



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Michael R. Pence
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: January 22, 2013

RE: Milestone Contractors, L.P. / 001-32619-00058

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

Notice of Decision – Approval

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 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires 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 from 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-AM.dot12/3/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Indianapolis, Indiana 46204
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January 22, 2013

Robert J. Beyke, Environmental Affairs Manager
Milestone Contractors, L.P.
5950 South Belmont Avenue
Indianapolis, IN 46217

Re: 001-32619-00058
Second Administrative Amendment to
F001-24364-00058

Dear Mr. Beyke:

Meshberger Brothers Stone Corporation was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F001-24364-00058 on October 10, 2007 for a stationary batch hot-mix asphalt plant located at 699 S 500 E, Decatur, IN 46733. On December 11, 2012, the Office of Air Quality (OAQ) received an application from the source requesting the following modifications:

Change 1 Change in Ownership

The source is requesting that the permit be modified to reflect a change in ownership of the company from Meshberger Brothers Stone Company to Milestone Contractors, L.P.

Pursuant to 326 IAC 2-8-10(a)(4), this change to the permit is considered an administrative amendment because the permit is amended to indicate a change in ownership or operational control of the source where there no other change in the permit is necessary.

The company name has been revised throughout the permit as follows:

Company Name: ~~Meshberger Brothers Stone Company~~
 Milestone Contractors, L.P.

**NEW SOURCE REVIEW AND FEDERALLY ENFORCEABLE STATE
OPERATING PERMIT RENEWAL
OFFICE OF AIR QUALITY**

~~Meshberger Brothers Stone Corporation~~
Milestone Contractors, L.P.
699 S 500 E
Decatur, Indiana 46733

Additionally several of IDEM's branches and sections have been renamed. "Compliance Data Section", "Air Compliance Section", and "Compliance Branch" have been changed to "Compliance and Enforcement Branch. The language on the permit reporting forms has been revised to reflect this change.

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

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

Source Name: ~~Meshberger Brothers Stone Corporation~~ **Milestone Contractors, L.P.**
Source Address: 699 S 500 E, Decatur, Indiana 46733
FESOP Permit No.: F001-24364-00058

...

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC-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: ~~Meshberger Brothers Stone Corporation~~ **Milestone Contractors, L.P.**
Source Address: 699 S 500 E, Decatur, Indiana 46733
FESOP Permit No.: F001-24364-00058

...

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

FESOP Quarterly Report

Source Name: ~~Meshberger Brothers Stone Corporation~~ **Milestone Contractors, L.P.**
Source Address: 699 S 500 E, Decatur, Indiana 46733
FESOP Permit No.: F001-24364-00058
Facility: 96.8 MMBtu per hour aggregate dryer burner

...

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

FESOP Quarterly Report

Source Name: ~~Meshberger Brothers Stone Corporation~~ **Milestone Contractors, L.P.**
Source Address: 699 S 500 E, Decatur, Indiana 46733
FESOP Permit No.: F001-24364-00058
Facility: 96.8 MMBtu per hour aggregate dryer burner

...

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
COMPLIANCE AND ENFORCEMENT BRANCH
Single Liquid Binder Solvent Quarterly Report**

Source Name: ~~Meshberger Brothers Stone Corporation~~ **Milestone Contractors, L.P.**
Source Address: 699 S 500 E, Decatur, Indiana 46733
FESOP Permit No.: F001-24364-00058
Facility: Asphalt Plant

...

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
COMPLIANCE AND ENFORCMENT BRANCH
Multiple Liquid Binder Solvent Quarterly Report**

Source Name: ~~Meshberger Brothers Stone Corporation~~ **Milestone Contractors, L.P.**
Source Address: 699 S 500 E, Decatur, Indiana 46733
FESOP No.: F001 24364 00058
Facility: Asphalt Plant

...

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

Source Name: ~~Meshberger Brothers Stone Corporation~~ **Milestone Contractors, L.P.**
Source Address: 699 S 500 E, Decatur, Indiana 46733
FESOP Permit No.: F001-24364-00058

Change 2 Change in the pressure drop range for the baghouse used in conjunction with the aggregate dryer/mixer and modification of the language regarding the calibration of the instrument used to determine pressure.

The source is also requesting that the permit be updated to reflect a new pressure drop range for the baghouse used in conjunction with the aggregate dryer/mixer. This change is considered an administrative amendment pursuant to 326 IAC 2-8-10(a)(5), since it is a revision to a monitoring, maintenance or record keeping requirement that is not environmentally significant.

The change shall not be an administrative amendment if the testing, monitoring, maintenance, or record keeping is required by an applicable requirement.

Pursuant to the provisions of 326 IAC 2-8-10, the permit is hereby administratively amended as follows with the deleted language as ~~strikeouts~~ and new language **bolded**:

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

...

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

...

D.1.14 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouse used in conjunction with the aggregate dryer/mixer, at least once per day when the aggregate dryer/mixer is in operation. ~~When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 6.0 1 to 8 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps.~~ **When, for any one reading, the pressure drop across the baghouse is lower than the minimum pressure range, the Permittee shall take a reasonable response. The normal range for this unit is a reading between 1 to 8 inches of water unless a different value is determined during the latest stack test.** Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps 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 or replaced at least once every six (6) months **or other time period specified by the manufacturer.**

Additional Changes

IDEM, OAQ has decided to make additional revisions to the permit as described below in order to update the language to match the most current version of the applicable rule, to eliminate redundancy within the permit, and to provide clarification regarding the requirements of these conditions.

Change 3 *IDEM OAQ has clarified the Permittee's responsibility with regards to record keeping.*

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

...

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

C.16 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. **Support information includes the following:**

- (AA) All calibration and maintenance records.
- (BB) All original strip chart recordings for continuous monitoring instrumentation.
- (CC) Copies of all reports required by the FESOP
- (DD)

Records of required monitoring information include the following:

- (AA) The date, place as defined in this permit, and time of sampling or measurements.
- (BB) The dates analyses were performed.
- (CC) The company or entity that performed the analyses.
- (DD) The analytical techniques or methods used.
- (EE) The results of such analyses.
- (FF) The operating conditions as existing at the time of sampling or measurement.

...

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

...

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

...

D.1.16 Reporting Requirements

A quarterly summary of the information to document the compliance status with Conditions D.1.1, D.1.2, D.1.3, and D.1.5 shall be submitted using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported.

Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Change 4 *IDEM, OAQ has clarified the interaction of the Quarterly Deviation and Compliance Monitoring Report and the Emergency Provisions.*

C.17 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. **Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of this paragraph.** Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that 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. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

...

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

Source Name: Milestone Contractors, L.P.
Source Address: 699 S 500 E, Decatur, Indiana 46733
FESOP Permit No.: F001-24364-00058

Months: _____ to _____ Year: _____

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. **Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of this paragraph.** Any deviation from the requirements of this permit, 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".

...

Change 5 *On October 27, 2010, the Indiana Pollution Control Board, the Indiana Air Pollution Control Board issued revisions to 326 IAC 2. These revisions resulted in changes to the rule cites listed in the permit. These changes are not changes to the underlying provisions but only to the citation of these rules.*

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

SECTION B GENERAL CONDITIONS

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

- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

...
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) **and (c)** through ~~(d)~~ without a prior permit revision, if each of the following conditions is met:

- 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)(2), (c)(1) and ~~(d)~~ **(b)(1) and (c)**. 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)(1) and (c)**.

- (b) Emission Trades [326 IAC 2-8-15 (e)~~(b)~~]
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(e)~~(b)~~.

...
Pursuant to 326 IAC 2-7-1(39), starting July 1, 2011, greenhouse gases (GHGs) emissions are subject to regulation at a source with a potential to emit (PTE) 100,000 tons per year or more of CO2 equivalent emissions (CO2e). Therefore, CO2e emissions have been calculated for this source. Based on the calculations, the unlimited PTE GHGs from the entire source is less than 100,000 tons of CO2e per year (see Appendix A for the calculations). This did not require any changes to the permit.

All other conditions of the permit shall remain unchanged and in effect. Attached please find the entire revised permit.

A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. 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.idem.in.gov

Milestone Contractors, L.P.
Decatur, Indiana
Permit Reviewer: Deborah Cole

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Administrative Amendment No. 001-332619-000058

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 Deborah Cole, of my staff, at 317-234-5377 or 1-800-451-6027, and ask for extension 4-5377.

Sincerely,



Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

Attachments: Updated Permit and Calculations

IC/dac

cc: File - Adams County
Adams County Health Department
U.S. EPA, Region V
Compliance and Enforcement Branch
Billing, Licensing and Training Section



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NEW SOURCE REVIEW AND FEDERALLY ENFORCEABLE STATE OPERATING PERMIT RENEWAL OFFICE OF AIR QUALITY

Milestone Contractors, L.P.
699 S 500 E
Decatur, Indiana 46733

(herein known as the Permittee) is hereby authorized to construct and 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. This permit also addresses new source review requirements and is intended to fulfill the new source review procedures and permit revision requirements pursuant to 326 IAC 2-8-11.1, applicable to those conditions.

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.: F001-24364-00058	
Issued by/Original Signed By: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: October 1, 2007 Expiration Date: October 1, 2017

First Administrative Amendment No.: 001-30091-00058, issued on January 27, 2011

Second Administrative Amendment No.: 001-32619-00058	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: January 22, 2013 Expiration Date: October 1, 2017

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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 batch hot-mix asphalt plant.

Source Address:	699 S 500 E, Decatur, Indiana 46733
General Source Phone Number:	260-334-5311
SIC Code:	2951
County Location:	Adams
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD 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:

One batch hot-mix asphalt plant constructed in 1967 (unless otherwise indicated), including the following units:

- (a) One (1) aggregate dryer/mixer, with a maximum throughput capacity of 300 tons of asphalt per hour, having a burner with a maximum heat input rate of 96.8 million British thermal units per hour, exhausting through a baghouse at stack SV1. The dryer is fired by natural gas as the primary fuel, with No. 2 distillate fuel oil and waste oil used as backup fuels.
- (b) Cold-mix (stockpile mix) asphalt storage piles.
- (c) One (1) batch tower, constructed in 1996, exhausting through a baghouse at stack SV1, and including the following units:
 - (1) One (1) hot elevator with a maximum throughput capacity of 360 tons of asphalt per hour;
 - (2) One (1) screen deck with a maximum throughput capacity of 350 tons of asphalt per hour;
 - (3) Hot aggregate storage bins with a total maximum capacity of 180 tons;
 - (4) One (1) weigh hopper with a maximum capacity of 5 tons of asphalt; and
 - (5) One (1) pug mill with a batch size of 5 tons of asphalt.
- (d) Emission units with PM and PM-10 emissions less than five (5) tons per year, SO₂, NO_x, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year:
 - (1) One (1) material conveying and handling operation. [326 IAC 6-3]

- (2) One (1) 19,430 gallon storage tank ID#12 for liquid asphalt AC-20, constructed after July 23, 1984.
- (3) One (1) 19,430 gallon storage tank ID#13 for liquid asphalt AC-20 and asphalt emulsion AE-300, constructed after July 23, 1984.
- (4) Two (2) 12,000 gallon storage tanks ID#29 and ID#30 for No. 2 fuel oil, constructed after July 23, 1984.
- (e) Three (3) hot mix asphalt storage bins with a maximum storage capacity of 200 tons of asphalt, each.
- (f) Two (2) electric heater units.

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) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]
- (b) A laboratory as defined in 326 IAC 2-7-1(21)(D).
- (c) One (1) Recycled Asphalt Product (RAP) system, constructed in 2006, with a maximum throughput capacity of 45 tons of asphalt per hour, consisting of the following [40 CFR 60, Subpart OOO]:
 - (1) One (1) RAP cold feed system feed bin,
 - (2) One (1) RAP cold feed system lump breaker,
 - (3) One (1) RAP cold feed system conveyor system, and
 - (4) RAP storage piles with a total maximum capacity of 20,000 tons.

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

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

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

- (a) This permit, F 001-24364-00058, 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.4 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.5 Enforceability [326 IAC 2-8-6] [IC 13-17-12]

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

- (a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:
- (1) it contains a certification by an "authorized individual", as defined by 326 IAC 2-1.1-1(1), and
 - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent 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.10 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 and Enforcement 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 a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.11 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.12 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)]

- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:
- (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.

The Permittee shall implement the PMPs.

- (b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

The Permittee shall implement the PMPs.

- (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. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "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 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 and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
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 and Enforcement 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 a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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.

B.14 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to F 001-24364-00058 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.15 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.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 a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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 a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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
Permit Administration and Support Section, 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, pursuant to 326 IAC 2-8-3(g), 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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) and c 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
Permit Administration and Support Section, 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)(1) and (c). 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)(1) and (c).

- (b) Emission Trades [326 IAC 2-8-15(b)]
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(b).
- (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.

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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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 no later than 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) Pursuant to 326 IAC 2-2 (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 5-1-1 (Applicability) and 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 except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

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 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
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 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 that meets the requirements of 326 IAC 2-8-5(a)(1) 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.8 Performance Testing [326 IAC 3-6]

- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, 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 a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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 a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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.9 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.10 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, 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 and Enforcement 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 a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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.11 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.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (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.13 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.14 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to 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 excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning 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 normal or usual manner of operation.
- (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 record the reasonable response steps taken.

C.15 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 submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) 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 a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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.16 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. Support information includes the following:
 - (AA) All calibration and maintenance records.
 - (BB) All original strip chart recordings for continuous monitoring instrumentation.
 - (CC) Copies of all reports required by the FESOP
 - (DD) Records of required monitoring information include the following:
 - (AA) The date, place as defined in this permit, and time of sampling or measurements.
 - (BB) The dates analyses were performed.
 - (CC) The company or entity that performed the analyses.
 - (DD) The analytical techniques or methods used.
 - (EE) The results of such analyses.
 - (FF) The operating conditions as existing at the time of sampling or measurement.

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, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.17 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. Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that 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. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, 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) Reserved
- (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.18 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 applicable standards for recycling and emissions reduction.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

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

One batch hot-mix asphalt plant constructed in 1967 (unless otherwise indicated) including the following units:

- (a) One (1) aggregate dryer/mixer, with a maximum throughput capacity of 300 tons of asphalt per hour, having a burner with a maximum heat input rate of 96.8 million British thermal units per hour, exhausting through a baghouse at stack SV1. The dryer is fired by natural gas as the primary fuel, with No. 2 distillate fuel oil and waste oil used as backup fuels.
- (b) Cold-mix (stockpile mix) asphalt storage piles.
- (c) One (1) batch tower, constructed in 1996, exhausting through a baghouse at stack SV1, and including the following units:
 - (1) One (1) hot elevator with a maximum throughput capacity of 360 tons of asphalt per hour;
 - (2) One (1) screen deck with a maximum throughput capacity of 350 tons of asphalt per hour;
 - (3) Hot aggregate storage bins with a total maximum capacity of 180 tons;
 - (4) One (1) weigh hopper with a maximum capacity of 5 tons of asphalt; and
 - (5) One (1) pug mill with a batch size of 5 tons of asphalt.
- (d) Emission units with PM and PM-10 emissions less than five (5) tons per year, SO₂, NO_x, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year:
 - (1) One (1) material conveying and handling operation. [326 IAC 6-3]
 - (2) One (1) 19,430 gallon storage tank ID#12 for liquid asphalt AC-20, constructed after July 23, 1984.
 - (3) One (1) 19,430 gallon storage tank ID#13 for liquid asphalt AC-20 and asphalt emulsion AE-300, constructed after July 23, 1984.
 - (4) Two (2) 12,000 gallon storage tanks ID#29 and ID#30 for No. 2 fuel oil, constructed after July 23, 1984.
- (e) Three (3) hot mix asphalt storage bins with a maximum storage capacity of 200 tons of asphalt, each.
- (f) Two (2) electric heater units.

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

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

- (a) The asphalt production rate shall be limited to less than 495,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) PM/PM10 emissions from the aggregate dryer/mixer shall be limited to less than 0.3149 pounds of PM/PM10 per ton of asphalt produced.
- (c) CO emissions from the aggregate dryer/mixer shall be limited to less than 0.40 pounds of CO per ton of asphalt produced.
- (d) NOx emissions from the aggregate dryer/mixer shall be limited to less than 0.12 pounds of NOx per ton of asphalt produced when combusting No. 2 fuel oil or waste oil.
- (e) VOC emissions from the aggregate dryer/mixer shall be limited to less than 0.036 pounds of VOC per ton of asphalt produced.

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

D.1.2 Sulfur Dioxide (SO₂) [326 IAC 2-8-4] [326 IAC 2-2]

Pursuant to 326 IAC 2-8-4 and 326 IAC 2-2, the Permittee shall comply with the following:

- (a) The sulfur content of the No. 2 fuel oil used shall not exceed 0.5% by weight.
- (b) The sulfur content of the waste oil used shall not exceed 0.75% by weight.
- (c) The SO₂ emissions from the aggregate dryer burner shall be limited to less than 110 pounds per thousand gallons (lb/kgal) of waste oil and less than 71.0 pounds per thousand gallons (lb/kgal) of No. 2 fuel oil.
- (d) The No. 2 fuel oil combusted shall be limited to less than 2,676,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purpose of determining compliance with this limit, every thousand gallons of No. 2 fuel oil shall be considered equivalent to 644 gallons of waste oil.

Compliance with this limit will limit the potential to emit SO₂ from the entire source to less than 100 tons per year and render 326 IAC 2-7 (Part 70 Program) and 326 IAC 2-2 (Prevention of Significant Deterioration) are not applicable.

D.1.3 Volatile Organic Compounds (VOC) [326 IAC 2-8-4] [326 IAC 2-2]

- (a) Pursuant to 326 IAC 2-8-4 and 326 IAC 2-2, the VOC solvent used as diluent in the liquid binder used in cold mix asphalt production from the plant shall be limited such that no more than 86.1 tons of VOC emissions are emitted per twelve (12) consecutive month period with compliance determined at the end of each month. This shall be achieved by limiting the total VOC solvent usage for any one selected binder to less than or equal to the stated limit in (c) for that binder during the last twelve (12) months. When more than one binder is used, the formula in (c)(6) must be applied so that the total VOC emitted does not exceed 86.1 tons per twelve (12) consecutive month period.

- (b) Liquid binders used in the production of cold mix asphalt shall be defined as follows:
- (1) Cut back asphalt rapid cure, containing a maximum of 25.3% of the liquid binder by weight of VOC solvent and 95% by weight of VOC solvent evaporating.
 - (2) Cut back asphalt medium cure, containing a maximum of 28.6% of the liquid binder by weight of VOC solvent and 70% by weight of VOC solvent evaporating.
 - (3) Cut back asphalt slow cure, containing a maximum of 20% of the liquid binder by weight of VOC solvent and 25% by weight of VOC solvent evaporating.
 - (4) Emulsified asphalt with solvent, containing a maximum of 15% of liquid binder by weight of VOC solvent and 46.4% by weight of the VOC solvent in the liquid blend evaporating. The percent oil distillate in emulsified asphalt with solvent liquid, as determined by ASTM, must be 7% or less of the total emulsion by volume
 - (5) Other asphalt with solvent binder, containing a maximum 25.9% of the liquid binder of VOC solvent and 2.5% by weight of the VOC solvent evaporating
- (c) The liquid binder used in cold mix asphalt production shall be limited as follows:
- (1) Cutback asphalt rapid cure liquid binder usage shall not exceed 90.6 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.
 - (2) Cutback asphalt medium cure liquid binder usage shall not exceed 123 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.
 - (3) Cutback asphalt slow cure liquid binder usage shall not exceed 344.4 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.
 - (4) Emulsified asphalt with solvent liquid binder usage shall not exceed 185.6 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.
 - (5) Other asphalt with solvent liquid binder shall not exceed 3,444 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.
 - (6) When more than one type of binder is used per twelve (12) month consecutive period, the total usage of all binders shall be limited so that the total potential to emit VOC is less than or equal to 86.1 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. In order to determine the tons of VOC emitted per each type of binder, use the following formula and divide the tons of VOC solvent used for each type of binder by the corresponding adjustment factor listed in the table that follows.

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

Type of Binder	VOC Solvent Used (tons/year)	Adjustment Factor	VOC Emitted (tons/year)
Cutback Asphalt Rapid Cure		1.053	
Cutback Asphalt Medium Cure		1.429	
Cutback Asphalt Slow Cure		4.0	
Emulsified Asphalt		2.155	
Other Asphalt		40.0	

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

D.1.4 Sulfur Dioxide (SO₂) Emission Limitations [326 IAC 7-1.1-1] [326 IAC 7-1.1-2]

Pursuant to 7-1.1-2, sulfur dioxide emissions from the asphalt plant shall be limited as follows:

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

D.1.5 Hydrogen Chloride (HCl) Emissions [326 IAC 2-8-4]

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

- (a) The chlorine content of the waste oil used in the 100 MMBtu per hour burner for the aggregate dryer shall not exceed seventeen hundredths of a percent (0.17%) by weight.
- (b) The usage of waste oil in the 100 MMBtu per hour burner for the aggregate dryer shall be limited to 1,735,510 U.S. gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (c) The HCl emissions from the 100 MMBtu per hour burner for the aggregate dryer shall be limited to less than 11.4 pounds of HCl per 1,000 gallons of waste oil burned.

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

D.1.6 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the aggregate dryer/mixer shall not exceed 63.0 pounds per hour when operating at a process weight rate of 600,000 pounds per hour, and the allowable particulate emission rate from the material conveying and handling operations and batch tower shall not exceed 63.6 pounds per hour when operating at a process weight rate of 630,000 pounds per hour. The pounds per hour limitations were calculated with the following equation:

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

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

D.1.7 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventative Maintenance Plan, is required for this facility and its control device. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.1.8 Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed one and six-tenths (1.6) pounds per MMBtu for residual oil combustion and five-tenths (0.5) pounds per million Btu heat input for distillate oil combustion by:
 - (1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification; or
 - (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the 96.8 MMBtu per hour burner, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

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

D.1.9 Hydrogen Chloride (HCl) Emissions and Chlorine Content

The Permittee shall demonstrate that the chlorine content of the fuel used for the aggregate dryer burner does not exceed seventeen hundredths of a percent (0.17%) by weight, when operating on waste oil, by providing a vendor analysis of fuel delivered accompanied by a vendor certification.

D.1.10 Testing Requirements [326 IAC 2-8-4(3)]

The Permittee shall perform PM and PM10 stack testing utilizing methods as approved by the Commissioner to demonstrate compliance with Condition D.1.1(b). These tests shall be repeated at least once every five (5) years from the date of the most recent compliance demonstration. PM10 includes filterable and condensable PM10. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

D.1.11 Particulate Matter (PM) and PM10

- (a) In order to comply with Conditions D.1.1 and D.1.6, the baghouse for PM and PM10 control shall be in operation and control emissions from the aggregate dryer/mixer at all times that the aggregate 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.1.12 Visible Emissions Notations

- (a) Visible emission notations of the aggregate dryer/mixer baghouse stack exhaust 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. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.1.13 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For a single compartment baghouses controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emission unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.1.14 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouse used in conjunction with the aggregate dryer/mixer, at least once per day when the aggregate dryer/mixer is in operation. When, for any one reading, the pressure drop across the baghouse is lower than the minimum pressure range, the Permittee shall take a reasonable response. The normal range for this unit is a reading between 1 to 8 inches of water unless a different value is determined during the latest stack test. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps 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 or replaced at least once every six (6) months or other time period specified by the manufacturer.

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

D.1.15 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.1, the Permittee shall maintain monthly records of asphalt production.
- (b) To document the compliance status with Condition D.1.3, the Permittee shall document VOC usage as follows:
 - (1) Amount and type of liquid binder used in the production of cold mix asphalt each month;
 - (2) Type and VOC solvent content by weight of the liquid binder used in the production of cold mix asphalt each month;
 - (3) Amount of VOC solvent used in the production of cold mix asphalt each month.

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

- (c) To document the compliance status with Conditions D.1.2, D.1.4, D.1.5, and D.1.9, the Permittee shall maintain records in accordance with (1) through (6) below.
 - (1) Calendar dates covered in the compliance determination period;
 - (2) Actual fuel usage for re-refined waste oil and No. 2 fuel oil since last compliance determination period and equivalent sulfur dioxide emissions;
 - (3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period, the natural gas fired boiler certification does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1); and

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

- (4) Fuel supplier certifications.
- (5) The name of the fuel supplier; and
- (6) A statement from the fuel supplier that certifies the sulfur content of the No. 2 fuel oil or waste oil, and a statement from the fuel supplier that certifies the chlorine content of the 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.

- (d) To document the compliance status with Condition D.1.12, the Permittee shall maintain a daily record of visible emission notations of the aggregate dryer/mixer stack exhaust. 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 the compliance status with Condition D.1.14, the Permittee shall maintain a daily record of the pressure drop across the baghouse. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for that lack of a pressure drop reading (e.g. the process did not operate that day).
- (f) Section C - General Record Keeping Requirements, of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.1.16 Reporting Requirements

A quarterly summary of the information to document the compliance status with Conditions D.1.1, D.1.2, D.1.3, and D.1.5 shall be submitted using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

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

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

- (a) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

(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.2.1 Particulate Matter (PM) and PM10 [326 IAC 2-8-4] [326 IAC 2-2]

Pursuant to 326 IAC 2-8 and 326 IAC 2-2, the Permittee shall sweep paved roads as needed and spray water on unpaved areas as needed in order to control PM and PM10 emissions from paved and unpaved roads. Compliance with this limit, combined with the PM and PM10 emissions from other units at this source, will render 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

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

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

- (c) One (1) Recycled Asphalt Product (RAP) system, constructed in 2006, with a maximum throughput capacity of 45 tons of asphalt per hour, consisting of the following [40 CFR 60, Subpart 000]:
- (1) One (1) RAP cold feed system feed bin,
 - (2) One (1) RAP cold feed system lump breaker,
 - (3) One (1) RAP cold feed system conveyor system, and
 - (4) RAP storage piles with a total maximum capacity of 20,000 tons.

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

A Preventative Maintenance Plan, is required for this facility and its control device. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

New Source Performance Standards (NSPS) Requirements

D.3.2 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1 for the RAP system except as otherwise specified in 40 CFR Part 60, Subpart 000.
- (b) Pursuant to 40 CFR 60.10, the Permittee shall submit all required notifications and reports to:

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

D.3.3 New Source Performance Standard for Nonmetallic Mineral Processing Plants Requirements [40 CFR Part 60, Subpart 000] [326 IAC 12]

Pursuant to 40 CFR Part 60.670, the Permittee shall comply with the provisions of 40 CFR 60, Subpart 000 (New Source Performance Standards Nonmetallic Mineral Processing Plants), which are incorporated by reference as 326 IAC 12 for the RAP system as follows.

Subpart 000—Standards of Performance for Nonmetallic Mineral Processing Plants

Source: 51 FR 31337, Aug. 1, 1985, unless otherwise noted.

§ 60.670 Applicability and designation of affected facility.

(a)(1) Except as provided in paragraphs (a)(2), (b), (c), and (d) of this section, the provisions of this subpart are applicable to the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station. Also, crushers and grinding mills at hot mix asphalt facilities that reduce the size of nonmetallic minerals embedded in recycled asphalt pavement and subsequent affected facilities up to, but not including, the first storage silo or bin are subject to the provisions of this subpart.

(e) An affected facility under paragraph (a) of this section that commences construction, reconstruction, or modification after August 31, 1983 is subject to the requirements of this part.

(f) Table 1 of this subpart specifies the provisions of subpart A of this part 60 that apply and those that do not apply to owners and operators of affected facilities subject to this subpart.

Table 1—Applicability of Subpart A to Subpart 000

Subpart A reference	Applies to Subpart 000	Comment
60.1, Applicability	Yes	
60.2, Definitions	Yes	
60.3, Units and abbreviations	Yes	
60.4, Address:		
(a)	Yes	
(b)	Yes	
60.5, Determination of construction or modification	Yes	
60.6, Review of plans	Yes	
60.7, Notification and recordkeeping	Yes	Except in (a)(2) report of anticipated date of initial startup is not required (§60.676(h)).
60.8, Performance tests	Yes	Except in (d), after 30 days notice for an initially scheduled performance test, any rescheduled performance test requires 7 days notice, not 30 days (§60.675(g)).
60.9, Availability of information	Yes	
60.10, State authority	Yes	
60.11, Compliance with standards and maintenance requirements	Yes	Except in (b) under certain conditions (§§60.675 (c)(3) and (c)(4)), Method 9 observation may be reduced from 3 hours to 1 hour. Some affected facilities exempted from Method 9 tests (§60.675(h)).
60.12, Circumvention	Yes	
60.13, Monitoring requirements	Yes	
60.14, Modification	Yes	
60.15, Reconstruction	Yes	
60.16, Priority list	Yes	
60.17, Incorporations by reference	Yes	

Subpart A reference	Applies to Subpart OOO	Comment
60.18, General control device	No	Flares will not be used to comply with the emission limits.
60.19, General notification and reporting requirements	Yes	

[51 FR 31337, Aug. 1, 1985, as amended at 62 FR 31359, June 9, 1997]

§ 60.671 Definitions.

All terms used in this subpart, but not specifically defined in this section, shall have the meaning given them in the Act and in subpart A of this part.

Bagging operation means the mechanical process by which bags are filled with nonmetallic minerals.

Belt conveyor means a conveying device that transports material from one location to another by means of an endless belt that is carried on a series of idlers and routed around a pulley at each end.

Bucket elevator means a conveying device of nonmetallic minerals consisting of a head and foot assembly which supports and drives an endless single or double strand chain or belt to which buckets are attached.

Building means any frame structure with a roof.

Capacity means the cumulative rated capacity of all initial crushers that are part of the plant.

Capture system means the equipment (including enclosures, hoods, ducts, fans, dampers, etc.) used to capture and transport particulate matter generated by one or more process operations to a control device.

Control device means the air pollution control equipment used to reduce particulate matter emissions released to the atmosphere from one or more process operations at a nonmetallic mineral processing plant.

Conveying system means a device for transporting materials from one piece of equipment or location to another location within a plant. Conveying systems include but are not limited to the following: Feeders, belt conveyors, bucket elevators and pneumatic systems.

Crusher means a machine used to crush any nonmetallic minerals, and includes, but is not limited to, the following types: jaw, gyratory, cone, roll, rod mill, hammermill, and impactor.

Enclosed truck or railcar loading station means that portion of a nonmetallic mineral processing plant where nonmetallic minerals are loaded by an enclosed conveying system into enclosed trucks or railcars.

Fixed plant means any nonmetallic mineral processing plant at which the processing equipment specified in §60.670(a) is attached by a cable, chain, turnbuckle, bolt or other means (except electrical connections) to any anchor, slab, or structure including bedrock.

Fugitive emission means particulate matter that is not collected by a capture system and is released to the atmosphere at the point of generation.

Grinding mill means a machine used for the wet or dry fine crushing of any nonmetallic mineral. Grinding mills include, but are not limited to, the following types: hammer, roller, rod, pebble and ball, and fluid energy. The grinding mill includes the air conveying system, air separator, or air classifier, where such systems are used.

Initial crusher means any crusher into which nonmetallic minerals can be fed without prior crushing in the plant.

Nonmetallic mineral means any of the following minerals or any mixture of which the majority is any of the following minerals:

(a) Crushed and Broken Stone, including Limestone, Dolomite, Granite, Traprock, Sandstone, Quartz, Quartzite, Marl, Marble, Slate, Shale, Oil Shale, and Shell.

(b) Sand and Gravel.

- (c) Clay including Kaolin, Fireclay, Bentonite, Fuller's Earth, Ball Clay, and Common Clay.
- (d) Rock Salt.
- (e) Gypsum.
- (f) Sodium Compounds, including Sodium Carbonate, Sodium Chloride, and Sodium Sulfate.
- (g) Pumice.
- (h) Gilsonite.
- (i) Talc and Pyrophyllite.
- (j) Boron, including Borax, Kernite, and Colemanite.
- (k) Barite.
- (l) Fluorospar.
- (m) Feldspar.
- (n) Diatomite.
- (o) Perlite.
- (p) Vermiculite.
- (q) Mica.
- (r) Kyanite, including Andalusite, Sillimanite, Topaz, and Dumortierite.

Nonmetallic mineral processing plant means any combination of equipment that is used to crush or grind any nonmetallic mineral wherever located, including lime plants, power plants, steel mills, asphalt concrete plants, portland cement plants, or any other facility processing nonmetallic minerals except as provided in §60.670 (b) and (c).

Portable plant means any nonmetallic mineral processing plant that is mounted on any chassis or skids and may be moved by the application of a lifting or pulling force. In addition, there shall be no cable, chain, turnbuckle, bolt or other means (except electrical connections) by which any piece of equipment is attached or clamped to any anchor, slab, or structure, including bedrock that must be removed prior to the application of a lifting or pulling force for the purpose of transporting the unit.

Production line means all affected facilities (crushers, grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins, and enclosed truck and railcar loading stations) which are directly connected or are connected together by a conveying system.

Screening operation means a device for separating material according to size by passing undersize material through one or more mesh surfaces (screens) in series, and retaining oversize material on the mesh surfaces (screens).

Size means the rated capacity in tons per hour of a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station; the total surface area of the top screen of a screening operation; the width of a conveyor belt; and the rated capacity in tons of a storage bin.

Stack emission means the particulate matter that is released to the atmosphere from a capture system.

Storage bin means a facility for storage (including surge bins) or nonmetallic minerals prior to further processing or loading.

Transfer point means a point in a conveying operation where the nonmetallic mineral is transferred to or from a belt conveyor except where the nonmetallic mineral is being transferred to a stockpile.

Truck dumping means the unloading of nonmetallic minerals from movable vehicles designed to transport nonmetallic minerals from one location to another. Movable vehicles include but are not limited to: trucks, front end loaders, skip hoists, and railcars.

Vent means an opening through which there is mechanically induced air flow for the purpose of exhausting from a building air carrying particulate matter emissions from one or more affected facilities.

Wet mining operation means a mining or dredging operation designed and operated to extract any nonmetallic mineral regulated under this subpart from deposits existing at or below the water table, where the nonmetallic mineral is saturated with water.

Wet screening operation means a screening operation at a nonmetallic mineral processing plant which removes unwanted material or which separates marketable fines from the product by a washing process which is designed and operated at all times such that the product is saturated with water.

[51 FR 31337, Aug. 1, 1985, as amended at 62 FR 31359, June 9, 1997]

§ 60.672 Standard for particulate matter.

(b) On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.11 of this part, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any fugitive emissions which exhibit greater than 10 percent opacity, except as provided in paragraphs (c), (d), and (e) of this section.

(c) On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.11 of this part, no owner or operator shall cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15 percent opacity.

(d) Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of this section.

[51 FR 31337, Aug. 1, 1985, as amended at 62 FR 31359, June 9, 1997; 65 FR 61778, Oct. 17, 2000]

§ 60.673 Reconstruction.

(a) The cost of replacement of ore-contact surfaces on processing equipment shall not be considered in calculating either the "fixed capital cost of the new components" or the "fixed capital cost that would be required to construct a comparable new facility" under §60.15. Ore-contact surfaces are crushing surfaces; screen meshes, bars, and plates; conveyor belts; and elevator buckets.

(b) Under §60.15, the "fixed capital cost of the new components" includes the fixed capital cost of all depreciable components (except components specified in paragraph (a) of this section) which are or will be replaced pursuant to all continuous programs of component replacement commenced within any 2-year period following August 31, 1983.

§ 60.675 Test methods and procedures.

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

(c)(1) In determining compliance with the particulate matter standards in §60.672 (b) and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:

(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.

(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

(3) When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) of this subpart, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

(i) There are no individual readings greater than 10 percent opacity; and

(ii) There are no more than 3 readings of 10 percent for the 1-hour period.

(4) When determining compliance with the fugitive emissions standard for any crusher at which a capture system is not used as described under §60.672(c) of this subpart, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

(i) There are no individual readings greater than 15 percent opacity; and

(ii) There are no more than 3 readings of 15 percent for the 1-hour period.

(e) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

(1) For the method and procedure of paragraph (c) of this section, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

(i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.

(ii) Separate the emissions so that the opacity of emissions from each affected facility can be read.

(g) If, after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

[54 FR 6680, Feb. 14, 1989, as amended at 62 FR 31360, June 9, 1997]

§ 60.676 Reporting and recordkeeping.

(a) Each owner or operator seeking to comply with §60.670(d) shall submit to the Administrator the following information about the existing facility being replaced and the replacement piece of equipment.

(1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:

(i) The rated capacity in megagrams or tons per hour of the existing facility being replaced and

(ii) The rated capacity in tons per hour of the replacement equipment.

(2) For a screening operation:

(i) The total surface area of the top screen of the existing screening operation being replaced and

(ii) The total surface area of the top screen of the replacement screening operation.

(3) For a conveyor belt:

(i) The width of the existing belt being replaced and

(ii) The width of the replacement conveyor belt.

(4) For a storage bin:

(i) The rated capacity in megagrams or tons of the existing storage bin being replaced and

(ii) The rated capacity in megagrams or tons of replacement storage bins.

(f) The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of this subpart, including reports of opacity observations made using Method 9 to demonstrate compliance with §60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with §60.672(e).

(h) The subpart A requirement under §60.7(a)(2) for notification of the anticipated date of initial startup of an affected facility shall be waived for owners or operators of affected facilities regulated under this subpart.

(i) A notification of the actual date of initial startup of each affected facility shall be submitted to the Administrator.

(1) For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the owner or operator to the Administrator. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.

(2) For portable aggregate processing plants, the notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.

(j) The requirements of this section remain in force until and unless the Agency, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such States. In that event, affected facilities within the State will be relieved of the obligation to comply with the reporting requirements of this section, provided that they comply with requirements established by the State.

[51 FR 31337, Aug. 1, 1985, as amended at 54 FR 6680, Feb. 14, 1989; 62 FR 31360, June 9, 1997; 65 FR 61778, Oct. 17, 2000]

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Milestone Contractors, L.P.
Source Address: 699 S 500 E, Decatur, Indiana 46733
FESOP Permit No.: F001-24364-00058

**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 AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC-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: 699 S 500 E, Decatur, Indiana 46733
FESOP Permit No.: F001-24364-00058

This form consists of 2 pages

Page 1 of 2

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

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

FESOP Quarterly Report

Source Name: Milestone Contractors, L.P.
 Source Address: 699 S 500 E, Decatur, Indiana 46733
 FESOP Permit No.: F001-24364-00058
 Facility: 96.8 MMBtu per hour aggregate dryer burner
 Parameter: Waste oil and equivalent usage limit to limit SO₂ emissions
 Limit: The usage of waste oil with a sulfur content of 0.75% and waste oil equivalents in the 96.8 MMBtu per hour burner for the aggregate dryer shall be limited to 1,723,000 U.S. gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For purposes of determining compliance, every 1,000 gallons of No. 2 distillate fuel oil burned shall be equivalent to 644 gallons of waste oil based on SO₂ emissions.

YEAR: _____

Month	Column 1		Column 2		Column 1 + Column 2	
	Waste oil and equivalent usage this month (gallons)		Waste oil and equivalent usage previous 11 months (gallons)		12 month total waste oil and equivalent usage (gallons)	
	Waste oil	Equiv.	Waste Oil	Equiv.	Waste Oil	Equiv.
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: _____

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

FESOP Quarterly Report

Source Name: Milestone Contractors, L.P.
Source Address: 699 S 500 E, Decatur, Indiana 46733
FESOP Permit No.: F001-24364-00058
Facility: 96.8 MMBtu per hour aggregate dryer burner
Parameter: Waste oil usage limit to limit HCl emissions
Limit: The usage waste oil with a chlorine content of 0.17% in the 96.8 MMBtu per hour burner for the aggregate dryer shall be limited to 1,723,000 U.S. gallons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

Month	Column1	Column 2	Column 1 + Column 2
	Waste oil usage this month (gallons)	Waste oil usage previous 11 months (gallons)	12 month total waste oil 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: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE AND ENFORCEMENT BRANCH
 Single Liquid Binder Solvent Quarterly Report**

Source Name: Milestone Contractors, L.P.
 Source Address: 699 S 500 E, Decatur, Indiana 46733
 FESOP Permit No.: F001-24364-00058
 Facility: Asphalt Plant
 Parameter: Liquid Binder Usage
 Limit: Cutback asphalt rapid cure liquid binder usage shall not exceed 90.6 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month. Cutback asphalt medium cure liquid binder usage shall not exceed 123 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month. Cutback asphalt slow cure liquid binder usage shall not exceed 344 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month. Emulsified asphalt with solvent liquid binder usage shall not exceed 185.6 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month. Other asphalt with solvent liquid binder shall not exceed 3,444 tons of VOC solvent per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

The following liquid binder solvent was the only liquid binder solvent used over the previous 12 month period: _____ Limit applicable: _____
 (use of more than one binder requires the use of the "Multiple Liquid Binder Solvents" report form)

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

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

Deviation has been reported on: _____
 Submitted by: _____
 Title / Position: _____
 Signature: _____
 Date: _____
 Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE AND ENFORCMENT BRANCH
 Multiple Liquid Binder Solvent Quarterly Report**

Source Name: Milestone Contractors, L.P.
Source Address: 699 S 500 E, Decatur, Indiana 46733
FESOP No.: F001 24364 00058
Facility: Asphalt Plant
Parameter: VOC Emissions
Limit: 86.1 tons per year
Year:

Month	Type of Liquid binder	Solvent Usage This Month (tons)	Divisor	VOC emitted This Month (tons) for each solvent	VOC emitted This Month (tons)	VOC emitted Previous 11 Months (tons)	This month + Previous 11 months =VOC emitted 12 Month Total (tons)
Month 1	Cutback asphalt rapid cure		1.053				
	Cutback asphalt medium cure		1.429				
	Cutback asphalt slow cure		4.0				
	Emulsified asphalt		2.155				
	other asphalt		40.0				
Month 2	Cutback asphalt rapid cure		1.053				
	Cutback asphalt medium cure		1.429				
	Cutback asphalt slow cure		4.0				
	Emulsified asphalt		2.155				
	other asphalt		40.0				
Month 3	Cutback asphalt rapid cure		1.053				
	Cutback asphalt medium cure		1.429				
	Cutback asphalt slow cure		4.0				
	Emulsified asphalt		2.155				
	other asphalt		40.0				

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

Submitted by: _____

Title / Position: _____
 Signature: _____

Phone: _____

Date: _____

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

Source Name: Milestone Contractors, L.P.
Source Address: 699 S 500 E, Decatur, Indiana 46733
FESOP Permit No.: F001-24364-00058

Months: _____ to _____ Year: _____

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from the requirements of this permit, 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>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

**Appendix A: Emission Calculations
Emission Summary**

**Company Name: Milestone Contractors, L.P.
Address: 699 South County Road 500 East, Decatur, Indiana 46733
FESOP #: 001-24364-00058
Administrative Amendment #: 001-32619-00058
Reviewer: Deborah Cole**

Unlimited PTE (tons/yr)

	PM	PM10	SO2	NOx	VOC	CO	GHG	Total HAPs	HCl
Aggregate Dryer/Mixer	42,048.00	5,913.00	389.54	157.68	47.30	525.60	68,446.71	40.41	39.64
Unpaved Roads	53.81	13.71	--	--	--	--		--	--
Material Conveying/Handling	28.58	13.52	--	--	--	--		--	--
Storage Piles	0.03	0.01	--	--	--	--		--	--
RAP	1.66	0.69	--	--	--	--		--	--
Cold Mix Liquid Binders*	--	--	--	--	>250	--		--	--
Storage Tanks**					4.00				
Total	42,132.07	5,940.93	389.54	157.68	>250	525.60	68,446.71	40.41	39.64

Limited PTE (tons/yr)

	PM	PM10	SO2	NOx	VOC	CO	GHG	Total HAPs	HCl
Aggregate Dryer/Mixer***	77.93	77.93	95.00	41.57	8.91	99.00	68,446.71	<24.0	<9.90
Unpaved Roads	26.90	6.86	--	--	--	--		--	--
Material Conveying/Handling	28.58	13.52	--	--	--	--		--	--
Storage Piles	0.03	0.01	--	--	--	--		--	--
RAP	1.66	0.69	--	--	--	--		--	--
Cold Mix Liquid Binders	--	--	--	--	86.09	--		--	--
Storage Tanks**					4.00				
Total	135.09	99.00	95.00	41.57	99.00	99.00	68,446.71	<25.0	<10.0

*As a worst case scenario, it is assumed that the production of cold mix asphalt using liquid binders will have a potential to emit VOC greater than 250 tons per year. The permit includes limits to keep the VOC emissions from the entire source less than 250 tons per year.

**As a worst case scenario, it is assumed that each of the four storage tanks at this source have the potential to emit 1.00 ton per year of VOC.

***The limited PTE of NOx from the aggregate dryer/mixer shown in the table above represents the potential to emit when burning natural gas. The permit does not include a limit for NOx emissions from the aggregate dryer/mixer when burning natural gas. The NOx emission limit included in the permit for the aggregate dryer/mixer when burning No. 2 fuel oil or waste oil will limit Nox emissions to less than 41.6 tons per year.

**Appendix A: Emission Calculations
Aggregate Dryer/Mixer - Natural Gas**

Company Name: Milestone Contractors, L.P.

Address: 699 South County Road 500 East, Decatur, Indiana 46733

FESOP #: 001-24364-00058

Administrative Amendment #: 001-32619-00058

Reviewer: Deborah Cole

Maximum Throughput Capacity (tons/hr)	Maximum Burner Capacity (MMBtu/hr)	Potential Throughput (MMscf/yr)
300	96.8	831

1. PTE Using AP-42, Chapter 1.4

		PM*	PM10*	SO ₂	NOx**	VOC	CO	Single HAP	Total HAPs
AP-42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, and 1.4-4 (7/98).	Emission Factor (lb/MMscf)	1.9	7.6	0.6	100	5.5	84.0	1.8	1.89
	PTE (tons/yr)	0.79	3.16	0.25	41.6	2.29	34.9	0.75	0.79

2. PTE Using AP-42, Chapter 11.1

		PM	PM10	SO ₂	NOx	VOC	CO	Single HAP	Total HAPs
AP-42, Chapter 11.1, Tables 11.1, 11.1-5, 11.1-6, 11.1-9, 11.1-11 (3/04)	Emission Factor (lb/ton)	32.0	4.5	0.0046	0.025	0.0082	0.40	0.0027	0.01
	PTE (tons/yr)	42,048	5,913	6.04	32.9	10.8	526	3.55	10.0

3. Worst Case PTE for Natural Gas Combustion

	PM	PM10	SO ₂	NOx	VOC	CO	Single HAP	Total HAPs
Worst Case PTE When Burning Natural Gas (tons/yr)***	42,048	5,913	6.04	41.6	10.8	526	3.55	10.0

* PM emission factor from AP-42, Chapter 1.4 is for filterable PM only. PM10 emission factor is filterable and condensable PM combined.

**Emission factor for NOx (Uncontrolled) = 100 lb/MMscf.

*** When burning natural gas, the worst case PTE emission factors for PM, PM10, SO₂, VOC, CO, and HAPs are from AP-42, Chapter 11.1; the worst case PTE emission factor for NOx is from AP-42, Chapter 1.4.

Methodology

Potential Throughput (MMscf/yr) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMscf/1,020 MMBtu

PTE (tons/yr) (AP-42, Chapter 1.4) = Potential Throughput (MMscf/yr) x Emission Factor (lbs/MMscf) x 1 ton/2,000 lbs

PTE (tons/yr) (AP-42, Chapter 11.1) = Maximum Throughput Capacity (tons/hr) x Emission Factor (lbs/ton) x 8,760 hrs/yr x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
Aggregate Dryer/Mixer - No. 2 Fuel Oil**

Company Name: Milestone Contractors, L.P.

Address: 699 South County Road 500 East, Decatur, Indiana 46733

FESOP #: 001-24364-00058

Administrative Amendment #: 001-32619-00058

Reviewer: Deborah Cole

Maximum Throughput Capacity (tons/hr)	Maximum Burner Capacity (MMBtu/hr)	Potential Throughput (kgal/yr)	Weight % Sulfur (%)
300	96.8	6,057	0.50

1. PTE Using AP-42, Chapter 1.3

		PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP	Organic HAPs	Metals
AP-42, Chapter 1.3, Tables 1.3-1, 1.3-2, 1.3-3, 1.3-9, and 1.3-11 (9/98)	Emission Factor (lb/kgal)	2.0	3.3	71.0 (142 S)	20	0.34	5.0	0.061	0.07	4.90E-05 (lb/MMBtu)
	PTE (tons/yr)	6.06	9.99	215	60.6	1.03	15.1	0.18	0.21	0.02

2. PTE Using AP-42, Chapter 11.1

		PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP	Total HAPs
AP-42, Chapter 11.1, Tables 11.1, 11.1-5, 11.1-6, 11.1-9, 11.1-11 (3/04)	Emission Factor (lb/ton)	32.0	4.5	0.088	0.12	0.0082	0.40	0.0027	0.01
	PTE (tons/yr)	42,048	5,913	116	158	10.8	526	3.55	10.0

3. Worst Case PTE for No. 2 Fuel Oil Combustion*

	PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP	Total HAPs
Worst Case PTE When Burning No. 2 Fuel Oil (tons/yr)	42,048	5,913	215	158	10.8	526	3.55	10.0

1 gallon of No. 2 Fuel Oil has a heating value of 140,000 Btu

* When burning No. 2 fuel oil, the worst case PTE emission factors for PM, PM10, NO_x, VOC, CO, and HAPs are from AP-42, Chapter 11.1; the worst case PTE emission factor for SO₂ is from AP-42, Chapter 1.3.

Methodology

Potential Throughput (kgals/yr) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 kgal/1,000 gal x 1 gal/0.140 MMBtu

Potential to Emit (tons/yr) (AP-42, Chapter 1.3) = Potential Throughput (kgals/yr) x Emission Factor (lb/kgal) x 1 ton/2,000 lbs

PTE (tons/yr) (AP-42, Chapter 11.1) = Maximum Throughput Capacity (tons/hr) x Emission Factor (lbs/ton) x 8,760 hrs/yr x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
Aggregate Dryer/Mixer - Waste Oil**

Company Name: Milestone Contractors, L.P.

Address: 699 South County Road 500 East, Decatur, Indiana 46733

FESOP #: 001-24364-00058

Administrative Amendment #: 001-32619-00058

Reviewer: Deborah Cole

Maximum Throughput Capacity (tons/hr)	Maximum Burner Capacity (MMBtu/hr)	Potential Throughput (kgal/yr)	Weight % Sulfur (%)	Weight % Ash (%)	Weight % Chlorine (%)
300	96.8	7,066	0.75	0.7	0.17

1. PTE Using AP-42, Chapter 1.11

		PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP (HCl)	Total HAPs
AP-42, Chapter 1.11, Tables 1.11-1, 1.11-2, 1.11-3, 1.11-4, and 1.11-5 (10/96)	Emission Factor (lb/kgal)	44.8 (64 A)	35.7 (51 A)	110 (147 S)	19	1.0	5.0	11.2 (66 C)	11.4
	PTE (tons/yr)	158	126	390	67.1	3.53	17.7	39.6	40.4

2. PTE Using AP-42, Chapter 11.1

		PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP	Total HAPs
AP-42, Chapter 11.1, Tables 11.1, 11.1-5, 11.1-6, 11.1-9, 11.1-11 (3/04)	Emission Factor (lb/ton)	32.0	4.5	0.088	0.12	0.036	0.40	0.0027	0.01
	PTE (tons/yr)	42,048	5,913	116	158	47.3	526	3.55	10.1

3. Worst Case PTE for Waste Oil Combustion*

	PM	PM10	SO ₂	NO _x	VOC	CO	Single HAP (HCl)	Total HAPs
Worst Case PTE When Burning Waste Oil (tons/yr)	42,048	5,913	390	158	47.3	526	39.6	40.4

1 gallon of waste oil has a heating value of 120,000 Btu

* When burning waste oil, the worst case PTE emission factors for PM, PM10, NO_x, VOC, and CO are from AP-42, Chapter 11.1; the worst case PTE emission factors for SO₂ and HAPs are from AP-42, Chapter 1.11.

Methodology

Potential Throughput (MMscf/yr) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMscf/1,020 MMBtu

PTE (tons/yr) = Potential Throughput (MMscf/yr) x Emission Factor (lbs/MMscf) x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
Aggregate Dryer/Mixer Limits**

**Company Name: Milestone Contractors, L.P.
Address: 699 South County Road 500 East, Decatur, Indiana 46733
FESOP #: 001-24364-00058
Administrative Amendment #: 001-32619-00058
Reviewer: Deborah Cole**

Max Capacity (tons/hr)

300

Limited Capacity (tons/yr)

495,000

	Limited Emission Factor	Control Efficiency (%)
PM	0.3149	99.9%
PM10	0.3149	99.9%

Emission Factors (lbs/ton)	PM	PM10	CO	NOx	VOC
	32	4.5	0.4	0.12	0.036

Unlimited Potential to Emit (tons/yr)	PM	PM10	CO	NOx	VOC
	42,048	5,913	526	158	47.3

Limited Potential to Emit (tons/yr)	PM	PM10	CO	NOx	VOC
	77.9	77.9	99.0	29.7	8.91

Potential Controlled Emissions (tons/yr)	PM	PM10	CO	NOx	VOC
	50.5	7.10	99.0	29.7	8.91

See pages 3 and 4 of the appendix for emission estimates for the other pollutants of combustion from the aggregate dryer/mixer. Uncontrolled emission factors are from AP-42 Chapter 11.1, Table 11.1-1 [3/04].

Methodology

Uncontrolled Potential to Emit (tons/yr) = Maximum Capacity (tons/hr) x Uncontrolled Emission Factor (lbs/ton) x 8760 hr/yr x 1 ton/2000 lbs

Limited Potential to Emit (tons/yr) = Maximum Capacity (tons/hr) x Limited Emission Factor (lbs/ton) x 8760 hr/yr x 1ton/2000 lbs

Controlled Potential to Emit (tons/yr) = Potential Uncontrolled Emissions (tons/yr) x (1-Control Efficiency %)

**Appendix A: Emission Calculations
Fuel Usage Limit Calculations**

Company Name: Milestone Contractors, L.P.

Address: 699 South County Road 500 East, Decatur, Indiana 46733

FESOP #: 001-24364-00058

Administrative Amendment #: 001-32619-00058

Reviewer: Deborah Cole

Maximum Heat Input =	96.8 MMBtu/hr
Potential Emissions From Waste Oil in Tons/Year	
SO ₂	390

SO₂ limit: 95 tpy

Potential Waste Oil Usage = (96.8 MMBtu/hr)*(8,760 hrs/yr)*(1 gal/0.12 MMBtu)*(1 kgal/1000 gal) = 7,066 kgal/yr

Fuel Usage Limit for Waste Oil = (95.0 tpy/390 tpy)*(7,066 kgal/yr) = 1,723 kgal/year

Maximum Heat Input =	96.8 MMBtu/hr
Potential Emissions From Fuel Oil #2 in Tons/Year	
SO ₂	215

SO₂ limit: 95 tpy

Potential #2 usage = (96.8 MMBtu/hr)*(8,760 hrs/yr)*(1 gal/.14 MMBtu)*(1 kgal/1000 gal) = 6,057 kgal/yr

Fuel Usage Limit for #2 = (95.0 tpy/215 tpy)*(6,057 kgal/yr) = 2,676 kgal/year

Fuel equivalence for re-refined waste oil is determined from the limiting pollutant, SO₂, as follows:

$$\frac{71.0 \text{ lb/1000 gal}}{110.3 \text{ lb/1000 gal}} = 644 \text{ gallons per 1000 gallons No. 2 distillate oil (i.e., every 1000 gallons of No. 2 oil burned is equivalent to 644 gallons of waste oil burned, based on SO}_2 \text{ emissions)}$$

Appendix A: Emission Calculations
Potential to Emit Calculations for Unpaved Roads

Company Name: Milestone Contractors, L.P.
Address: 699 South County Road 500 East, Decatur, Indiana 46733
FESOP #: 001-24364-00058
Administrative Amendment #: 001-32619-00058
Reviewer: Deborah Cole

1. Emission Factors: AP-42

According to AP-42, Chapter 13.2.2 - Unpaved Roads (11/06), the PM/PM10 emission factors for unpaved roads can be estimated from the following equation:

$$E = k \times (s/12)^a \times (w/3)^b \times ((365 - p)/365)$$

where:

- E = emission factor (lb/vehicle mile traveled)
- s = surface material silt content (%) = 4.8 % Provided by Source
- w = mean vehicle weight (tons) = 38.0 tons
- k = empirical constant = 4.9 for PM and 1.5 for PM10
- a = empirical constant = 0.7 for PM and 0.9 for PM10
- b = empirical constant = 0.45 for PM and PM10
- p = number of days per year with 0.01 inches precipitation = 125

2. Potential to Emit (PTE) of PM/PM10 Before Control from Unpaved Roads:

Vehicle Type	Mean Vehicle Weight (tons)	Vehicle Miles Traveled (VMT)* (miles/yr)	PM Emission Factor (lbs/mile)	PM10 Emission Factor (lbs/mile)	PTE of PM (tons/yr)	PTE of PM10 (tons/yr)
Front End Loader	38.0	20,236	5.32	1.36	53.8	13.7

Methodology

VMT (miles/yr) = 30 round trips/hour x 0.077 miles/round trip x 8,760 hrs/yr
 PTE of PM/PM10 (tons/yr) = VMT (miles/yr) x PM/PM10 Emission Factors (lbs/mile) x 1 ton/ 2000 lbs

3. Potential to Emit (PTE) of PM/PM10 after Control from Unpaved Roads:

The control efficiency from the procedures in the Fugitive Dust Control Plan for unpaved roads is assumed to be 50%.

PTE of PM after Control = 53.8 tons/yr x (1-50%) = **26.9 tons/yr**
 PTE of PM10 after Control = 13.7 tons/yr x (1-50%) = **6.86 tons/yr**

**Appendix A: Emission Calculations
Potential to Emit from Conveying and Handling**

**Company Name: Milestone Contractors, L.P.
Address: 699 South County Road 500 East, Decatur, Indiana 46733
FESOP #: 001-24364-00058
Administrative Amendment #: 001-32619-00058
Reviewer: Deborah Cole**

1. Emission Factors: AP-42

According to AP-42, Chapter 13.2.4 - Aggregate Handling and Storage Piles (11/06), the PM/PM10 emission factors for aggregate handling for batch or continuous drop operations can be estimated from the following equation:

$$E = k (0.0032) \times (U/5)^{1.3} / (M/2)^{1.4}$$

where:

E = emission factor (lbs/ton)	
k = particle size multiplier =	0.74 for PM and 0.35 for PM10
M = material moisture content (%) =	4.80 %
U = mean wind speed =	15 mph
PM Emission Factor =	0.0029 lbs/ton
PM10 Emission Factor =	0.0014 lbs/ton

2. Potential to Emit (PTE) of PM/PM10 from Material Conveying and Handling:

Drop Point Description	Maximum Throughput Capacity (tons/hr)	PM Emission Factor (lbs/ton)	PM10 Emission Factor (lbs/ton)	PTE of PM (tons/yr)	PTE of PM10 (tons/yr)
Front End Loaders to Feeder Bins	315	0.0029	0.0014	4.00	1.89
Conveyor to Dryer	315	0.0029	0.0014	4.00	1.89
Dryer to Elevator	315	0.0029	0.0014	4.00	1.89
Elevator to Screens	315	0.0029	0.0014	4.00	1.89
Screens to Hot Aggregate Bins	315	0.0029	0.0014	4.00	1.89
Bins to Weigh Hopper	315	0.0029	0.0014	4.00	1.89
Weigh Hopper to Mixer	315	0.0029	0.0014	4.00	1.89
RAP to Storage Bins	45.0	0.0029	0.0014	0.57	0.27
			Total	28.6	13.5

Methodology:

PTE (tons/yr) = Maximum Throughput Capacity (tons/hr) x Emission Factor (lbs/ton) x 8,760 hrs/yr x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
Potential to Emit from Storage Piles**

Company Name: Milestone Contractors, L.P.

Address: 699 South County Road 500 East, Decatur, Indiana 46733

FESOP #: 001-24364-00058

Administrative Amendment #: 001-32619-00058

Reviewer: Deborah Cole

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

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

Material	s (% silt)	p	f	Emission Factor (lb/acre/day)
RAP	0.2	125	15	0.23

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

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

$$\text{PTE of PM (storage)} = \frac{E_f \cdot sc \cdot (20 \text{ cuft/ton}) \cdot (365 \text{ day/yr})}{(2000 \text{ lb/ton}) \cdot (43560 \text{ sqft/acre}) \cdot (12 \text{ ft})}$$

Material	sc (tons storage capacity)	PTE of PM (tons/yr)
RAP	20,000	0.03
Total		0.03

PM-10 = 35% of PM:

Material	PTE of PM10 (tons/yr)
RAP	0.01
Total	0.01

**Appendix A: Emission Calculations
Potential to Emit Calculations for RAP System**

Company Name: Milestone Contractors, L.P.

Address: 699 South County Road 500 East, Decatur, Indiana 46733

FESOP #: 001-24364-00058

Administrative Amendment #: 001-32619-00058

Reviewer: Deborah Cole

Maximum Capacity:

45 tons/hr

	Breaker		Conveyor		Total	
	PM*	PM10*	PM	PM10	PM	PM10
Emission Factor in lb/ton	0.0054	0.0024	0.003	0.0011	N/A	N/A
Potential Emissions in tons/yr	1.06	0.47	0.59	0.22	1.66	0.69

Emission factors are from AP-42, Table 11.19.2-2 [8/04]

*PM and PM10 emission factors for Tertiary Crushing are used as an upper limit for the breaker.

Methodology:

Potential Emissions (tons/yr) = Maximum Capacity (tons/hr) x Emission Factor (lb/ton) x 8760 hrs/yr x 1 ton/2000 lbs

**Appendix A: Unlimited Emissions Calculations
Entire Source - Drum Mix**

Company Name: Milestone Contractors, L.P.
Address: 699 South County Road 500 East, Decatur, Indiana 46733
FESOP #: 001-24364-00058
Administrative Amendment #: 001-32619-00058
Reviewer: Deborah Cole

Asphalt Plant Maximum Capacity - Drum Mix

Maximum Hourly Asphalt Production =	300	ton/hr					
Maximum Annual Asphalt Production =	2,628,000	ton/yr					
Maximum Annual Blast Furnace Slag Usage =	0	ton/yr	1.5	% sulfur			
Maximum Annual Steel Slag Usage =	0	ton/yr	0.66	% sulfur			
Maximum Dryer Fuel Input Rate =	96.8	MMBtu/hr					
Natural Gas Usage =	848	MMCF/yr					
No. 2 Fuel Oil Usage =	6,056,914	gal/yr, and	0.50	% sulfur			
No. 4 Fuel Oil Usage =	0	gal/yr, and	0.50	% sulfur			
Residual (No. 5 or No. 6) Fuel Oil Usage =	0	gal/yr, and	0.50	% sulfur			
Propane Usage =	0	gal/yr, and	0.20	gr/100 ft3 sulfur			
Butane Usage =	0	gal/yr, and	0.22	gr/100 ft3 sulfur			
Used/Waste Oil Usage =	6,056,914	gal/yr, and	0.75	% sulfur	0.70	% ash	0.000 % chlorine, 0.000 % lead
Diesel Fuel Usage - Generator < 600 HP =	0	gal/yr, and					
Diesel Fuel Usage - Generator > 600 HP =	0	gal/yr	0.50	% sulfur			
Unlimited PM Dryer/Mixer Emission Factor =	28.0	lb/ton of asphalt production					
Unlimited PM10 Dryer/Mixer Emission Factor =	6.5	lb/ton of asphalt production					
Unlimited PM2.5 Dryer/Mixer Emission Factor =	1.5	lb/ton of asphalt production					
Unlimited VOC Dryer/Mixer Emission Factor =	0.032	lb/ton of asphalt production					
Unlimited CO Dryer/Mixer Emission Factor =	0.13	lb/ton of asphalt production					
Unlimited Blast Furnace Slag SO2 Dryer/Mixer Emission Factor =	0.74	lb/ton of slag processed					
Unlimited Steel Slag SO2 Dryer/Mixer Emission Factor =	0.0014	lb/ton of slag processed					

Unlimited/Uncontrolled Emissions

Process Description	Unlimited/Uncontrolled Potential to Emit (tons/year)
	Greenhouse Gas Pollutants
	CO ₂ e
Ducted Emissions	
Dryer Fuel Combustion (worst case)	68,446.71
Dryer/Mixer (Process)	43,693.13
Dryer/Mixer Slag Processing (worst case)	0
Hot Oil Heater Fuel Combustion/Process (worst case)	0.00
Diesel-Fired Generator < 600 HP	0.00
Diesel-Fired Generator > 600 HP	0.00
Worst Case Emissions*	68,446.71
Fugitive Emissions	
Asphalt Load-Out, Silo Filling, On-Site	0
Material Storage Piles	0
Material Processing and Handling	0
Material Crushing, Screening, and	0
Unpaved and Paved Roads (worst case)	0
Cold Mix Asphalt Production	0
Gasoline Fuel Transfer and Dispensing	0
Volatile Organic Liquid Storage Vessels	0
Total Fugitive Emissions	0
Totals Unlimited/Uncontrolled PTE	68,446.71

negl = negligible

Worst Case Fuel Combustion is based on the fuel with the highest emissions for each specific pollutant.

*Worst Case Emissions (tons/yr) = Worst Case Emissions from Dryer Fuel Combustion and Dryer/Mixer + Worst Case Emissions From Dryer/Mixer Slag Processing + Worst Case Emissions from Hot Oil Heater Fuel Combustion and Hot Oil Heating System + Diesel-Fired Generator < 600 HP + Diesel-Fired Generator > 600 HP

Fuel component percentages provided by the source.

**Appendix A: Unlimited Emissions Calculations
Greenhouse Gas (CO₂e) Emissions from the
Dryer/Mixer Fuel Combustion**

Company Name: Milestone Contractors, L.P.
Address: 699 South County Road 500 East, Decatur, Indiana 46733
FESOP #: 001-24364-00058
Administrative Amendment #: 001-32619-00058
Reviewer: Deborah Cole

The following calculations determine the unlimited/uncontrolled emissions created from the combustion of natural gas, fuel oil, propane, butane, or used/waste oil in the dryer/mixer at the source.

Maximum Capacity

Maximum Fuel Input Rate =	98.6	MMBtu/hr								
Natural Gas Usage =	848	MMCF/yr								
No. 2 Fuel Oil Usage =	6,056,914	gal/yr, and	0.50	% sulfur						
No. 4 Fuel Oil Usage =	0	gal/yr, and	0.50	% sulfur						
Residual (No. 5 or No. 6) Fuel Oil Usage =	0	gal/yr, and	0.50	% sulfur						
Propane Usage =	0	gal/yr, and	0.20	gr/100 ft3 sulfur						
Butane Usage =	0	gal/yr, and	0.22	gr/100 ft3 sulfur						
Used/Waste Oil Usage =	6,056,914	gal/yr, and	0.75	% sulfur	0.70	% ash	0.000	% chlorine,	0.000	% lead

Unlimited/Uncontrolled Emissions

CO ₂ e Fraction	Emission Factor (units)							Global Warming Potentials (GWP)		
	Natural Gas (lb/MMCF)	No. 2 Fuel Oil (lb/kgal)	No. 4 Fuel Oil (lb/kgal)	Residual (No. 5 or No. 6) Fuel Oil (lb/kgal)	Propane (lb/kgal)	Butane (lb/kgal)	Used/Waste Oil (lb/kgal)	Name	Chemical Formula	Global warming potential
CO ₂	120,161.84	22,501.41	24,153.46	24,835.04	12,500.00	14,506.73	22,024.15	Carbon dioxide	CO ₂	1
CH ₄	2.49	0.91	0.97	1.00	0.60	0.67	0.89	Methane	CH ₄	21
N ₂ O	2.2	0.26	0.19	0.53	0.9	0.9	0.18	Nitrous oxide	N ₂ O	310

CO ₂ e Fraction	Unlimited/Uncontrolled Potential to Emit (tons/yr)						
	Natural Gas (tons/yr)	No. 2 Fuel Oil (tons/yr)	No. 4 Fuel Oil (tons/yr)	Residual (No. 5 or No. 6) Fuel Oil (tons/yr)	Propane (tons/yr)	Butane (tons/yr)	Used/ Waste Oil (tons/yr)
CO ₂	50,946.70	68,144.56	0.00	0.00	0.00	0.00	66,699.21
CH ₄	1.06	2.76	0.00	0.00	0.00	0.00	2.70
N ₂ O	0.93	0.79	0.00	0.00	0.00	0.00	0.55
Total	50,948.69	68,148.11	0.00	0.00	0.00	0.00	66,702.46

CO₂e for Worst Case Fuel* (tons/yr)
68,446.71

CO ₂ e Equivalent Emissions (tons/yr)	51,258.06	68,446.71	0.00	0.00	0.00	0.00	66,924.98
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Methodology

Fuel Usage from TSD Appendix A, page 1.
 Natural Gas Usage (MMCF/yr) = [Maximum Fuel Input Rate (MMBtu/hr)] * [8,760 hrs/yr] * [1 MMCF/1,000 MMBtu]
 Fuel Oil Usage (gal/yr) = [Maximum Fuel Input Rate (MMBtu/hr)] * [8,760 hrs/yr] * [1 gal/0.140 MMBtu]
 Propane Usage (gal/yr) = [Maximum Fuel Input Rate (MMBtu/hr)] * [8,760 hrs/yr] * [1 gal/0.0915 MMBtu]
 Butane Usage (gal/yr) = [Maximum Fuel Input Rate (MMBtu/hr)] * [8,760 hrs/yr] * [1 gal/0.102 MMBtu]
 Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
 Sources of Emission Factors for fuel combustion: (Note: To form a conservative estimate, the "worst case" emission factors have been used.)

Abbreviations

PTE = Potential to Emit
 CO₂ = Carbon Dioxide
 CH₄ = Methane
 N₂O = Nitrogen Dioxide

Natural Gas: Emission Factors for CO₂ and CH₄ from 40 CFR Part 98 Subpart C, Tables C-1 and 2, have been converted from kg/mmBtu to lb/MMCF. Emission Factor for N₂O from AP-42 Chapter 1.4 (dated 7/98), Table 1.4-2

No. 2, No. 4, and Residual (No. 5 or No. 6) Emission Factors for CO₂ and CH₄ from 40 CFR Part 98 Subpart C, Tables C-1 and 2, have been converted from kg/mmBtu to lb/kgal. Emission Factor for N₂O from AP-42

6) Fuel Oil: Chapter 1.3 (dated 5/10), Table 1.3-8

Propane: Emission Factor for CH₄ from 40 CFR Part 98 Subpart C, Tables C-1 and 2, has been converted from kg/mmBtu to lb/kgal. Emission Factors for CO₂ and N₂O from AP-42 Chapter 1.5 (dated 7/08), Table 1.5-1

Butane: Emission Factors for CO₂ and CH₄ from 40 CFR Part 98 Subpart C, Tables C-1 and 2, have been converted from kg/mmBtu to lb/kgal. Emission Factor for N₂O from AP-42 Chapter 1.5 (dated 7/08), Table 1.5-1

Waste Oil: Emission Factors for CO₂, CH₄, and N₂O from 40 CFR Part 98 Subpart C, Tables C-1 and 2, have been converted from kg/mmBtu to lb/kgal.

Emission Factor (EF) Conversions:

Natural Gas: EF (lb/MMCF) = [EF (kg/MMBtu) * Conversion Factor (2.20462 lbs/kg) * Heating Value of Natural Gas (MMBtu/scf) * Conversion Factor (1,000,000 scf/MMCF)]

Fuel Oils: EF (lb/kgal) = [EF (kg/MMBtu) * Conversion Factor (2.20462 lbs/kg) * Heating Value of the Fuel Oil (MMBtu/gal) * Conversion Factor (1000 gal/kgal)]

Natural Gas: Unlimited/Uncontrolled Potential to Emit (tons/yr) = [Maximum Natural Gas Usage (MMCF/yr)] * [Emission Factor (lb/MMCF)] * [ton/2000 lbs]

All Other Fuels: Unlimited/Uncontrolled Potential to Emit (tons/yr) = [Maximum Fuel Usage (gals/yr)] * [Emission Factor (lb/kgal)] * [kgal/1000 gal] * [ton/2000 lbs]

Unlimited Potential to Emit CO₂e (tons/yr) = Unlimited Potential to Emit CO₂ of "worst case" fuel (ton/yr) x CO₂ GWP (1) + Unlimited Potential to Emit CH₄ of "worst case" fuel (ton/yr) x CH₄ GWP (21) + Unlimited Potential to Emit N₂O of "worst case" fuel (ton/yr) x N₂O GWP (310).

**Appendix A: Unlimited Emissions Calculations
Greenhouse Gas (CO₂e) Emissions from the
Drum-Mix Plant (Dryer/Mixer) Process Emissions**

Company Name: Milestone Contractors, L.P.

Address: 699 South County Road 500 East, Decatur, Indiana 46733

FESOP #: 001-24364-00058

Administrative Amendment #: 001-32619-00058

Reviewer: Deborah Cole

The following calculations determine the unlimited/uncontrolled emissions from the aggregate drying/mixing

Maximum Hourly Asphalt Production = ton/hr
 Maximum Annual Asphalt Production = ton/yr

Criteria Pollutant	Emission Factor (lb/ton) Drum-Mix Plant (dryer/mixer)			Global Warming Potentials (GWP)	Unlimited/Uncontrolled Potential to Emit (tons/yr) Drum-Mix Plant (dryer/mixer)			CO ₂ e for Worst Case Fuel (tons/yr)
	Natural Gas	No. 2 Fuel Oil	Waste Oil		Natural Gas	No. 2 Fuel Oil	Waste Oil	
CO ₂	33	33	33	1	43,362.00	43,362.00	43,362.00	43,693.13
CH ₄	0.0120	0.0120	0.0120	21	15.77	15.77	15.77	
N ₂ O				310	0	0	0	
Total					43,377.77	43,377.77	43,377.77	
CO ₂ e Equivalent Emissions (tons/yr)					43,693.13	43,693.13	43,693.13	

Methodology

Natural gas, No. 2 fuel oil, and waste oil represent the worst possible emissions scenario. AP-42 did not provide emission factors for any other fuels.

Emission Factors from AP-42 Chapter 11.1 (dated 3/04), Tables 11.1-7 and 11.1-8

There are no emission factors for N₂O available in either the 40 CFR 98, Subpart C or AP-42 Chapter 11.1. Therefore, it is assumed that there are no N₂O emission anticipated from this process.

Unlimited/Uncontrolled Potential to Emit (tons/yr) = (Maximum Annual Asphalt Production (tons/yr)) * (Emission Factor (lb/ton)) * (ton/2000 lbs)

Unlimited Potential to Emit CO₂e (tons/yr) = Unlimited Potential to Emit CO₂ of "worst case" fuel (ton/yr) x CO₂ GWP (1) + Unlimited Potential to Emit CH₄ of "worst case" fuel (ton/yr) x CH₄ GWP (21) + Unlimited Potential to Emit N₂O of "worst case" fuel (ton/yr) x N₂O GWP (310).

Abbreviations

CO₂ = Carbon Dioxide CH₄ = Methane

N₂O = Nitrogen Dioxide

PTE = Potential to Emit

**Appendix A: Unlimited Emissions Calculations
Greenhouse Gas (CO2e) Emissions from
Hot Oil Heater Fuel Combustion**

Company Name: Milestone Contractors, L.P.

Address: 699 South County Road 500 East, Decatur, Indiana 46733

FESOP #: 001-24364-00058

Administrative Amendment #: 001-32619-00058

Reviewer: Deborah Cole

Maximum Hot Oil Heater Fuel Input Rate = MMBtu/hr
 Natural Gas Usage = MMCF/yr
 No. 2 Fuel Oil Usage = gal/yr, % sulfur

Unlimited/Uncontrolled Emissions

Criteria Pollutant	Emission Factor (units)		Global Warming Potentials (GWP)	Unlimited/Uncontrolled Potential to Emit (tons/yr)	
	Natural Gas (lb/MMCF)	No. 2 Fuel Oil (lb/kgal)		Natural Gas (tons/yr)	No. 2 Fuel Oil (tons/yr)
CO2	120,161.84	22,501.41	1	0.00	0.00
CH4	2.49	0.91	21	0.00	0.00
N2O	2.2	0.26	310	0.00	0.00
				0.00	0.00

Worse Case CO2e Emissions (tons/yr)
0.00

CO2e Equivalent Emissions (tons/yr)	0.00	0.00
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Methodology

Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

Equivalent Natural Gas Usage (MMCF/yr) = [Maximum Fuel Input Rate (MMBtu/hr)] * [8,760 hrs/yr] * [1 MMCF/1,000 MMBtu]

Equivalent Oil Usage (gal/yr) = [Maximum Fuel Input Rate (MMBtu/hr)] * [8,760 hrs/yr] * [1 gal/0.140 MMBtu]

Sources of Emission Factors for fuel combustion: (Note: To form a conservative estimate, the "worst case" emission factors have been used.)

Natural Gas: Emission Factors for CO2 and CH4 from 40 CFR Part 98 Subpart C, Tables C-1 and 2, have been converted from kg/mmBtu to lb/MMCF. Emission Factor for N2O from AP-42 Chapter 1.4 (dated 7/98),

No. 2 Fuel Oil: Emission Factors for CO2 and CH4 from 40 CFR Part 98 Subpart C, Tables C-1 and 2, have been converted from kg/mmBtu to lb/kgal. Emission Factor for N2O from AP-42 Chapter 1.3 (dated 5/10), Table

Emission Factor (EF) Conversions

Natural Gas: EF (lb/MMCF) = [EF (kg/MMBtu) * Conversion Factor (2.20462 lbs/kg) * Heating Value of Natural Gas (MMBtu/scf) * Conversion Factor (1,000,000 scf/MMCF)]

Fuel Oils: EF (lb/kgal) = [EF (kg/MMBtu) * Conversion Factor (2.20462 lbs/kg) * Heating Value of the Fuel Oil (MMBtu/gal) * Conversion Factor (1000 gal/kgal)]

Natural Gas: Unlimited/Uncontrolled Potential to Emit (tons/yr) = [Maximum Natural Gas Usage (MMCF/yr)] * [Emission Factor (lb/MMCF)] * [ton/2000 lbs]

All Other Fuels: Unlimited/Uncontrolled Potential to Emit (tons/yr) = [Maximum Fuel Usage (gals/yr)] * [Emission Factor (lb/kgal)] * [kgal/1000 gal] * [ton/2000 lbs]

Unlimited Potential to Emit CO2e (tons/yr) = Unlimited Potential to Emit CO2 of "worst case" fuel (ton/yr) x CO2 GWP (1) + Unlimited Potential to Emit CH4 of "worst case" fuel (ton/yr) x CH4 GWP (21) + Unlimited Potential to Emit N2O of "worst case" fuel (ton/yr) x N2O GWP (310).

Abbreviations

CO2 = Carbon Dioxide
CH4 = Methane

N2O = Nitrogen Dioxide
PTE = Potential to Emit

**Appendix A: Unlimited Emissions Calculations
Hot Oil Heating System - Process Emissions**

Company Name: Milestone Contractors, L.P.

Address: 699 South County Road 500 East, Decatur, Indiana 46733

FESOP #: 001-24364-00058

Administrative Amendment #: 001-32619-00058

Reviewer: Deborah Cole

fuel oil in the hot oil heating system, which is used to heat a specially designed transfer oil. The hot transfer oil is then

Maximum Fuel Input Rate To Hot Oil Heater = 0.00 MMBtu/hr
 Natural Gas Usage = 0.00 MMCF/yr, and
 No. 2 Fuel Oil Usage = 0 gal/yr

Greenhouse Gas as	Emission Factors		Potential to Emit		Worse Case PTE
	Natural Gas (lb/ft3)	No. 2 Fuel Oil (lb/gal)	Natural Gas	No. 2 Fuel Oil	
CO2	0.20	28.00	0.00	0.00	0.00

Methodology

Natural Gas Usage (MMCF/yr) = [Maximum Fuel Input Rate (MMBtu/hr)] * [8,760 hrs/yr] * [1 MMCF/1,000 MMBtu]

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)

Unlimited Potential to Emit CO2e (tons/yr) = Unlimited Potential to Emit CO2 (ton/yr) x CO2 GWP (1)

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

Therefore, it is assumed that there are no CH4 and N2O emission anticipated from this process.

Abbreviations

CO2 = Carbon Dioxide

**Appendix A: Unlimited Emissions Calculations
 Reciprocating Internal Combustion Engines - Diesel Fuel
 Output Rating (<=600 HP)**

**Company Name: Milestone Contractors, L.P.
 Address: 699 South County Road 500 East, Decatur, Indiana 46733
 FESOP #: 001-24364-00058
 Administrative Amendment #: 001-32619-00058
 Reviewer: Deborah Cole**

Output Horsepower Rating (hp)	0.0
Maximum Hours Operated per Year	8760
Potential Throughput (hp-hr/yr)	0
Maximum Diesel Fuel Usage (gal/yr)	0

Green House Gas Emissions (GHG)

	Pollutant		
	CO2 ¹	CH4 ²	N2O ³
Emission Factor in lb/hp-h	1.15	NA	NA
Emission Factor in kg/MM	NA	0.003	0.0006
Emission Factor in lb/kgal	22,512.07	0.91	0.18
Potential Emission in tons/	0.00	0.000	0.000

¹The AP-42 Chapter 3.3-1 emission factor in lb/hp-hr was converted to lb/kgal emission factor using an average brake

¹Emission factor (lb/kgal) = AP-42 EF (lb/hp-hr) * 1/7,000 (hp-hr/Btu) * 19,300 (Btu/lb) * 7.1 (lb/gal) * 1,000 (gal/kgal)

²The 40 CFR 98 Subpart C emission factors in kg/MMBtu were converted to lb/kgal emission factors using an average

²Emission factor (lb/kgal) = 40 CFR 98 EF (kg/MMBtu) * 2.20462 (lb/kg) * 1/10⁶ (MMBtu/Btu) * 19,300 (Btu/lb) * 7.1 (lb/gal) * 1,000 (gal/kgal)

Summed Potential Emissions in tons/yr	0.00
CO2e Total in tons/yr	0.00

Methodology

Potential Throughput (hp-hr/yr) = [Output Horsepower Rating (hp)] * [Maximum Hours Operated per Year]

Maximum Diesel Fuel Usage (gal/yr) = Potential Throughput (hp-hr/yr) * 7000 (Btu/hp-hr) * 1/19300 (lb/Btu) * 1/7.1 (gal/lb)

Emission Factors are from AP42 (Supplement B 10/96), Tables 3.3-1 and 3.3-2 and have been converted to lb/kgal

CH4 and N2O Emission Factor from 40 CFR 98 Subpart C Table C-2 and have been converted to lb/kgal

Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

Potential Emissions (tons/yr) = [Maximum Diesel Fuel Usage (gal/yr) x Emission Factor (lb/kgal)] / (1,000 gal/kgal) / (2,000 lb/ton)

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential

Appendix A: Unlimited Emissions Calculations
Large Reciprocating Internal Combustion Engines - Diesel Fuel
Output Rating (>600 HP)

Company Name: Milestone Contractors, L.P.
Address: 699 South County Road 500 East, Decatur, Indiana 46733
FESOP #: 001-24364-00058
Administrative Amendment #: 001-32619-00058
Reviewer: Deborah Cole

Output Horsepower Rating (hp)	0.0	
Maximum Hours Operated per Year	8760	Sulfur Content (S) of Fuel (% by weight) 0.50
Potential Throughput (hp-hr/yr)	0	
Maximum Diesel Fuel Usage (gal/yr)	0	

Green House Gas Emissions (GHG)

	Pollutant		
	CO ₂ ¹	CH ₄ ^{1,2}	N ₂ O ³
Emission Factor in lb/hp-hr	1.16	6.35E-05	NA
Emission Factor in kg/MMBtu	NA	NA	0.0006
Emission Factor in lb/kgal	22,707.83	1.24	0.18
Potential Emission in tons	0.00	0.00	0.00

¹ The AP-42 Chapter 3.4-1 emission factors in lb/hp-hr were converted to lb/kgal emission factors using an average

¹Emission factor (lb/kgal) = AP-42 EF (lb/hp-hr) * 1/7,000 (hp-hr/Btu) * 19,300 (Btu/lb) * 7.1 (lb/gal) * 1,000 (gal/kgal)

²According to AP-42, Table 3.4-1, TOC (as CH₄) is 9% methane by weight. As a result, the lb/hp-hr emission factor for

³The 40 CFR 98 Subpart C emission factors in kg/MMBtu were converted to lb/kgal emission factors using an average

³Emission factor (lb/kgal) = 40 CFR 98 EF (kg/MMBtu) * 2.20462 (lb/kg) * 1/10⁶ (MMBtu/Btu) * 19,300 (Btu/lb) * 7.1

Summed Potential Emissions in tons/yr	0.00
CO₂e Total in tons/yr	0.00

Methodology

Potential Throughput (hp-hr/yr) = [Output Horsepower Rating (hp)] * [Maximum Hours Operated per Year]

Maximum Diesel Fuel Usage (gal/yr) = Potential Throughput (hp-hr/yr) * 7000 (Btu/hp-hr) * 1/19300 (lb/Btu) * 1/7.1 (gal/lb)

Emission Factors are from AP 42 (Supplement B 10/96) Tables 3.4-1, 3.4-2, 3.4-3, and 3.4-4 and have been converted to lb/kgal.

N₂O Emission Factor from 40 CFR 98 Subpart C Table C-2 and have been converted to lb/kgal.

Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

Potential Emissions (tons/yr) = [Maximum Diesel Fuel Usage (gal/yr) x Emission Factor (lb/kgal)] / (1,000 ga/kgal) / (2,000 lb/ton)

CO₂e (tons/yr) = CO₂ Potential Emission ton/yr x CO₂ GWP (1) + CH₄ Potential Emission ton/yr x CH₄



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Robert J Beyke
Milestone Contractors, L.P.
5950 S Belmont Avenue
Indianapolis, IN 46217

DATE: January 22, 2013

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

SUBJECT: Final Decision
Administrative Amendment
001-32619-00058

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
Jim Gross – VP Plants
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07

Mail Code 61-53

IDEM Staff	GHOTOPP 1/22/2013 Milestone Contractors 001-32619-00058 Final		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Robert J Beyke Milestone Contractors 5950 S Belmont Ave Indianapolis IN 46217 (Source CAATS) via confirmed delivery										
2		Jim Gross VP - Plants Milestone Contractors 5950 S Belmont Ave Indianapolis IN 46217 (RO CAATS)										
3		Adams County Commissioners 313 West Jefferson Street Decatur IN 46733 (Local Official)										
4		Adams County Health Department County Svcs Complex, 313 W. Jefferson # 314 Decatur IN 46733-1673 (Health Department)										
5		Decatur City Council and Mayors Office 225 W. Monroe St. Decatur IN 46733 (Local Official)										
6												
7												
8												
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10												
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12												
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Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
4			