8-hour ozone standard. In addition, Section A.1 is revised to indicate that the source is not 1 of the 28 listed source categories, as specified in 326 IAC 2-2-1(gg)(1). In addition, the source's mailing address has been updated throughout the permit.
- (5) Original Condition A.5 (Prior Permits Superseded) has been revised and moved to Section B.
- (6) Original Condition B.1 (Permit No Defense) has been moved to the cover page of the permit.
- (7) To clarify the permit term and the term of the conditions, original Conditions B.3 – Permit Term, and B.16 – Permit Renewal have been modified. Additionally, a new Section B condition, B.3 – Term of Conditions has been added.
- (8) IDEM has rearranged the permit conditions such that original Condition B.5 – Termination of Right to Operate is now Condition B.14.
- (9) 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 original Condition B.12 – Preventive Maintenance Plan and has amended original Condition B.13 – Emergency Provisions.
- (10) For clarification purposes, original Condition B.18 – Operational Flexibility has been revised.
- (11) Indiana has incorporated the credible evidence provision in 326 IAC 1-1-6. This rule became effective on March 16, 2005; therefore, the condition reflecting this rule will be incorporated into the permit as condition B.24.
- (12) Revisions to 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes) became effective on June 12, 2002 and were approved into the State Implementation Plan on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 that had been part of the SIP; therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this source. Original Condition C.1 – Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour has been revised to remove (1) which contained these requirements.

- (13) 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.
- (14) IDEM realizes that the specifications of original Condition 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 original Condition C.14 has been revised.
- (15) IDEM has reconsidered the requirement to develop and follow a Compliance Response Plan (original Condition C.16). 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, original Condition C.16 for the “Compliance Response Plan” has been replaced by Condition C.16 for the “Response to Excursions or Exceedances”. The Section D conditions that refer to this condition have been revised to reflect the new condition title (Refer to the changes in the section of Proposed Changes).
- (16) All occurrences of the Compliance Data Branch telephone and facsimile numbers have been revised to 317-233-~~5674~~ **0178** and 317-233-~~5967~~ **6865**, respectively.
- (17) Original Condition C.9(g) is revised to remove the statement that the requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable, since all conditions and requirements in a FESOP are federally enforceable.
- (18) Upon further review, IDEM has determined that once per day visible emission notations and once per day monitoring of the control device is generally sufficient to ensure proper operation of the emission units and control devices. Therefore, the monitoring frequency has been changed from once per shift to once per day in the revised permit.
- (19) For multi-compartment baghouses, the permit will not specify what actions the Permittee needs to take in response to a broken bag. Therefore, a requirement has been added to the Section D.1.13 – Particulate Control condition (original Condition D.1.11) requiring the Permittee to notify IDEM if a broken bag is detected and the control device will not be repaired for more than ten (10) days. This notification allows IDEM to take any appropriate actions if the emission unit will continue to operate for a long period of time while the control device is not operating in optimum condition..
- (20) Paragraph (a) of the Section D.1.17 – Broken or Failed Baghouse conditions (original Conditions D.1.15(a) and (b)) have been deleted and replaced with a conditions specific to single compartment baghouses which control emissions from continuously operating and batch processes
- (21) Conditions D.1.18(d) and (e) (Record Keeping Requirements for Visible Emission Notations and Parametric Monitoring) are revised to clarify that the Permittee needs to make a record of some sort every day. The intent of Record Keeping Requirements for Visible Emission Notations and Parametric Monitoring is that the Permittee needs to make a record of some sort every day. An example for Visible Emission Notations would be "normal" or "abnormal". Additionally, if Visible Emission Notations were not done on a particular day, the Permittee needs to specify the reason why the observation was not

done. An example of this record would be "the unit was not operating" or "the unit was venting indoors".

Cover Page:

...

(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 or~~ denial of a permit renewal application. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

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

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

...

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

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

Authorized individual: ~~_____~~ Ron Terrell, VP Plants
Source Address: 4312 Whitelick Drive, Whitestown, Indiana 46075
Mailing Address: 5950 S. Belmont Avenue, ~~P.O. Box 421459~~ Indianapolis, Indiana
~~46242-1459~~ **46217**
General Source Phone: 317-769-6028
SIC Code: 2951
County Location: Boone
Source Location Status: ~~Nonattainment for ozone under the 8-hour standard~~
~~Attainment for all other criteria pollutants~~
Source Status: Federally Enforceable State Operating Permit (FESOP)
Minor Source, under PSD Rules and ~~Nonattainment NSR and~~
Emission Offset Rules;
Minor Source, Section 112 of the Clean Air Act
Not 1 of 28 Source Categories

...

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 not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.

(b) — For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1 when furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

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

~~contain a schedule for expeditious compliance with the applicable requirement.~~

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

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

~~B.11 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]~~

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

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

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

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

~~B.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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

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

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

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

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

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

~~Any operations shall continue no longer than the minimum time required to prevent the situations~~

identified in (g)(2)(B) of this condition.

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

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

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

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

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does need to be included in this report.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

~~Any such application shall be certified by the “authorized individual” as defined by 326 IAC~~

~~2-1.1-1(1).~~

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

~~B.18 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]~~

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

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

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

~~and~~

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

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

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

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

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

~~The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.~~

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

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

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

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

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

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

~~(a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.~~

~~(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:~~

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

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

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

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

- ~~(a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.~~
- ~~(b) Failure to pay may result in administrative enforcement action, or revocation of this permit.~~
- ~~(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4320 (ask for OAQ, Billing, Licensing, and Training Section (BLT)), to determine the appropriate permit fee.~~

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, F011-17830-00046, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

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

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

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

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

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

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

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

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

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

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

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

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

- (a) **All terms and conditions of permits established prior to F011-26050-00046 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)]

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)]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

and

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

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

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

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

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

accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.

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

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

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

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

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

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

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

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

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

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

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

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

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

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

...
SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

- (1) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.
- (2) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

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

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

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

- (1) ~~The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable;~~
- (2) ~~The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and~~
- (3) ~~The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty five (25) tons per twelve (12) consecutive month period.~~
- (b) ~~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 that the source's potential to emit does not exceed the above specified limits.~~
- (d) ~~Section D of this permit contains independently enforceable provisions to satisfy this requirement.~~

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

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

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

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

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

~~C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(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 January 15, 1999. The plan is included as Attachment A.~~

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

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

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

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

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

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

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

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

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

~~(C) — Waste disposal site.~~

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

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

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

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

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

~~(e) — Procedures for Asbestos Emission Control~~

~~The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75~~

~~cubic feet on all facility components.~~

- (f) ~~Demolition and renovation~~
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) ~~Indiana Accredited Asbestos Inspector~~
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

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

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

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

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

~~Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented 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]~~

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

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

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

~~(b) Whenever a condition in this permit requires the measurement of a temperature or flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (" 2%) of full scale reading.~~

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

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

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

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

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

~~(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. 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 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]~~
- ~~(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of~~

~~the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.~~

- ~~(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.~~
- ~~(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.~~

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

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

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

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

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015~~
- ~~(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.~~
- ~~(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

~~(e) Reporting periods are based on calendar years.~~

Stratospheric Ozone Protection

~~G.20 Compliance with 40 CFR 82 and 326 IAC 22-1~~

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

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

...

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

(a) Pursuant to 326 IAC 2-8:

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

(b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.

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

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

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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

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

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on January 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
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251**

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

- (e) Procedures for Asbestos Emission Control**

The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) Demolition and Renovation**

The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) Indiana Licensed 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 Licensed Asbestos

Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

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

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

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

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

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on.
- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.16 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

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

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

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:**

 - (1) initial inspection and evaluation;**
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or**
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.**

- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:**

 - (1) monitoring results;**
 - (2) review of operation and maintenance procedures and records; and/or**
 - (3) inspection of the control device, associated capture system, and the process.**

- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.**

- (e) The Permittee shall maintain the following records:**

 - (1) monitoring data;**
 - (2) monitor performance data, if applicable; and**
 - (3) corrective actions taken.**

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

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

- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.**

- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.**

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

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

C.19 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

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

Stratospheric Ozone Protection

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

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

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

Conclusion and Recommendation

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 February 4, 2008.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed FESOP Significant Revision No. 011-26050-00046. The staff recommends to the Commissioner that this FESOP Significant Revision be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Brian Williams at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) (234-5375) or toll free at 1-800-451-6027 extension (4-5375).
- (b) A copy of the findings is available on the Internet at: www.in.gov/idem/permits/air/pending.html.
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.in.gov/idem/permits/guide/.

**Appendix A: Emissions Calculations
Unlimited/Uncontrolled Fuel Combustion
Drum Dryer/Mixer**

Company Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, IN 46075
Significant Permit Revision No.: 011-26050-00046
Reviewer: Brian Williams

Maximum Capacity

Maximum Hourly Asphalt Production =	400	ton/hr		
Maximum Annual Asphalt Production =	3504000	ton/yr		
Maximum Fuel Input Rate =	100.0	MMBtu/hr		
Maximum Natural Gas Usage =	0.009	MMCF/hr		
Maximum Coal Usage =	3.83	ton/hr	1.00	% sulfur
Maximum Natural Gas Usage =	74.6	MMCF/yr	5.00	% ash
Maximum Coal Usage =	33580	ton/yr		

Natural Gas and Coal

Criteria Pollutant	Emission Factor (units)		Unlimited Potential to Emit	
	Natural Gas (lb/MMCF)	Coal (lb/ton)	(lb/hr)	(tons/yr)
PM ¹	1.9	50	191.68	839.57
PM10 ¹	7.6	11.5	44.15	193.37
SO ₂ ^{1,2}	0.6	0.02	69.01	302.24
NOx ^{1,2}	190	20.5	80.2	351.28
VOC ²	0.025		10.0	43.80
CO ^{1,2}	84	31.00	119.5	523.62
Hazardous Air Pollutant ¹ (lb/ton)				
HF*		0.15	5.75E-01	2.52
HCl*		1.2	4.60	20.15
Antimony	1.80E-07	1.80E-05	7.27E-03	0.03
Arsenic	5.6E-07	4.10E-04	1.64E-01	0.72
Cadmium	4.1E-07	5.10E-05	2.06E-02	0.09
Chromium	5.5E-06	2.60E-04	1.06E-01	0.47
Cobalt	2.6E-08	1.00E-04	4.00E-02	0.18
Lead	6.2E-07	4.20E-04	1.68E-01	0.74
Manganese	7.7E-06	4.90E-04	1.99E-01	0.87
Mercury	2.4E-07	8.30E-05	3.33E-02	0.15
Nickel	6.3E-05	2.80E-04	1.37E-01	0.60
Selenium	3.5E-07	1.30E-03	5.20E-01	2.28
2,2,4 Trimethylpentane	4.0E-05		1.60E-02	0.07
Benzene	3.9E-04	1.30E-03	6.76E-01	2.96
Ethylbenzene	2.4E-04	9.40E-05	1.34E-01	0.59
Formaldehyde	3.1E-03	2.40E-04	1.34E+00	5.85
Hexane	9.2E-04	6.70E-05	3.95E-01	1.73
Methyl Chloroform	4.8E-05		1.92E-02	0.08
Toluene	1.5E-04	2.40E-04	1.56E-01	0.68
Total PAH Haps	1.90E-04	1.91E-05	8.36E-02	0.37
Xylene	2.00E-04	3.70E-05	9.48E-02	0.42

Total HAPs 41.53
Worst Single HAP 20.15 (hydrogen chloride)

Methodology

¹AP-42 Emission factors. Sources of AP-42 Emission Factors for fuel combustion and hot mix asphalt plants:

- Coal (PM, PM10): AP-42 Chapter 1.1, Table 1.1-4.
- Coal (HAPs): AP-42 Chapter 1.1, Tables 1.1-13, 1.1-14, 1.1-15, and 1.1-18.
- Natural Gas (PM, PM10, SO₂, NOx, and CO): AP-42 Chapter 1.4, Tables 1.4-1 and 1.4-2.
- Natural Gas (HAPs): AP-42 Chapter 11.1, Tables 11.1-10 and 11.1-12

²Alternative emission factors for coal (SO₂, NOx, VOC (combined), and CO). Alternative emission factors and emission calculations provided by source.

Based on configuration coal burner requires a base flame using approximately 8% natural gas, No.2 fuel oil, or waste oil and 92% coal.

PM, PM10, NOx, VOC, and CO Unlimited Potential to Emit (lb/hr) = Emission Factor (lb/MMCF) * Natural Gas Usage (MMCF/hr) + Emission Factor (lb/ton) * Coal Usage (tons/hr)

SO₂ Unlimited Potential to Emit (lb/hr) = Emission Factor (lb/MMCF) * Natural Gas Usage (MMCF/hr) + 2000 * Sulfur % * Emission Factor (lb/ton) * Coal Usage (tons/hr) * 45%

*HF and HCl Unlimited Potential to Emit (lb/hr) = Emission Factor (lb/ton) * Maximum Coal Usage (ton/hr)

All other HAPs Unlimited Potential to Emit (lb/hr) = Natural Gas Emission Factor (lb/ton) * Maximum Asphalt Production (ton/hr) + Coal Emission Factor (lb/ton) * Maximum Asphalt Production (ton/hr)

PM, PM10, SO₂, NOx, VOC, CO and HAPs Unlimited Potential to Emit (tons/yr) = Unlimited PTE (lb/hr) * 8760 (hrs/yr) * 1/2000 (ton/lbs)

**Appendix A: Emissions Calculations
Unlimited/Uncontrolled Fuel Combustion
Drum Dryer/Mixer (continued)**

Maximum Capacity

Maximum Hourly Asphalt Production =	400	ton/hr		
Maximum Annual Asphalt Production =	3504000	ton/yr		
Maximum Fuel Input Rate =	100.0	MMBtu/hr		
Maximum No. 2 Fuel Oil Usage =	59.6	gal/hr	1.00	% sulfur
Maximum Coal Usage =	3.83	ton/hr	1.00	% sulfur
Maximum No. 2 Fuel Oil Usage =	521.8	kgal/yr		5.00 % ash
Maximum Coal Usage =	33521.6	ton/yr		

No. 2 Fuel Oil and Coal

Criteria Pollutant	Emission Factor (units)		Unlimited Potential to Emit	
	No. 2 Fuel Oil (lb/kgal)	Coal (lb/ton)	(lb/hr)	(tons/yr)
PM ¹	2	50	191.45	838.56
PM10 ¹	3.3	11.5	44.20	193.61
SO ₂ ²	0.02	0.02	72.74	318.62
NOx ^{1,2}	24.0	20.5	79.88	349.86
VOC ²	0.025		10.00	43.80
CO ^{1,2}	5.0	31.00	118.92	520.89
Hazardous Air Pollutant¹ (lb/ton)				
HF*		0.15	5.74E-01	2.51
HCl*		1.2	4.59	20.11
Antimony	1.80E-07	1.80E-05	7.27E-03	0.03
Arsenic	5.6E-07	4.10E-04	1.64E-01	0.72
Cadmium	4.1E-07	5.10E-05	2.06E-02	0.09
Chromium	5.5E-06	2.60E-04	1.06E-01	0.47
Cobalt	2.60E-08	1.00E-04	4.00E-02	0.18
Lead	1.5E-05	4.20E-04	1.74E-01	0.76
Manganese	7.7E-06	4.90E-04	1.99E-01	0.87
Mercury	2.6E-06	8.30E-05	3.42E-02	0.15
Nickel	6.3E-05	2.80E-04	1.37E-01	0.60
Selenium	3.5E-07	1.30E-03	5.20E-01	2.28
2,2,4 Trimethylpentane	4.0E-05		1.60E-02	0.07
Benzene	3.90E-04	1.30E-03	6.76E-01	2.96
Ethylbenzene	2.40E-04	9.40E-05	1.34E-01	0.59
Formaldehyde	3.10E-03	2.40E-04	1.34E+00	5.85
Hexane	9.20E-04	6.70E-05	3.95E-01	1.73
Methyl Chloroform	4.80E-05		1.92E-02	0.08
Toluene	2.90E-03	2.40E-04	1.26E+00	5.50
Total PAH Haps	8.80E-04	1.91E-05	3.60E-01	1.58
Xylene	2.00E-04	3.70E-05	9.48E-02	0.42

Total HAPs 47.5
Worst Single HAP 20.1 (hydrogen chloride)

Methodology

¹AP-42 Emission factors. Sources of AP-42 Emission Factors for fuel combustion and hot mix asphalt plants:

- Coal (PM, PM10): AP-42 Chapter 1.1, Table 1.1-4.
- Coal (HAPs): AP-42 Chapter 1.1, Tables 1.1-13, 1.1-14, 1.1-15, and 1.1-18.
- No 2. Fuel Oil (PM, PM10, NOx, and CO): AP-42 Chapter 1.3, Table 1.3.1 and 1.3-2.
- No 2. Fuel Oil (HAPs): AP-42 Chapter 11.1, Tables 11.1-10 and 11.1-12.

²Alternative emission factors for coal (SO₂, NOx, VOC (combined), and CO). Alternative emission factors and emission calculations provided by source.

Based on configuration coal burner requires a base flame using approximately 8% natural gas, No.2 fuel oil, or waste oil and 92% coal.
 PM, PM10, NOx, VOC, and CO Unlimited Potential to Emit (lb/hr) = Emission Factor (lb/kgal) * Oil Usage (gal/hr) * 1/1000 (kgal/gal) + Emission Factor (lb/ton) * Coal Usage (tons/hr)
 SO₂ Unlimited Potential to Emit (lb/hr) provided by source and verified by IDEM.

*HF and HCl Unlimited Potential to Emit (lb/hr) = Emission Factor (lb/ton) * Maximum Coal Usage (ton/hr)

All other HAPs Unlimited Potential to Emit (lb/hr) = Fuel Oil Emission Factor (lb/ton) * Maximum Asphalt Production (ton/hr) + Coal Emission Factor (lb/ton) * Maximum Asphalt Production (ton/hr)

PM, PM10, SO₂, NOx, VOC, CO and HAPs Unlimited Potential to Emit (tons/yr) = Unlimited PTE (lb/hr) * 8760 (hrs/yr) * 1/2000 (ton/lbs)

**Appendix A: Emissions Calculations
Unlimited/Uncontrolled Fuel Combustion
Drum Dryer/Mixer (continued)**

Maximum Capacity

Maximum Hourly Asphalt Production =	400	ton/hr			
Maximum Annual Asphalt Production =	3504000	ton/yr			
Maximum Fuel Input Rate =	100.0	MMBtu/hr			
Maximum Waste Oil Usage =	59.70	gal/hr	0.75	% sulfur	1.02
Maximum Coal Usage =	3.83	ton/hr	1.00	% sulfur	5.00
Maximum Waste Oil Usage =	523.0	kgal/yr			0.200
Maximum Coal Usage =	33580	ton/yr			

Waste Oil and Coal

Criteria Pollutant	Emission Factor (units)		Unlimited Potential to Emit	
	Waste Oil (lb/kgal)	Coal (lb/ton)	(lb/hr)	(tons/yr)
PM ¹	65.28	50	195.56	856.57
PM10 ¹	52.02	11.5	47.19	206.69
SO ₂ ²	0.02	0.02	71.98	315.28
NOx ^{1,2}	19.0	20.5	79.72	349.16
VOC ²	0.025		10.00	43.80
CO ^{1,2}	5.0	31.00	119.13	521.80
Hazardous Air Pollutant¹ (lb/ton)				
HF*		0.15	5.75E-01	2.52
HCl*	2.10E-04	1.2	4.60	20.15
Antimony	1.80E-07	1.80E-05	7.27E-03	0.03
Arsenic	5.6E-07	4.10E-04	1.64E-01	0.72
Cadmium	4.1E-07	5.10E-05	2.06E-02	0.09
Chromium	5.5E-06	2.60E-04	1.06E-01	0.47
Cobalt	2.60E-08	1.00E-04	4.00E-02	0.18
Lead	1.5E-05	4.20E-04	1.74E-01	0.76
Manganese	7.7E-06	4.90E-04	1.99E-01	0.87
Mercury	2.6E-06	8.30E-05	3.42E-02	0.15
Nickel	6.3E-05	2.80E-04	1.37E-01	0.60
Selenium	3.5E-07	1.30E-03	5.20E-01	2.28
2,2,4 Trimethylpentane	4.0E-05		1.60E-02	0.07
Acetaldehyde	1.3E-03		5.20E-01	2.28
Acrolein	2.6E-05		1.04E-02	0.05
Benzene	3.90E-04	1.30E-03	6.76E-01	2.96
Ethylbenzene	2.40E-04	9.40E-05	1.34E-01	0.59
Formaldehyde	3.10E-03	2.40E-04	1.34E+00	5.85
Hexane	9.20E-04	6.70E-05	3.95E-01	1.73
Methyl Chloroform	4.80E-05		1.92E-02	0.08
MEK	2.00E-05		8.00E-03	0.04
Propionaldehyde	1.30E-04		5.20E-02	0.23
Quinone	1.60E-04		6.40E-02	0.28
Toluene	2.90E-03	2.40E-04	1.26E+00	5.50
Total PAH Haps	8.80E-04	1.91E-05	3.60E-01	1.58
Xylene	2.00E-04	3.70E-05	9.48E-02	0.42

Total HAPs 50.5
Worst Single HAP 20.15 (hydrogen chloride)

Methodology

¹AP-42 Emission factors. Sources of AP-42 Emission Factors for fuel combustion and hot mix asphalt plants:

- Coal (PM, PM10): AP-42 Chapter 1.1, Table 1.1-4.
- Coal (HAPs): AP-42 Chapter 1.1, Tables 1.1-13, 1.1-14, 1.1-15, and 1.1-18.
- Waste Oil (PM, PM10, NOx, and CO): AP-42 Chapter 1.11, Tables 1.11-1 and 1.11-2.
- Waste Oil (HAPs): AP-42 Chapter 11.1, Tables 11.1-10 and 11.1-12.

²Alternative emission factors for coal (SO₂, NOx, VOC (combined), and CO). Alternative emission factors and emission calculations provided by source.

Based on configuration coal burner requires a base flame using approximately 8% natural gas, No.2 fuel oil, or waste oil and 92% coal.

PM, PM10, NOx, VOC, and CO Unlimited Potential to Emit (lb/hr) = Emission Factor (lb/kgal) * Oil Usage (gal/hr) * 1/1000 (kgal/gal) + Emission Factor (lb/ton) * Coal Usage (tons/hr)

SO₂ Unlimited Potential to Emit (lb/hr) provided by source and verified by IDEM.

*HF and HCl Unlimited Potential to Emit (lb/hr) = Emission Factor (lb/ton) * Maximum Coal Usage (ton/hr)

All other HAPs Unlimited Potential to Emit (lb/hr) = Fuel Oil Emission Factor (lb/ton) * Maximum Asphalt Production (ton/hr) + Coal Emission Factor (lb/ton) * Maximum Asphalt Production (ton/hr)

PM, PM10, SO₂, NOx, VOC, CO and HAPs Unlimited Potential to Emit (tons/yr) = Unlimited PTE (lb/hr) * 8760 (hrs/yr) * 1/2000 (ton/lbs)

Abbreviations

- | | |
|------------------------------------|---------------------------------------|
| PM = Particulate Matter | CO = Carbon Monoxide |
| PM10 = Particulate Matter (<10 um) | HAP = Hazardous Air Pollutant |
| SO ₂ = Sulfur Dioxide | HCl = Hydrogen Chloride |
| NOx = Nitrous Oxides | PAH = Polycyclic Aromatic Hydrocarbon |
| VOC = Volatile Organic Compounds | |

Appendix A: Emissions Calculations
Unlimited Emissions
Fugitive Dust Emissions - Coal Unloading/Loading

Company Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, IN 46075
Permit Number: 011-26050-00046
Reviewer: Brian Williams

Ef (PM/PM10) = lb (PM/PM10)/ton of coal unloaded

Maximum Coal Usage = tons/yr

Type of Activity	PTE of PM/PM10 (tons/yr)	Control Efficiency %	Controlled PTE of PM/PM10 (tons/yr)
Truck unloading of coal into enclosed storage piles	0.34	80.00%	0.067
Coal loading into coal feed bin	0.34	0.00%	0.34
Total (tons/yr)	0.67		0.403

Methodology

PM/PM10 Emission Factor provided by Air Pollution Engineering Manual, 2nd Edition.

Unlimited Potential to Emit (tons/yr) = (Maximum Material Handling Throughput (tons/yr)) * (Emission Factor (lb/ton)) * (ton/2000 lbs)

Controlled Unlimited Potential to Emit (tons/yr) = (Maximum Material Handling Throughput (tons/yr)) * (Emission Factor (lb/ton)) * (ton/2000 lbs

* (1- % Control Efficiency)

Abbreviations

PM = Particulate Matter

PM10 = Particulate Matter (<10 um)

PTE = Potential to Emit

**Appendix A: Emissions Calculations
Unlimited Potential to Emit of Revision**

Company Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, IN 46075
Significant Permit Revision No.: 011-26050-00046
Reviewer: Brian Williams

Unlimited/Uncontrolled Emissions

Process Description	Unlimited/Uncontrolled Emissions (tons/year)							
	Criteria Pollutants						Hazardous Air Pollutants	
	PM	PM10	SO ₂	NOx	VOC	CO	Total HAPs	Worst Case HAP
Aggregate Dryer (Natural Gas and Pulverized Coal)	839.57	193.37	302.24	351.28	43.80	523.62	41.53	20.15 (hydrogen chloride)
Aggregate Dryer (NO ₂ Fuel Oil and Pulverized Coal)	838.56	193.61	318.62	349.86	43.80	520.89	47.54	20.11 (hydrogen chloride)
Aggregate Dryer (Waste Oil and Pulverized Coal)	856.57	206.69	315.28	349.16	43.80	521.80	50.45	20.15 (hydrogen chloride)
Worst Case Emissions	856.57	206.69	318.62	351.28	43.80	523.62	50.45	20.15 (hydrogen chloride)
Fugitive Emissions								
Coal Unloading/Loading	0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.00
Total Fugitive Emissions	0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.00
Total Unlimited Emissions	857.24	207.36	318.62	351.28	43.80	523.62	50.45	20.15 (hydrogen chloride)

**Appendix A: Emissions Calculations
Limited Emission Summary**

Company Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, IN 46075
Significant Permit Revision No.: 011-26050-00046
Reviewer: Brian Williams

Asphalt Plant Limitations

Maximum Hourly Asphalt Production	=	400	ton/hr
Annual Asphalt Production Limitation	=	550,000	ton/yr
Natural Gas Limitation	=	979.7	MMCF/yr
No. 2 Fuel Oil Limitation	=	2,420,382	gal/yr, and 0.50 % sulfur
Coal Limitation	=	5,305	ton/yr, and 1.00 % sulfur 5.00 % ash
Waste Oil Limitation	=	1,500,000	gal/yr, and 0.75 % sulfur 1.02 % ash 0.200 % chlorine, 0.0072 % lead
PM Dryer/Mixer Limitation	=	0.782	lb/ton of asphalt production
PM10 Dryer/Mixer Limitation	=	0.323	lb/ton of asphalt production
SO ₂ Dryer/Mixer Limitation	=	0.345	lb/ton of asphalt production
CO Dryer/Mixer Limitation	=	0.345	lb/ton of asphalt production
VOC Dryer/Mixer Limitation	=	0.032	lb/ton of asphalt production
Cold Mix Asphalt VOC Usage Limitation	=	78.9	tons/yr

Limited/Controlled Emissions

Process Description	Limited/Controlled Potential Emissions (tons/year)							
	Criteria Pollutants						Hazardous Air Pollutants	
	PM	PM10	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Case HAP
Ducted Emissions								
Fuel Combustion (worst case)	132.63	39.02	95.00	93.07	2.69	82.23	11.76	9.90 (hydrogen chloride)
Dryer/Mixer	215.00	88.94	95.00	55.00	8.80	95.00	2.93	0.85 (formaldehyde)
Worst Case Emissions	215.00	88.94	95.00	93.07	8.80	95.00	11.76	9.90 (hydrogen chloride)
Fugitive Emissions								
Asphalt Load-Out and On-Site Yard	0.14	0.14	0	0	1.36	0.47	0.03	0.01 (formaldehyde)
Hot Oil System	0	0	0	0	1.8E-03	0.09	1.8E-03	1.2E-03 (naphthalene)
Material Storage Piles	0.74	0.26	0	0	0	0	0	0
Material Processing and Handling	1.78	0.84	0	0	0	0	0	0
Material Screening and Conveying	8.73	3.19	0	0	0	0	0	0
Paved Roads	8.28	1.61	0	0	0	0	0	0
Cold Mix Asphalt Production	0	0	0	0	78.89	0	0	0
Volatile Organic Liquid Storage Vessels	0	0	0	0	negl.	0	negl.	negl.
Propane Hand Torch	9.57E-03	9.57E-03	0	3.35E-01	1.20E-02	4.55E-02	0	0
Coal Unloading/Loading	0.064	0.064	0	0	0	0	0	0
Total Fugitive Emissions	19.74	6.12	0.00	0.34	80.26	0.60	0.03	0.01 (formaldehyde)
Totals Limited/Controlled Emissions	234.74	95.05	95.00	93.41	89.06	95.60	11.79	9.90 (hydrogen chloride)

negl = negligible

Appendix A: Emissions Calculations
Limited Emissions
Dryer/Mixer

Company Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, IN 46075
Permit Number: 011-26050-00046
Reviewer: Brian Williams

The following calculations determine the limited emissions from the drum dryer/mixer

Annual Asphalt Production Limitation =	550,000	ton/yr
PM Dryer/Mixer Limitation =	0.782	lb/ton of asphalt production
PM10 Dryer/Mixer Limitation =	0.323	lb/ton of asphalt production
SO ₂ Dryer/Mixer Limitation =	0.345	lb/ton of asphalt production
CO Dryer/Mixer Limitation =	0.345	lb/ton of asphalt production
VOC Dryer/Mixer Limitation =	0.032	lb/ton of asphalt production

Criteria Pollutant*	Emission Factor or Limitation (lb/ton)				Limited/Controlled Potential to Emit (tons/yr)				
	Drum-Mix Plant (dryer/mixer, controlled by fabric filter)				Drum-Mix Plant (dryer/mixer, controlled by fabric filter)				
	Natural Gas	No. 2 Fuel Oil	Waste Oil	Coal*	Natural Gas	No. 2 Fuel Oil	Waste Oil	Coal	Worse Case PTE
PM	0.782	0.782	0.782	0.782	215.00	215.00	215.00	215.00	215.00
PM10	0.323	0.323	0.323	0.323	88.94	88.94	88.94	88.94	88.94
SO ₂	0.345	0.345	0.345	0.345	95.00	95.00	95.00	95.00	95.00
NO _x *	0.026	0.055	0.055	0.200	7.15	15.13	15.13	55	55.00
VOC	0.032	0.032	0.032	0.032	8.80	8.80	8.80	8.80	8.80
CO	0.345	0.345	0.345	0.345	95.00	95.00	95.00	95.00	95.00
Hazardous Air Pollutant									
HCl			2.10E-04	2.10E-04			5.78E-02	5.78E-02	5.78E-02
Antimony	1.80E-07	1.80E-07	1.80E-07	1.80E-07	4.95E-05	4.95E-05	4.95E-05	4.95E-05	4.95E-05
Arsenic	5.60E-07	5.60E-07	5.60E-07	5.60E-07	1.54E-04	1.54E-04	1.54E-04	1.54E-04	1.54E-04
Beryllium	negl	negl	negl	negl	negl	negl	negl	negl	0.00E+00
Cadmium	4.10E-07	4.10E-07	4.10E-07	4.10E-07	1.13E-04	1.13E-04	1.13E-04	1.13E-04	1.13E-04
Chromium	5.50E-06	5.50E-06	5.50E-06	5.50E-06	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03
Cobalt	2.60E-08	2.60E-08	2.60E-08	2.60E-08	7.15E-06	7.15E-06	7.15E-06	7.15E-06	7.15E-06
Lead	6.20E-07	1.50E-05	1.50E-05	1.50E-05	1.71E-04	4.13E-03	4.13E-03	4.13E-03	4.13E-03
Manganese	7.70E-06	7.70E-06	7.70E-06	7.70E-06	2.12E-03	2.12E-03	2.12E-03	2.12E-03	2.12E-03
Mercury	2.40E-07	2.60E-06	2.60E-06	2.60E-06	6.60E-05	7.15E-04	7.15E-04	7.15E-04	7.15E-04
Nickel	6.30E-05	6.30E-05	6.30E-05	6.30E-05	1.73E-02	1.73E-02	1.73E-02	1.73E-02	1.73E-02
Selenium	3.50E-07	3.50E-07	3.50E-07	3.50E-07	9.63E-05	9.63E-05	9.63E-05	9.63E-05	9.63E-05
2,2,4 Trimethylpentane	4.00E-05	4.00E-05	4.00E-05	4.00E-05	1.10E-02	1.10E-02	1.10E-02	1.10E-02	1.10E-02
Acetaldehyde			1.30E-03	1.30E-03			3.58E-01	3.58E-01	3.58E-01
Acrolein			2.60E-05	2.60E-05			7.15E-03	7.15E-03	7.15E-03
Benzene	3.90E-04	3.90E-04	3.90E-04	3.90E-04	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01
Ethylbenzene	2.40E-04	2.40E-04	2.40E-04	2.40E-04	6.60E-02	6.60E-02	6.60E-02	6.60E-02	6.60E-02
Formaldehyde	3.10E-03	3.10E-03	3.10E-03	3.10E-03	8.53E-01	8.53E-01	8.53E-01	8.53E-01	8.53E-01
Hexane	9.20E-04	9.20E-04	9.20E-04	9.20E-04	2.53E-01	2.53E-01	2.53E-01	2.53E-01	2.53E-01
Methyl chloroform	4.80E-05	4.80E-05	4.80E-05	4.80E-05	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02
MEK			2.00E-05	2.00E-05			5.50E-03	5.50E-03	5.50E-03
Propionaldehyde			1.30E-04	1.30E-04			3.58E-02	3.58E-02	3.58E-02
Quinone			1.60E-04	1.60E-04			4.40E-02	4.40E-02	4.40E-02
Toluene	1.50E-04	2.90E-03	2.90E-03	2.90E-03	4.13E-02	7.98E-01	7.98E-01	7.98E-01	7.98E-01
Total PAH Haps	1.90E-04	8.80E-04	8.80E-04	8.80E-04	5.23E-02	2.42E-01	2.42E-01	2.42E-01	2.42E-01
Xylene	2.00E-04	2.00E-04	2.00E-04	2.00E-04	5.50E-02	5.50E-02	5.50E-02	5.50E-02	5.50E-02

Total HAPs 2.93
Worst Single HAP 0.85 Formaldehyde

Methodology

Limited/Controlled Potential to Emit (tons/yr) = (Annual Asphalt Production Limitation (tons/yr)) * (Emission Factor (lb/ton)) * (ton/2000 lbs)

Emission Factors from AP-42 Chapter 11.1 (dated 3/04), Tables 11.1-3, 11.1-7, 11.1-8, 11.1-10, and 11.1-12

*Coal NO_x emission factor provided by source. Source provided emission factor is greater than AP-42.

Assumes Coal HAPs emission factors equivalent to Waste Oil.

Abbreviations

VOC - Volatile Organic Compounds
HCl = Hydrogen Chloride
SO₂ = Sulfur Dioxide

HAP = Hazardous Air Pollutant
PAH = Polyaromatic Hydrocarbon

**Appendix A: Emissions Calculations
Limited Emissions
Load-Out and On-Site Yard Emissions**

Company Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, IN 46075
Permit Number: 011-26050-00046
Reviewer: Brian Williams

The following calculations determine the limited fugitive emissions from hot asphalt mix load-out and on-site yard for a drum mix hot mix asphalt plant

Asphalt Temperature, T =	325	F
Asphalt Volatility Factor, V =	-0.5	
Annual Asphalt Production Limitation =	550,000	tons/yr

Pollutant	Emission Factor (lb/ton asphalt)		Limited Potential to Emit (tons/yr)		
	Load-Out	On-Site Yard	Load-Out	On-Site Yard	Total
Total PM	5.2E-04	NA	0.14	NA	0.14
Organic PM	3.4E-04	NA	0.09	NA	0.09
TOC	0.004	0.001	1.14	0.303	1.4
CO	0.001	3.5E-04	0.37	0.097	0.47

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

PM/HAPs	0.007	0	0.007
VOC/HAPs	0.017	0.004	0.021
non-VOC/HAPs	8.8E-05	2.3E-05	1.1E-04
non-VOC/non-HAPs	0.08	0.02	0.10

Total VOCs	1.08	0.3	1.4
Total HAPs	0.02	0.004	0.03
Worst Single HAP			0.006
			(formaldehyde)

Methodology

Limited Potential to Emit (tons/yr) = (Annual Asphalt Production Limitation (tons/yr)) * (Emission Factor (lb/ton)) * (ton/2000 lbs)

Emission Factors from AP-42 Chapter 11.1 (dated 3/04), Tables 11.1-14, 11.1-15, and 11.1-16

Plant Load-Out Emission Factor Equations (AP-42 Table 11.1-14)::

$$\text{Total PM/PM}_{10} \text{ Ef} = 0.000181 + 0.00141(-V)e^{((0.0251)(T+460)-20.43)}$$

$$\text{Organic PM Ef} = 0.00141(-V)e^{((0.0251)(T+460)-20.43)}$$

$$\text{TOC Ef} = 0.0172(-V)e^{((0.0251)(T+460)-20.43)}$$

$$\text{CO Ef} = 0.00558(-V)e^{((0.0251)(T+460)-20.43)}$$

On Site Yard CO emissions estimated by multiplying the TOC emissions by 0.32

Abbreviations

TOC = Total Organic Compounds

CO = Carbon Monoxide

PM = Particulate Matter

HAP = Hazardous Air Pollutant

VOC = Volatile Organic Compound

Appendix A: Emissions Calculations
Limited Emissions
Load-Out and On-Site Yard Emissions (continued)

Company Name: Milestone Contractors, L.P.
 Source Address: 4312 Whitelick Drive, Whitestown, IN 46075
 Permit Number: 011-26050-00046
 Reviewer: Brian Williams

Organic Particulate-Based Compounds (Table 11.1-15)

Pollutant	CASRN	Category	HAP Type	Source	Speciation Profile	Limited Potential to Emit (tons/yr)		
					Load-out and Onsite Yard (% by weight of Total Organic PM)	Load-out	Onsite Yard	Total
PAH HAPs								
Acenaphthene	83-32-9	PM/HAP	POM	Organic PM	0.26%	2.4E-04	NA	2.4E-04
Acenaphthylene	208-96-8	PM/HAP	POM	Organic PM	0.028%	2.6E-05	NA	2.6E-05
Anthracene	120-12-7	PM/HAP	POM	Organic PM	0.07%	6.6E-05	NA	6.6E-05
Benzo(a)anthracene	56-55-3	PM/HAP	POM	Organic PM	0.019%	1.8E-05	NA	1.8E-05
Benzo(b)fluoranthene	205-99-2	PM/HAP	POM	Organic PM	0.0076%	7.1E-06	NA	7.1E-06
Benzo(k)fluoranthene	207-08-9	PM/HAP	POM	Organic PM	0.0022%	2.1E-06	NA	2.1E-06
Benzo(g,h,i)perylene	191-24-2	PM/HAP	POM	Organic PM	0.0019%	1.8E-06	NA	1.8E-06
Benzo(a)pyrene	50-32-8	PM/HAP	POM	Organic PM	0.0023%	2.2E-06	NA	2.2E-06
Benzo(e)pyrene	192-97-2	PM/HAP	POM	Organic PM	0.0078%	7.3E-06	NA	7.3E-06
Chrysene	218-01-9	PM/HAP	POM	Organic PM	0.103%	9.7E-05	NA	9.7E-05
Dibenz(a,h)anthracene	53-70-3	PM/HAP	POM	Organic PM	0.00037%	3.5E-07	NA	3.5E-07
Fluoranthene	206-44-0	PM/HAP	POM	Organic PM	0.05%	4.7E-05	NA	4.7E-05
Fluorene	86-73-7	PM/HAP	POM	Organic PM	0.77%	7.2E-04	NA	7.2E-04
Indeno(1,2,3-cd)pyrene	193-39-5	PM/HAP	POM	Organic PM	0.00047%	4.4E-07	NA	4.4E-07
2-Methylnaphthalene	91-57-6	PM/HAP	POM	Organic PM	2.38%	2.2E-03	NA	0.002
Naphthalene	91-20-3	PM/HAP	POM	Organic PM	1.25%	1.2E-03	NA	1.2E-03
Perylene	198-55-0	PM/HAP	POM	Organic PM	0.022%	2.1E-05	NA	2.1E-05
Phenanthrene	85-01-8	PM/HAP	POM	Organic PM	0.81%	7.6E-04	NA	7.6E-04
Pyrene	129-00-0	PM/HAP	POM	Organic PM	0.15%	1.4E-04	NA	1.4E-04
Total PAH HAPs						0.006	NA	0.006
Other semi-volatile HAPs								
Phenol		PM/HAP	---	Organic PM	1.18%	1.1E-03	0	1.1E-03

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

Methodology

Limited Potential to Emit (tons/yr) = [Speciation Profile (%)] * [Organic PM (tons/yr)]

Speciation Profiles from AP-42 Chapter 11.1 (dated 3/04), Tables 11.1-15 and 11.1-16

Abbreviations

PM = Particulate Matter
 HAP = Hazardous Air Pollutant
 POM = Polycyclic Organic Matter

**Appendix A: General Asphalt FESOP Emissions Calculations
Limited Emissions
Load-Out and On-Site Yard Emissions (continued)**

Organic Volatile-Based Compounds (Table 11.1-16)

Pollutant	CASRN	Category	HAP Type	Source	Speciation Profile	Limited Potential to Emit (tons/yr)		
					Load-out and Onsite Yard (% by weight of TOC)	Load-out	Onsite Yard	Total
VOC		VOC	---	TOC	94%	1.08	0.28	1.36
non-VOC/non-HAPS								
Methane	74-82-8	non-VOC/non-HAP	---	TOC	6.50%	7.4E-02	2.0E-02	0.094
Acetone	67-64-1	non-VOC/non-HAP	---	TOC	0.046%	5.3E-04	1.4E-04	0.001
Ethylene	74-85-1	non-VOC/non-HAP	---	TOC	0.71%	8.1E-03	2.1E-03	0.010
Total non-VOC/non-HAPS					7.30%	0.083	0.022	0.11
Volatile organic HAPs								
Benzene	71-43-2	VOC/HAP	---	TOC	0.052%	5.9E-04	1.6E-04	7.5E-04
Bromomethane	74-83-9	VOC/HAP	---	TOC	0.0096%	1.1E-04	2.9E-05	1.4E-04
2-Butanone	78-93-3	VOC/HAP	---	TOC	0.049%	5.6E-04	1.5E-04	7.1E-04
Carbon Disulfide	75-15-0	VOC/HAP	---	TOC	0.013%	1.5E-04	3.9E-05	1.9E-04
Chloroethane	75-00-3	VOC/HAP	---	TOC	0.00021%	2.4E-06	6.4E-07	3.0E-06
Chloromethane	74-87-3	VOC/HAP	---	TOC	0.015%	1.7E-04	4.5E-05	2.2E-04
Cumene	92-82-8	VOC/HAP	---	TOC	0.11%	1.3E-03	3.3E-04	1.6E-03
Ethylbenzene	100-41-4	VOC/HAP	---	TOC	0.28%	3.2E-03	8.5E-04	0.004
Formaldehyde	50-00-0	VOC/HAP	---	TOC	0.088%	1.0E-03	2.7E-04	0.001
n-Hexane	100-54-3	VOC/HAP	---	TOC	0.15%	1.7E-03	4.5E-04	0.002
Isooctane	540-84-1	VOC/HAP	---	TOC	0.0018%	2.1E-05	5.4E-06	2.6E-05
Methylene Chloride	75-09-2	non-VOC/HAP	---	TOC	0	0	0	0.0E+00
MTBE	1634-04-4	VOC/HAP	---	TOC	0	0	0	0
Styrene	100-42-5	VOC/HAP	---	TOC	0.0073%	8.3E-05	2.2E-05	1.1E-04
Tetrachloroethene	127-18-4	non-VOC/HAP	---	TOC	0.0077%	8.8E-05	2.3E-05	1.1E-04
Toluene	100-88-3	VOC/HAP	---	TOC	0.21%	2.4E-03	6.4E-04	0.003
1,1,1-Trichloroethane	71-55-6	VOC/HAP	---	TOC	0	0	0	0
Trichloroethene	79-01-6	VOC/HAP	---	TOC	0	0	0	0
Trichlorofluoromethane	75-69-4	VOC/HAP	---	TOC	0.0013%	1.5E-05	3.9E-06	1.9E-05
m-/p-Xylene	1330-20-7	VOC/HAP	---	TOC	0.41%	4.7E-03	1.2E-03	0.006
o-Xylene	95-47-6	VOC/HAP	---	TOC	0.08%	9.1E-04	2.4E-04	1.2E-03
Total volatile organic HAPs					1.50%	0.017	0.005	0.022

Methodology

Limited Potential to Emit (tons/yr) = [Speciation Profile (%)] * [TOC (tons/yr)]
 Speciation Profiles from AP-42 Chapter 11.1 (dated 3/04), Tables 11.1-15 and 11.1-16

Abbreviations

TOC = Total Organic Compounds
 HAP = Hazardous Air Pollutant
 VOC = Volatile Organic Compound
 MTBE = Methyl tert butyl ether

**Appendix A: Emission Calculations
Fugitive Dust Emissions - Paved Roads**

Company Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, IN 46075
Significant Permit Revision No.: 011-26050-00046
Reviewer: #REF!

Paved Roads at Industrial Site

The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (12/2003).

Vehicle Information (provided by source)

Average Vehicle Weight Per Trip =

29968.0158

 miles/year for all vehicles combined (based on information in original FESOP application)

30.4

 tons/trip

Unmitigated Emission Factor, $E_f = [k * (sL/2)^{0.65} * (W/3)^{1.5} - C]$ (Equation 1 from AP-42 13.2.1)

	PM	PM10	
where k =	0.082	0.016	lb/mi = particle size multiplier (AP-42 Table 13.2.1-1)
W =	30.4	30.4	tons = average vehicle weight (provided by source)
C =	0.00047	0.00047	lb/mi = emission factor for vehicle exhaust, brake wear, and tire wear (AP-42 Table 13.2.1-2)
sL =	0.6	0.6	g/m ² = Ubiquitous Baseline Silt Loading Values of paved roads (Table 13.2.1-3 for summer months)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E_f * [1 - (p/4N)]$

Mitigated Emission Factor, $E_{ext} = E_f * [1 - (p/4N)]$
 where p =

125

 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)
 N =

365

 days per year

	PM	PM10	
Unmitigated Emission Factor, E_f =	1.21	0.24	lb/mile
Mitigated Emission Factor, E_{ext} =	1.11	0.22	lb/mile
Dust Control Efficiency =	50%	50%	(pursuant to control measures outlined in fugitive dust control plan)

Process	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)
Total PM/PM10 Emissions from Paved Roads	18.11	3.53	16.56	3.23	8.28	1.61
	18.11	3.53	16.56	3.23	8.28	1.61

Methodology

- Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
- Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
- Maximum one-way miles (miles/day) = [Maximum trips per year (trip/day)] * [Maximum one-way distance (mi/trip)]
- Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]
- Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]
- Unmitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Unmitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
- Mitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Mitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
- Controlled PTE (tons/yr) = (Mitigated PTE (tons/yr)) * (1 - Dust Control Efficiency)

Abbreviations

- PM = Particulate Matter
- PM10 = Particulate Matter (<10 um)
- PTE = Potential to Emit

**Appendix A: Emissions Calculations
Cold Mix Asphalt Production and Stockpiles**

Company Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, IN 46075
Permit Number: 011-26050-00046
Reviewer: Brian Williams

The following calculations determine the amount of VOC and HAP emissions created from volatilization of solvent used as diluent in the liquid binder for cold mix asphalt production

Cold Mix Asphalt VOC Usage Limitation = 78.9 tons/yr

Volatile Organic Compounds

	Maximum weight % of VOC solvent in binder	Weight % VOC solvent in binder that evaporates	VOC Solvent Usage Limitation (tons/yr)	Limited PTE of VOC (tons/yr)
Other asphalt with solvent binder	25.9%	2.5%	3155.6	78.9
Worst Case Limited PTE of VOC =				78.9

Methodology

Limited PTE of VOC (tons/yr) = [Weight % VOC solvent in binder that evaporates] * [VOC Solvent Usage Limitation (tons/yr)]
 Limited PTE of Total HAPs (tons/yr) = [Worst Case Total HAP Content of VOC solvent (weight %)] * [Worst Case Limited PTE of VOC (tons/yr)]
 Limited PTE of Single HAP (tons/yr) = [Worst Case Single HAP Content of VOC solvent (weight %)] * [Worst Case Limited PTE of VOC (tons/yr)]

*Source: Petroleum Liquids. Potter, T.L. and K.E. Simmons. 1998. Total Petroleum Hydrocarbon Criteria Working Group Series, Volume 2. Composition of Petroleum Mixtures. The Association for Environmental Health and Science. Available on the Internet at:

Abbreviations

VOC = Volatile Organic Compounds
 PTE = Potential to Emit

**Appendix A: Emissions Calculations
Material Storage Piles**

Company Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, IN 46075
Significant Permit Revision No.: 011-26050-00046
Reviewer: Brian Williams

The following calculations determine the amount of emissions created by wind erosion of storage stockpiles, based on 8,760 hours of use and USEPA's AP-42 (Pre 1983 Edition), Section 11.2.3.

$$E_f = 1.7 * (s/1.5) * (365-p) / 235 * (f/15)$$
 where E_f = emission factor (lb/acre/day)
 s = silt content (wt %)
 p = 125 days of rain greater than or equal to 0.01 inches
 f = 15 % of wind greater than or equal to 12 mph

Material	Silt Content (wt %)*	Emission Factor (lb/acre/day)	Maximum Anticipated Pile Size (acres)**	PTE of PM (tons/yr)	PTE of PM10 (tons/yr)
Stone	1.1	1.27	1.92	0.446	0.156
Sand	1.2	1.39	0.76	0.193	0.067
RAP	0.2	0.23	0.96	0.041	0.014
Slag	0.9	1.04	0.31	0.059	0.021
Totals				0.74	0.26

Methodology

PTE of PM (tons/yr) = (Emission Factor (lb/acre/day)) * (Maximum Pile Size (acres)) * (ton/2000 lbs) * (8760 hours/yr)

PTE of PM10 (tons/yr) = (Potential PM Emissions (tons/yr)) * 35%

*Silt content values obtained from AP-42 Table 13.2.4-1 (dated 1/95)

Abbreviations

PM = Particulate Matter

PM10 = Particulate Matter (<10 um)

PTE = Potential to Emit

Appendix A: Emission Calculations

Propane - Hand Torch

(Heat input capacity: > 0.3 MMBtu/hr and < 10 MMBtu/hr)

Company Name: Milestone Contractors, L.P.
Address City IN Zip: 4312 Whitelick Drive, Whitestown, IN 46075
Permit Number: 011-26050-00046
Reviewer: Brian Williams

Heat Input Capacity Potential Throughput SO2 Emission factor = 0.10 x S
 MMBtu/hr kgals/year S = Sulfur Content = grains/100ft³

Emission Factor in lb/kgal	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	0.4	0.4	0.0 (0.10S)	14.0	0.5 **TOC value	1.9
Potential Emission in tons/yr	9.57E-03	9.57E-03	0.00E+00	3.35E-01	1.20E-02	4.55E-02

*PM emission factor is filterable PM only. PM10 emission factor is assumed to be the same as PM based on a footnote in Table 1.5-1, therefore PM10 is filterable only as v
 **The VOC value given is TOC. The methane emission factor is 0.2 lb/kgal.

Methodology

1 gallon of propane has a heating value of 91,500 Btu
 (Source - AP-42 (Supplement B 10/96) page 1.5-1)
 Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.0915 MMBtu
 Emission Factors are from AP42 (Supplement B 10/96), Table 1.5-1 (SCC #1-03-010-02)
 Emission (tons/yr) = Throughput (kgals/yr) x Emission Factor (lb/kgal) / 2,000 lb/ton

**Appendix A: Emissions Calculations
Hot Oil System**

Company Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, IN 46075
Permit Number: 011-26050-00046
Reviewer: Brian Williams

The following calculations determine the unlimited/uncontrolled fugitive emissions from heating of the oil used in the the hot oil heating system

Maximum Fuel Input Rate To Hot Oil Heater = 2.2 MMBtu/hr
 Equivalent Natural Gas Usage = 19.3 MMCF/yr
 Equivalent No. 2 Fuel Oil Usage = 137,657 gal/yr, and

Criteria Pollutant	Emission Factors		Unlimited/Uncontrolled Potential to Emit (tons/yr)		Worse Case PTE
	Natural Gas (lb/ft3)	No. 2 Fuel Oil (lb/gal)	Natural Gas	No. 2 Fuel Oil	
VOC	2.60E-08	2.65E-05	2.51E-04	0.002	0.002
CO	8.90E-06	0.0012	0.086	0.083	0.086
Hazardous Air Pollutant					
Formaldehyde:	2.60E-08	3.50E-06	2.51E-04	2.41E-04	2.51E-04
Acenaphthene		5.30E-07		3.65E-05	3.65E-05
Acenaphthylene		2.00E-07		1.38E-05	1.38E-05
Anthracene		1.80E-07		1.24E-05	1.24E-05
Benzo(b)fluoranthene		1.00E-07		6.88E-06	6.88E-06
Fluoranthene		4.40E-08		3.03E-06	3.03E-06
Fluorene		3.20E-08		2.20E-06	2.20E-06
Naphthalene		1.70E-05		1.17E-03	1.17E-03
Phenanthrene		4.90E-06		3.37E-04	3.37E-04
Pyrene		3.20E-08		2.20E-06	2.20E-06

Total HAPs 1.83E-03
Worst Single HAP 1.17E-03 (Naphthalene)

Methodology

Equivalent Natural Gas Usage (MMCF/yr) = [Maximum Fuel Input Rate (MMBtu/hr)] * [8,760 hrs/yr] * [1 MMCF/1,000 MMBtu]
 Equivalent No. 2 Fuel Oil Usage (gal/yr) = [Maximum Fuel Input Rate (MMBtu/hr)] * [8,760 hrs/yr] * [1 gal/0.140 MMBtu]
 Natural Gas: Potential to Emit (tons/yr) = (Natural Gas Usage (MMCF/yr))*(Emission Factor (lb/CF))*(1000000 CF/MMCF)*(ton/2000 lbs)
 No. 2 Fuel Oil: Potential to Emit (tons/yr) = (No. 2 Fuel Oil Usage (gals/yr))*(Emission Factor (lb/gal))*(ton/2000 lbs)
 1 gallon of No. 2 Fuel Oil has a heating value of 140,000 Btu
 Emission Factors from AP-42 Chapter 11.1 (dated 3/04), Table 11.1-13

*Note: Emissions associated with fuel combustion in the hot oil heater are included in the fuel combustion calculations. Emissions (withdrawal and standing losses) associated with all volatile organic liquid (VOL) storage vessels are not included in the table above.

Abbreviations

CO = Carbon Monoxide
 VOC = Volatile Organic Compound

**Appendix A: Emissions Calculations
 Limited Emissions
 Fugitive Dust Emissions - Coal Unloading**

Company Name: Milestone Contractors, L.P.
Source Address: 4312 Whitelick Drive, Whitestown, IN 46075
Permit Number: 011-26050-00046
Reviewer: Brian Williams

Ef (PM/PM10) = lb (PM/PM10)/ton of coal unloaded

Coal Limitation = tons/yr

Type of Activity	Limited PTE of PM/PM10 (tons/yr)	Control Efficiency %	Controlled PTE of PM/PM10 (tons/yr)
Truck unloading of coal into enclosed storage piles	0.053	80.00%	0.011
Coal loading into coal feed bin	0.053	0.00%	0.053
Total (tons/yr)	0.11		0.064

Methodology

PM/PM10 Emission Factor provided by Air Pollution Engineering Manual, 2nd Edition.

Limited Potential to Emit (tons/yr) = (Maximum Material Handling Throughput (tons/yr)) * (Emission Factor (lb/ton)) * (ton/2000 lbs)

Controlled Limited Potential to Emit (tons/yr) = (Maximum Material Handling Throughput (tons/yr)) * (Emission Factor (lb/ton)) * (ton/2000 lbs) * (1- % Control Efficiency)

Abbreviations

PM = Particulate Matter

PM10 = Particulate Matter (<10 um)

PTE = Potential to Emit

**Appendix A: Emissions Calculations
Limited Emissions**

Fugitive Dust Emissions - Material Processing and Handling (Stone, Sand, Slag, and RAP)

Company Name:
Source Address:
Permit Number:
Reviewer:

Batch or Continuous Drop Operations (AP-42 Section 13.2.4)

To estimate potential fugitive dust emissions from processing and handling of raw materials (batch or continuous drop operations), AP-42 emission factors for Aggregate Handling, Section 13.2.4 (fifth edition, 1/95) are utilized.

$$E_f = k \cdot (0.0032)^{1.3} \cdot (U/5)^{1.3} / (M/2)^{1.4}$$

where: E_f = Emission factor (lb/ton)

k (PM) = 0.74 = particle size multiplier (0.74 assumed for aerodynamic diameter ≤ 100 μ m)
 k (PM10) = 0.35 = particle size multiplier (0.35 assumed for aerodynamic diameter ≤ 10 μ m)
 U = 10.2 = worst case annual mean wind speed (Source: NOAA, 2005*)
 M = 4.0 = material % moisture content of aggregate (Source: AP-42 Section 11.1.1.1)
 E_f (PM) = 2.27E-03 lb PM/ton of material handled
 E_f (PM10) = 1.07E-03 lb PM10/ton of material handled

Annual Asphalt Production Limitation = 550,000 tons/yr
 Percent Asphalt Cement/Binder (weight %) = 5.0%
 Maximum Material Handling Throughput = 522,500 tons/yr

Type of Activity	Limited PTE of PM (tons/yr)	Limited PTE of PM10 (tons/yr)
Truck unloading of materials into storage piles	0.59	0.28
Front-end loader dumping of materials into feeder bins	0.59	0.28
Conveyor dropping material into dryer/mixer	0.59	0.28
Total (tons/yr)	1.78	0.84

Methodology

Maximum Material Handling Throughput (tons/yr) = [Annual Asphalt Production Limitation (tons/yr)] * [1 - Percent Asphalt Cement/Binder (weight %)]
 Limited Potential to Emit (tons/yr) = (Maximum Material Handling Throughput (tons/yr)) * (Emission Factor (lb/ton)) * (ton/2000 lbs)
 Raw materials may include limestone, sand, recycled asphalt pavement (RAP), gravel, slag, and other additives
 *Worst case annual mean wind speed (Indianapolis, IN) from "Comparative Climatic Data", National Climatic Data Center, NOAA, 2005

Material Screening and Conveying (AP-42 Section 11-19.2.2)

To estimate potential fugitive dust emissions from raw material crushing, screening, and conveying, AP-42 emission factors for Crushed Stone Processing Operations, Section 11-19.2.2 (dated 8/04) are utilized.

Operation	Uncontrolled Emission Factor for PM (lbs/ton)*	Uncontrolled Emission Factor for PM10 (lbs/ton)*	Limited PTE of PM (tons/yr)	Limited PTE of PM10 (tons/yr)
Crushing	0.0054	0.0024	1.41	0.63
Screening	0.025	0.0087	6.53	2.27
Conveying	0.003	0.0011	0.78	0.29
Limited Potential to Emit (tons/yr) =			8.73	3.19

Methodology

Maximum Material Handling Throughput (tons/yr) = [Annual Asphalt Production Limitation (tons/yr)] * [1 - Percent Asphalt Cement/Binder (weight %)]
 Limited Potential to Emit (tons/yr) = [Maximum Material Handling Throughput (tons/yr)] * [Emission Factor (lb/ton)] * [ton/2000 lbs]
 Raw materials may include stone/gravel, slag, and recycled asphalt pavement (RAP)
 Emission Factors from AP-42 Chapter 11.19.2 (dated 8/04), Table 11.19.2-2

*Uncontrolled emissions factors for PM/PM10 represent tertiary crushing of stone with moisture content ranging from 0.21 to 1.3 percent by weight (Table 11.19.2-2). The bulk moisture content of aggregate in the storage piles at a hot mix asphalt production plant typically stabilizes between 3 to 5 percent by weight (Source: AP-42 Section 11.1.1.1).

Abbreviations

PM = Particulate Matter
 PM10 = Particulate Matter (<10 μ m)
 PTE = Potential to Emit

Appendix A: Emissions Calculations
Fuel Equivalency Calculations
Fuel Combustion Units with Maximum Capacity > 100 MMBtu/hr

Company Name: Milestone Contractors, L.P.
Address City IN Zip: 4312 Whitelick Drive, Whitestown, IN 46075
Permit Number: 011-26050-00046
Reviewer: Brian Williams

SO2 Equivalency						
Fuel Type	Limited Sulfur Content	Limited Sulfur Content Units	AP-42 Emission Factor*	Emission Factor Units	Fuel Equivalency	Fuel Equivalency Units
Natural Gas	NA	NA	0.6	lb/MMCF	183.8	MMCF natural gas / 1000 gal waste oil
No. 2 Fuel Oil	0.50	% by weight	78.50	lb/kgal	1.40	gal No. 2 fuel oil / gal waste oil
Coal*	1.00	% by weight	18.0	lb/ton	6.13	ton coal / 1000 gal waste oil
Waste Oil	0.75	% by weight	110.25	lb/kgal	1.00	gal waste oil / gal waste oil

Methodology

Fuel Equivalency = [AP-42 Emission Factor for waste oil (lb/kgal)] / [AP-42 Emission Factor for any fuel type (lb/kgal, lb/MMCF, or lb/ton)]

*Coal SO₂ emission factor provided by source.

Sources of AP-42 Emission Factors for fuel combustion:

- Natural Gas (boiler > 100 MMBtu/hr): AP-42 Chapter 1.4 (dated 7/98), Table 1.4-2
- No. 2 fuel oil (industrial boiler > 100 MMBtu/hr): AP-42 Chapter 1.3 (dated 9/98), Table 1.3-1
- Waste Oil (small boiler): AP-42 Chapter 1.11 (dated 10/96), Table 1.11-2