INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: April 1, 2011

RE: Sellersburg Stone / 019-29972-00126

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

Notice of Decision: Approval - Effective Immediately

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

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

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

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

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

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

Enclosures
FNPER.dot12/03/07

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Mr. Stephen Walker
Sellersburg Stone Company, Inc.
P.O. Box D
Sellersburg, IN 47172

April 1, 2011

Re: F019-29972-00126
First Significant Revision to
F019-23746-00126

Dear Mr. Walker:

Sellersburg Stone Company, Inc. was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F019-23746-00126 on March 26, 2008 for a stationary hot drum-mix asphalt plant located at 1019 East Utica Street, Sellersburg, Indiana 47172. On December 07, 2010, the Office of Air Quality (OAQ) received a letter from the source to also allow the use of No. 4 fuel oil and used/waste oil in the drum mixer/dryer and will comply with the same applicable requirements and permit terms and conditions as the existing permit. The attached Technical Support Document (TSD) provides additional explanation of the changes to the source/permit. Pursuant to the provisions of 326 IAC 2-8-11.1, these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-8-11.1(f). Pursuant to the provisions of 326 IAC 2-8-11.1, a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

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

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Swarna Prabha, of my staff, at 317-234-5376 or 1-800-451-6027, and ask for extension 3- 4576.

Sincerely,

Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

Attachments: Technical Support Document and revised permit

IC/sp

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

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Federally Enforceable State Operating Permit Renewal
OFFICE OF AIR QUALITY

Sellersburg Stone Company, Inc.
1019 East Utica Street
Sellersburg, Indiana 47172

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

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

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

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

Operation Permit No.: F019-23746-00126	
Issued by: *Original signed by:* Chrystal Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: March 26, 2008 Expiration Date: March 26, 2018

First Administrative Amendment No.: 019-28170-00126, issued on March 26, 2008

Significant Permit Revision No.: 019-29972-00126	
Issued by: Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: April 1, 2011 Expiration Date: March 26, 2018

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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.4 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

The Permittee owns and operates a stationary hot drum-mix asphalt plant.

Source Address:	1019 East Utica Street, Sellersburg, Indiana 47172
General Source Phone Number:	812-246-3383
SIC Code:	2951
County Location:	Clark
Source Location Status:	Nonattainment for PM 2.5 standard Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Source Determination

Sellersburg Stone Company operates both an asphalt pavement plant, Permit No.: 019-29972-00126 and a quarry, Permit No.: 019-18578-00011 at the same location. The quarry provides aggregate to the asphalt plant. IDEM, The term “major source” is defined at 326 IAC 2-7-1(22). In order for these two plants to be considered one major source, they must meet all three of the following criteria:

(1) the plants must be under common ownership or common control;

(2) the plants must have the same two-digit Standard Industrial Classification (SIC) Code or one must serve as a support facility for the other; and,

(3) the plants must be located on contiguous or adjacent properties.

The two plants have the same owner, so common ownership and common control exist. The first part of the major source definition is met.

The SIC Code Manual of 1987 sets out how to determine the proper SIC Code for each type of business. More information about SIC Codes is available at http://www.osha.gov/pls/imis/sic_manual.html on the Internet. The quarry has the two-digit SIC Code 14 for the Major Group Mining and Quarrying of Nonmetallic Minerals, Except Fuels. The asphalt plant has the two-digit SIC Code 29 for the Major Group Petroleum Refining and Related Industries. Therefore, the two plants do not have the same two-digit SIC code.

A plant is a support facility to another plant if it dedicates 50% or more of its output to the other plant. The quarry sends at most 35% of its output to the asphalt plant. The asphalt plant will not dedicate any of its asphalt pavement production to the quarry. The quarry and asphalt plant have separate production staff and separate plant managers. Since the plants have different SIC Codes and neither qualifies as a support facility to the other, they do not meet the second part of the major source definition.

The two plants will be located on the same property, so the third part of the definition is met.

However, since the plants do not meet all three parts of the major source definition, IDEM, OAQ has determined that the two plants are not part of the same major source.

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

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

(a) One (1) 30,000 gallon liquid asphalt storage tank for asphalt cement (ID No. T-01), constructed in 1990.

(b) One (1) 20,000 gallon liquid asphalt storage tank for asphalt cement (ID No. T-02), constructed in 1990.

(c) One (1) drum dryer/mixer, identified as Unit #2, approved for construction in 2009, with a maximum capacity of 600 tons of asphalt per hour, equipped with one (1) dryer/mixer burner, with a maximum heat input capacity of 200 MMBtu per hour when burning natural gas, 116 MMBtu per hour when burning either No. 2 distillate, No. 6 residual fuel oil, , No.4 fuel oil and used/waste oil using one (1) baghouse for particulate control, and exhausting to one (1) stack, S/V ID #1.

(d) One (1) portable dry additive silo, using a pump with a maximum filling rate of ten (10) tons per hour, and controlled by one (1) baghouse.

(e) Two (2) 30,000 gallon liquid asphalt storage tanks (ID Nos. T-03 and T-04), constructed in 1999.

(f) One (1) 15,000 gallon liquid asphalt storage tank (ID No. T-05), constructed in 1999.

(g) One (1) 25,000 gallon No. 2 distillate or No. 6 residual fuel oil storage tank (ID No. T-06), constructed in 1999.

(h) Cold-mix cutback asphalt manufacturing operation.

(i) One (1) crusher, with a maximum design throughput of 50 tons per hour, with particulate emissions controlled by a wet suppression water spray system.

(j) One (1) screening operation, with a maximum design throughput of 50 tons per hour, with particulate emissions controlled by a wet suppression water spray system.

(k) One (1) conveying operation, with a maximum design throughput of 50 tons per hour, with particulate emissions controlled by a wet suppression water spray system.

Under 40 CFR 60, Subpart I, this asphalt plant is considered an affected source.

Under 40 CFR 60, Subpart OOO, the Crusher, Screening and Conveying Operation is considered an affected source.

A.4 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]

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

(a) One (1) natural gas fired hot oil heater, rated at 5.0 MMBtu/hr and exhausting to stack SV2.

(b) One (1) natural gas fired heater, rated at 1.4 MMBtu/hr and exhausting through stack SV2-2.

(c) One (1) natural gas fired hot oil heater, rated at 1.5 MMBtu/hr.

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

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

(f) One (1) material storage and handling process, with a maximum storage capacity of 15,000 tons for limestone, 10,000 tons for sand, and 2,000 tons for reclaimed asphalt pavement (RAP), utilizing a wetting system for particulate control.

(g) Two (2) cold feed storage bins with belt feeders. Each bin has maximum capacity of 32 tons of virgin aggregate. The belt feeders have a maximum capacity of 300 tons per hour.

Under 40 CFR 60, Subpart I, this asphalt plant is considered an affected source.

A.5 FESOP Applicability [326 IAC 2-8-2]

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

SECTION B GENERAL CONDITIONS

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

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

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

(a) This permit, F019-23746-00126, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

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

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

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

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

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

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

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

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

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

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

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

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

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

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

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

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

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 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.10 Compliance Order Issuance [326 IAC 2-8-5(b)]

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

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

(a) 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.

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

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

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance 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.13 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of permits established prior to F019-23746-00126 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised, or

(3) deleted

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

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

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

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

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

Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification 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.16 Permit Renewal [326 IAC 2-8-3(h)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require 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.17 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

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

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

Indiana Department of Environmental Management
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.18 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

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

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

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

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

(4) The Permittee notifies the:

Indiana Department of Environmental Management
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) through (d). The Permittee shall make such records available, upon reasonable request, for public review.

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

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

(c) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.

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

B.19 Source Modification Requirement [326 IAC 2-8-11.1]

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

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

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

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

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

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

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

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

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

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

(a) The Permittee shall pay annual fees to IDEM, OAQ 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.23 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Overall Source Limit [326 IAC 2-8]

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

(a) Pursuant to 326 IAC 2-8:

(1) The potential to emit 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.2 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 thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

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

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

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

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

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

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

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the attached plan, which is included as Attachment A.

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

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

C.8 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.9 Performance Testing [326 IAC 3-6]

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.10 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.11 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.12 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.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on.

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

C.14 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.15 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 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.16 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.17 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

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

(b) Unless otherwise specified in this permit, 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.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported 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) 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.19 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 FACILITY OPERATION CONDITIONS

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

(c) One (1) drum dryer/mixer, identified as Unit #2, approved for construction in 2009, with a maximum capacity of 600 tons of asphalt per hour, equipped with one (1) dryer/mixer burner, with a maximum heat input capacity of 200 MMBtu per hour when burning natural gas, 116 MMBtu per hour when burning either No. 2 distillate, No. 6 residual fuel oil, No. 4 fuel oil and used/waste oil using one (1) baghouse for particulate control, and exhausting to one (1) stack, S/V ID #1.

Under 40 CFR 60, Subpart I, this asphalt plant is considered an affected source.

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

Emissions Limitations and Standards [326 IAC 2-8-4(1)] [326 IAC 12] [40 CFR Part 60.90]

D.1.1 Particulate Matter (PM and PM-10) [326 IAC 2-2][326 IAC 2-8-4]

The source shall comply as follows:

(a) The total production of asphalt mix in Unit # 2 shall be limited to 979,692 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(b) The PM emissions from the drum-mix aggregate mixing and drying operations shall be limited to 0.158 pounds of PM emitted per ton of asphalt produced.

(c) PM-10 emissions from the drum-mix aggregate mixing and drying operations shall be limited to 0.020 pounds of PM10 emitted per ton of asphalt produced.

(d) PM2.5 emissions from the drum-mix aggregate mixing and drying operations shall be limited to 0.020 pounds of PM2.5 emitted per ton of asphalt produced.

These limits are required to limit the source-wide potential to emit of PM, PM2.5 and PM-10 to less than 250 and 100 tons, respectively, per twelve (12) consecutive month period with compliance determined at the end of each month. Compliance with this condition makes the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration, PSD), and 326 IAC 2-7 (Part 70) not applicable.

D.1.2 Sulfur Dioxide (SO2) [326 IAC 7-1.1] [326 IAC 7-2-1]

Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide emissions from the 116 million British thermal units per hour burner for the aggregate drum mix dryer (Unit # 2) shall be limited to 0.5 pound per MMBtu heat input when using No. 2 distillate oil, No.4 fuel oil or used/waste oil and shall be limited to 1.6 pound per MMBtu heat input when using No. 6 residual fuel oil.

Pursuant to 326 IAC 7-1.1-2, this sulfur dioxide limit applies at all times including periods of startup, shutdown, and malfunction. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

D.1.3 Carbon Monoxide (CO) Emissions [326 IAC 2-8-4] [326 IAC 2-2]

(a) The annual asphalt production in the drum mixer (Unit # 2) shall be limited to 979,692 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(b) The CO emissions shall be limited to 0.13 pounds of CO per ton of asphalt produced.

This limit is required to limit the source-wide emissions of CO to less than 100 tons per year. Therefore, the requirements of 326 IAC 2-7 (Part 70) and 326 IAC 2-2 (PSD) are not applicable.

D.1.4 Fuel Usage and Equivalents [326 IAC 2-8] [326 IAC 2-2]

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

(a) The input of No. 6 residual fuel oil, and No. 6 residual fuel oil equivalents in the 116 MMBtu per hour burner for the aggregate dryer (Unit # 2) shall be limited to 755,025 gallons per twelve (12) consecutive month period with compliance determined at the end of each month, so that SO_2 emissions are limited below 100 tons per year.

For purposes of determining compliance, the following shall apply:

(1) Every gallon of No. 2 distillate fuel oil burned shall be equivalent to 0.30 gallons of No. 6 residual fuel oil based on SO_2 emissions, such that the total input of No. 6 distillate fuel oil and No. 6 distillate fuel oil equivalent input does not exceed the limit specified.

(2) Every gallon of No. 4 fuel oil burned shall be equivalent to 0.96 gallons of No. 6 residual fuel oil based on SO_2 emissions, such that the total input of No. 6 residual fuel oil and No. 6 residual fuel oil equivalent input does not exceed the limit specified.

(3) Every gallon of used/waste fuel oil burned shall be equivalent to 1.87 gallons of No. 6 residual fuel oil based on SO_2 emissions, such that the total input of No. 6 residual fuel oil and No. 6 residual fuel oil equivalent input does not exceed the limit specified.

(b) Sulfur content of No. 2 distillate fuel oil shall not exceed 0.5% by weight.

(c) Sulfur content of No. 6 residual fuel oil shall not exceed 1.67% by weight.

(d) Sulfur content of No. 4 distillate fuel oil shall not exceed 0.5% by weight.

(e) Sulfur content of used/waste oil shall not exceed 1.00% by weight**.**

Compliance with this condition makes the requirements of 326 IAC 2-7 (Part 70) not applicable to the source.

D.1.5 Natural Gas and Equivalent Usage [326 IAC 2-8-4][326 IAC 2-2]

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

(a) The input of natural gas and natural gas equivalents in the 200 MMBtu per hour burner for the aggregate dryer (Unit # 2) shall be limited to 1005.14 million cubic feet (MMCF) per twelve (12) consecutive month period with compliance determined at the end of each month, so that NOx emissions are limited below 100 tons per year.

(b) For purposes of determining compliance, the following shall apply:

(1) Every 1,000 gallons of No. 2 distillate fuel oil burned shall be equivalent to 0.1263 MMCF of natural gas based on NOx emissions, such that the total input of natural gas and natural gas equivalent input does not exceed the limit specified.

(2) Every 1,000 gallons of No. 6 residual fuel oil burned shall be equivalent to 0.2474 MMCF of natural gas based on NOx emissions, such that the total input of natural gas and natural gas equivalent input does not exceed the limit specified.

(3) Every 1,000 gallons of No. 4 fuel oil burned shall be equivalent to 0.2474 MMCF of natural gas based on NOx emissions, such that the total input of natural gas and natural gas equivalent input does not exceed the limit specified.

(4) Every 1,000 gallons of used/waste fuel oil burned shall be equivalent to 0.100 MMCF of natural gas based on NOx emissions, such that the total input of natural gas and natural gas equivalent input does not exceed the limit specified.

D.1.6 Hydrogen Chloride (HCl) [326 IAC 2-8-4]

(1) The usage of waste oil in the 116 MMBtu per hour burner for the aggregate dryer shall be limited to less than 755,025 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(2) The usage of No. 4 fuel oil in the burner for the aggregate dryer shall be limited to less than 2,521,763 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(3) The chlorine content of the used/waste oil used in the burner for the aggregate dryer shall not exceed two tenths of a percent (0.2%) by weight.

(4) The HCl emissions from the burner for the aggregate dryer shall be limited to less than 13.2 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.1.7 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for this facility and the control devices. 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 Particulate Matter (PM) and PM-10

In order to comply with Conditions D.1.1, the baghouse for PM, PM2.5 and PM-10 control shall be in operation at all times when the drum-mix dryer and burner (Unit # 2) are in operation.

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

The Permittee shall perform PM, PM2.5 and PM10 stack testing utilizing methods as approved by the Commissioner to document compliance with Condition D.1.1. These tests shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. PM10 includes filterable and condensable PM10. Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.10 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Condition D.1.2 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 0.5 pound per million Btu heat input when firing No. 2 distillate fuel oil, or No. 4 fuel oil and 1.6 pounds per million Btu heat input when firing No. 6 residual fuel oil or used/waste fuel oil.

(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 200 /116 MMBtu per hour burner (Unit # 2), using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

D.1.11 Hydrogen Chloride (HCl) Emissions and Chlorine Content

In order to comply with Condition D.1.6, the Permittee shall demonstrate that the chlorine content of the fuel used for the aggregate dryer burner does not exceed twenty-two hundredths of a percent (0.2%) by weight, when operating on waste oil, by providing a vendor analysis of fuel delivered accompanied by a vendor certification.

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

D.1.12 Visible Emissions Notations

(a) Visible emissions notations of the drum-mix aggregate dryer/burner baghouse stack exhausts, and the conveyors and transfer points 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 Parametric Monitoring

The Permittee shall record the pressure drop across each of the baghouses used in conjunction with the aggregate dryer/mixer, once per day when the process is in operation. When for any one reading, the pressure drop across either baghouse is outside the normal range of 3.0 to 5.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps**.** 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.

D.1.14 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this proposed permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps**.** Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. For any failure with corresponding response steps and timetable not described in the Response to Excursions or Exceedances, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response shall be considered a deviation from this permit.

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this proposed permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirement [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 (a), the Permittee shall maintain records of the total production of asphalt mix in the drum-mix aggregate dryer (Unit # 2). The records shall be complete and sufficient to establish compliance with particulate matter limitations set forth in this permit.

(b) To document compliance with Conditions D.1.4, and D.1.5, the Permittee shall maintain records in accordance with (1) through (6) below.

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

(2) Monthly fuel usages;

(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.

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

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

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

(c) To document the compliance status compliance with Condition D.1.12, the Permittee shall maintain daily records of visible emission notations of the drum-mix aggregate dryer/burner baghouse stack exhaust or maintain a record of the reason why the visible emission notations were not taken, (i.e. the process did not operate that day).

(d) To document the compliance status with Condition D.1.13 the Permittee shall maintain daily records of the pressure drop during normal operation or maintain a record of the reason why the pressure drop notations were not taken, (i.e. the process did not operate that day).

(e) 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.1.16 Reporting Requirements

A quarterly summary of the information to document the compliance status with Conditions D.1.1(a), D.1.4, 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 Permitee’s obligation with regard to the reporting required by this condition.

SECTION D.2 FACILITY OPERATION CONDITIONS

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

Cold-mix cutback asphalt manufacturing operation.

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

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

D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-5-2][326 IAC 2-8-4][326 IAC 2-2][326 IAC 2-3]

(a) Pursuant to 326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving), the cutback asphalt or asphalt emulsion produced shall not contain more than seven percent (7%) oil distillate by volume of emulsion for any paving application except as used for the following purposes:

(1) penetrating prime coating

(2) stockpile storage

(3) application during the months of November, December, January, February and March.

(b) 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 40.07 tons of VOC are emitted per twelve (12) consecutive months, with compliance determined at the end of each month. This shall be achieved by limiting the total VOC solvent of any one selected binder to not exceed the stated limit in (d) for that binder during the last twelve (12) months. When more than one binder is used, the formula in (d)(6) must be applied so that the total VOC emitted does not exceed 40.07 tons per twelve (12) consecutive month period.

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

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

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

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

(4) <u>Emulsified asphalt with solvent</u>, 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) <u>Other asphalt with solvent binder</u>, containing a maximum 25.9% of the liquid binder of VOC solvent and 2.5% by weight of the VOC solvent evaporating

(d) 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 42.17 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis, with compliance determined at the end of each month.

(2) Cutback asphalt medium cure liquid binder usage shall not exceed 57.24 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis, with compliance determined at the end of each month.

(3) Cutback asphalt slow cure liquid binder usage shall not exceed 160.28 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis, with compliance determined at the end of each month.

(4) Emulsified asphalt with solvent liquid binder usage shall not exceed 86.35 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis, with compliance determined at the end of each month.

(5) Other asphalt with solvent liquid binder shall not exceed 1602.8 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis, 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 40.07 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 year for each type of binder, use the following formula and divide the tons of VOC solvent used per year for each type of binder by the corresponding adjustment ratio listed in the table that follows.

$$\text{VOC emitted (tons/year)} = \frac{\text{VOC solvent used for each binder (tons/year)}}{\text{Adjustment Ratio}}$$

Type of binder	VOC solvent used (tons/year)	Adjustment Ratio	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	

Compliance with these limits combined with the potential emissions from all other emission units at this source shall render 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (PSD) not applicable.

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

D.2.2 Record Keeping Requirements

To document the compliance status with Condition D.2.1 (b) and (d), the Permittee shall maintain

records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be complete and sufficient to establish compliance with the VOC emission limit established in Condition D.2.1 (b) and (d).

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

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

(3) VOC solvent content by weight of the liquid binder used in the production of cold mix asphalt each month; and

(4) Amount and type of VOC solvent used in the production of cold mix asphalt each month, and the amount of VOC emitted each month.

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D.2.3 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.2.1(b) and (d) shall be submitted, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C – General Reporting contains the Permitee's obligation with regard to the reporting required by this condition.

A quarterly summary of the information to document the compliance status with Conditions D.1.1(a), D.1.4, 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 Permitee's obligation with regard to the reporting required by this condition.

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(a) One (1) 30,000 gallon liquid storage tank (ID No. T-01), constructed in 1990.

(b) One (1) 20,000 gallon liquid asphalt storage tank (ID No. T-02), constructed in 1990.

(c) Two (2) 30,000 gallon liquid asphalt storage tanks (ID Nos. T-03 and T-04), constructed in 1999.

(d) One (1) 25,000 gallon No. 2 distillate or No. 6 residual fuel oil storage tank (ID No. T-06), constructed in 1999.

Under 40 CFR 60, Subpart Kb, these storage tanks are affected facilities.

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

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

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

Pursuant to 40 CFR Part 60.110b, Subpart Kb, the Permittee shall comply with the provisions of 40 CFR 60.110b (a), and 60.116b as specified as follows:

§ 60.110b Applicability and designation of affected facility.

(a) Except as provided in paragraph (b) of this section, the affected facility to which this subpart applies is each storage vessel with a capacity greater than or equal to 75 cubic meters (m^3) that is used to store volatile organic liquids (VOL) for which construction, reconstruction, or modification is commenced after July 23, 1984.

§ 60.116b Monitoring of operations.

(a) The owner or operator shall keep copies of all records required by this section, except for the record required by paragraph (b) of this section, for at least 2 years. The record required by paragraph (b) of this section will be kept for the life of the source.

(b) The owner or operator of each storage vessel as specified in §60.110b(a) shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.

(c) Except as provided in paragraphs (f) and (g) of this section, the owner or operator of each storage vessel either with a design capacity greater than or equal to 151 m^3 storing a liquid with a maximum true vapor pressure greater than or equal to 3.5 kPa or with a design capacity greater than or equal to 75 m^3 but less than 151 m^3 storing a liquid with a maximum true vapor pressure greater than or equal to 15.0 kPa shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period.

(d) Except as provided in paragraph (g) of this section, the owner or operator of each storage vessel either with a design capacity greater than or equal to 151 m^3 storing a liquid with a maximum true vapor pressure that is normally less than 5.2 kPa or with a design capacity greater than or equal to 75 m^3 but less than 151 m^3 storing a liquid with a maximum true vapor pressure that is normally less than 27.6 kPa shall notify the Administrator within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor vapor pressure values for each volume range.

(e) Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below.

(1) For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.

(2) For crude oil or refined petroleum products the vapor pressure may be obtained by the following:

(i) Available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517 (incorporated by reference—see §60.17), unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s).

(ii) The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 13.8 kPa or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded if the estimated maximum true vapor pressure is greater than 3.5 kPa.

(3) For other liquids, the vapor pressure:

(i) May be obtained from standard reference texts, or

(ii) Determined by ASTM D2879–83, 96, or 97 (incorporated by reference—see §60.17); or

(iii) Measured by an appropriate method approved by the Administrator; or

(iv) Calculated by an appropriate method approved by the Administrator.

(f) The owner or operator of each vessel storing a waste mixture of indeterminate or variable composition shall be subject to the following requirements.

(1) Prior to the initial filling of the vessel, the highest maximum true vapor pressure for the range of anticipated liquid compositions to be stored will be determined using the methods described in paragraph (e) of this section.

(2) For vessels in which the vapor pressure of the anticipated liquid composition is above the cutoff for monitoring but below the cutoff for controls as defined in §60.112b(a), an initial physical test of the vapor pressure is required; and a physical test at least once every 6 months thereafter is required as determined by the following methods:

(i) ASTM D2879–83, 96, or 97 (incorporated by reference—see §60.17); or

(ii) ASTM D323–82 or 94 (incorporated by reference—see §60.17); or

(iii) As measured by an appropriate method as approved by the Administrator.

(g) The owner or operator of each vessel equipped with a closed vent system and control device meeting the specification of §60.112b or with emissions reductions equipment as specified in 40 CFR 65.42(b)(4), (b)(5), (b)(6), or (c) is exempt from the requirements of paragraphs (c) and (d) of this section.

[52 FR 11429, Apr. 8, 1987, as amended at 65 FR 61756, Oct. 17, 2000; 65 FR 78276, Dec. 14, 2000; 68 FR 59333, Oct. 15, 2003]

SECTION D.4 FACILITY CONDITIONS

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

One (1) portable dry additive silo, using a pump with a maximum filling rate of 10 tons per hour, and controlled by one (1) baghouse.

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

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

D.4.1 Particulate Matter (PM) [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate matter (PM) emissions from the portable dry additive silo shall be limited to 0.03 grains per dry standard cubic foot (gr/dscf).

D.4.2 Particulate Matter (PM) [326 IAC 2-2]

The PM emission from the portable dry additive silo shall not exceed 1.21 pounds per hour. Compliance with this limit shall render the requirements of 326 IAC 2-2 not applicable.

D.4.3 Particulate Matter Less Than Ten Microns (PM-10) [326 IAC 2-8]

The PM-10 emissions from the portable dry additive silo shall not exceed 1.21 pounds per hour. Compliance with these limits will limit source-wide emissions of PM-10 to less than 100 tons per year, and will render 326 IAC 2-7 (Part 70 Permits) not applicable.

D.4.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for this facility and the control devices. 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.4.5 Particulate Matter (PM)

In order to comply with D.4.1, D.4.2 and D.4.3, the baghouse for PM and PM-10 control shall be in operation and control emissions from the portable dry additive silo at all times that the portable dry additive silo is in operation.

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

D.4.6 Visible Emissions Notations

(a) Visible emission notations of the portable dry additive silo 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) 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.4.7 Parametric Monitoring

The Permittee shall record pressure drop across the baghouse used in conjunction with the portable dry additive silo, at least once per day when the portable dry additive silo is in operation. When or any one reading, the pressure drop across the baghouse is outside the normal range of 3.0 and 5.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. 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.

D.4.8 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this proposed permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Response to Excursions or Exceedances shall be initiated. For any failure with corresponding response steps and timetable not described in the Response to Excursions or Exceedances, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response shall be considered a deviation from this permit.

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this proposed permit (Section B - Emergency Provisions).

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

D.4.9 Record Keeping Requirements

(a) To document the compliance status with Condition D.4.6, the Permittee shall maintain daily records of visible emission notations of the portable dry additive silo stack exhaust once per day or maintain a record of the reason why the visible emission notations were not taken, (i.e. the process did not operate that day).

(b) To document the compliance status with Condition D.4.7, the Permittee shall maintain daily records of the pressure drop during normal operation or maintain a record of the reason why the pressure drop notations were not taken, (i.e. the process did not operate that day).

(c) Section C - General Record Keeping Requirements, of this permit contains the Permittee's obligations with regard to the records required by this condition.

SECTION D.5 FACILITY OPERATION CONDITIONS

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

(a) One (1) crusher, with a maximum design throughput of 50 tons per hour, with particulate emissions controlled by a wet suppression water spray system.

(b) One (1) screening operation, with a maximum design throughput of 50 tons per hour, with particulate emissions controlled by a wet suppression water spray system.

(c) One (1) conveying operation, with a maximum design throughput of 50 tons per hour, with particulate emissions controlled by a wet suppression water spray system.

Under 40 CFR 60, Subpart OOO, these crushing, screening and conveying operations are considered affected facilities.

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

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

D.5.1 FESOP Minor Limit Particulate Matter (PM10) [326 IAC 2-8]

The source shall limit the pound per hour emissions of PM10 of the controlled units. The controlled units shall be limited as follows:

Unit	PM10 Limit Per Unit (lb/hr)
Crusher	0.030
Screening Operation	0.040
Conveying Operation	0.005

Compliance with these limits will limit source-wide emissions of PM-10 to less than 100 tons per year, and will render 326 IAC 2-7 (Part 70 Permits) not applicable.

D.5.2 Particulate Matter (PM) [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate matter (PM) emissions from the facilities listed below shall be limited to 0.03 grains per dry standard cubic foot (gr/dscf).

Units
Crusher
Screening Operation
Conveying Operation

D.5.3 Particulate Matter (PM) [326 IAC 2-2]

The source shall limit the pound per hour emissions of PM of the controlled units. The controlled units shall be limited as follows:

Unit	PM Limit Per Unit (lb/hr)
Crusher	0.068
Screening Operation	0.114
Conveying Operation	0.011

Compliance with these limits shall render the requirements of 326 IAC 2-2 not applicable.

D.5.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for this facility and the control devices. 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.5.5 Particulate Control

The particulate from crushing, screening and conveying operations shall be controlled by the wet suppression water spray system and the Permittee shall operate the control device in accordance with manufacturer's specifications.

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

D.5.6 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 crushing, screening and conveying operations except as otherwise specified in 40 CFR Part 60, Subpart OOO.

(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 46204-2251

D.5.7 NSPS Subpart OOO Requirements [40 CFR Part 60, Subpart OOO] [326 IAC 12]

Pursuant to 40 CFR Part 60, Subpart OOO, the Permittee shall comply with the provisions of 40 CFR Part 60.670, as specified as follows:

§ 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.

(2) The provisions of this subpart do not apply to the following operations: All facilities located in underground mines; and stand-alone screening operations at plants without crushers or grinding mills.

(b) An affected facility that is subject to the provisions of subpart F or I or that follows in the plant process any facility subject to the provisions of subparts F or I of this part is not subject to the provisions of this subpart.

(c) Facilities at the following plants are not subject to the provisions of this subpart:

(1) Fixed sand and gravel plants and crushed stone plants with capacities, as defined in §60.671, of 23 megagrams per hour (25 tons per hour) or less;

(2) Portable sand and gravel plants and crushed stone plants with capacities, as defined in §60.671, of 136 megagrams per hour (150 tons per hour) or less; and

(3) Common clay plants and pumice plants with capacities, as defined in §60.671, of 9 megagrams per hour (10 tons per hour) or less.

(d)(1) When an existing facility is replaced by a piece of equipment of equal or smaller size, as defined in §60.671, having the same function as the existing facility, the new facility is exempt from the provisions of §§60.672, 60.674, and 60.675 except as provided for in paragraph (d)(3) of this section.

(2) An owner or operator complying with paragraph (d)(1) of this section shall submit the information required in §60.676(a).

(3) An owner or operator replacing all existing facilities in a production line with new facilities does not qualify for the exemption described in paragraph (d)(1) of this section and must comply with the provisions of §§60.672, 60.674 and 60.675.

(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 OOO

Subpart A reference	Applies to Subpart OOO	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.	
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…….	

§ 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.

§ 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.

(h) 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, no owner or operator shall cause to be discharged into the atmosphere any visible emissions from:

(1) Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin.

(2) Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.

§ 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.

(h) Initial Method 9 performance tests under §60.11 of this part and §60.675 of this subpart are not required for:

(1) Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to, but not including the next crusher, grinding mill or storage bin.

(2) Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, that process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.

§ 60.676 Reporting and recordkeeping.

(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).

(g) The owner or operator of any screening operation, bucket elevator, or belt conveyor that processes saturated material and is subject to §60.672(h) and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the 10 percent opacity limit in §60.672(b) and the emission test requirements of §60.11 and this subpart. Likewise a screening operation, bucket elevator, or belt conveyor that processes unsaturated material but subsequently processes saturated material shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the no visible emission limit in §60.672(h).

(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.

(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.

E.1 EMISSIONS UNIT OPERATION CONDITIONS (Entire Source)

Emission Unit Description: Entire Source

This section applies to the hot mix asphalt plant.

(a) One (1) 30,000 gallon liquid asphalt storage tank for asphalt cement (ID No. T-01), constructed in 1990.

(b) One (1) 20,000 gallon liquid asphalt storage tank for asphalt cement (ID No. T-02), constructed in 1990.

(c) One (1) drum dryer/mixer, identified as Unit #2, approved for construction in 2009, with a maximum capacity of 600 tons of asphalt per hour, equipped with one (1) dryer/mixer burner, with a maximum heat input capacity of 200 MMBtu per hour when burning natural gas and 116 MMBtu per hour when burning either No. 2 distillate or No. 6 residual fuel oil, using one (1) baghouse for particulate control, and exhausting to one (1) stack, S/V ID #1.

(d) One (1) portable dry additive silo, using a pump with a maximum filling rate of ten (10) tons per hour, and controlled by one (1) baghouse.

(e) Two (2) 30,000 gallon liquid asphalt storage tanks (ID Nos. T-03 and T-04), constructed in 1999.

(f) One (1) 15,000 gallon liquid asphalt storage tank (ID No. T-05), constructed in 1999.

(g) One (1) 25,000 gallon No. 2 distillate or No. 6 residual fuel oil storage tank (ID No. T-06), constructed in 1999.

(h) Cold-mix cutback asphalt manufacturing operation.

(i) One (1) crusher, with a maximum design throughput of 50 tons per hour, with particulate emissions controlled by a wet suppression water spray system.

(j) One (1) screening operation, with a maximum design throughput of 50 tons per hour, with particulate emissions controlled by a wet suppression water spray system.

(k) One (1) conveying operation, with a maximum design throughput of 50 tons per hour, with particulate emissions controlled by a wet suppression water spray system.

Under 40 CFR 60, Subpart I, this asphalt plant is considered an affected source.

Insignificant activities:

(a) One (1) natural gas fired hot oil heater, rated at 5.0 MMBtu/hr and exhausting to stack SV2.

(b) One (1) natural gas fired heater, rated at 1.4 MMBtu/hr and exhausting through stack SV2-2.

(c) One (1) natural gas fired hot oil heater, rated at 1.5 MMBtu/hr.

(d) Replacement or repair of electrostatic precipitators, bags in

baghouses, and filters in other air filtration equipment.

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

(f) One (1) material storage and handling process, with a maximum storage capacity of 15,000 tons for limestone, 10,000 tons for sand, and 2,000 tons for reclaimed asphalt pavement (RAP), utilizing a wetting system for particulate control.

(g) Two (2) cold feed storage bins with belt feeders. Each bin has maximum capacity of 32 tons of virgin aggregate. The belt feeders have a maximum capacity of 300 tons per hour.

Under 40 CFR 60, Subpart I, this asphalt plant is considered an affected source.

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

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

E.1.1 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 hot mix asphalt plant except as otherwise specified in 40 CFR Part 60, Subpart I.

(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 46204-2251

E.1.2 Standards of Performance for Hot Mix Asphalt Facilities [40 CFR 60 Subpart I] [40 CFR 60.24(f)(3)]

Pursuant to 40 CFR Part 60, Subpart I, the Permittee shall comply with the provisions of the NSPS, for the hot mix asphalt plant specified as follows:

§ 60.90 Applicability and designation of affected facility.

(a) The affected facility to which the provisions of this subpart apply is each hot mix asphalt facility. For the purpose of this subpart, a hot mix asphalt facility is comprised only of any combination of the following: dryers; systems for screening, handling, storing, and weighing hot aggregate; systems for loading, transferring, and storing mineral filler, systems for mixing hot mix asphalt; and the loading, transfer, and storage systems associated with emission control systems.

(b) Any facility under paragraph (a) of this section that commences construction or modification after June 11, 1973, is subject to the requirements of this subpart.

§ 60.91 Definitions.

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

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

§ 60.92 Standard for particulate matter.

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

(1) Contain particulate matter in excess of 90 mg/dscm (0.04 gr/dscf).

(2) Exhibit 20 percent opacity, or greater.

§ 60.93 Test methods and procedures.

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

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

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

(2) Method 9 and the procedures in §60.11 shall be used to determine opacity.

E.1.3 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

The Permittee shall perform the stack testing required under NSPS 40 CFR 60, Subpart I, utilizing methods as approved by the Commissioner to document compliance with Condition E.1.2 These tests shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Sellersburg Stone Company, Inc.
Source Address: 1019 East Utica Street, Sellersburg, Indiana 47172
FESOP Permit No.: F019-23746-00126

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 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) EMERGENCY OCCURRENCE REPORT

Source Name: Sellersburg Stone Company, Inc.
Source Address: 1019 East Utica Street, Sellersburg, Indiana 47172
FESOP Permit No.: F019-23746-00126

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

☐ This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16

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

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

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:_____

Title / Position:_____

Date:_____

Phone: _____

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

FESOP Fuel Oil Consumption Quarterly Report

Source Name: Sellersburg Stone Company, Inc.
Source Address: 1019 East Utica Street, Sellersburg, Indiana 47172
FESOP Permit No.: F019-23746-00126
Facility: Aggregate dryer burner.
Parameter: Fuel oil consumption.
Limit: The input of No. 6 residual fuel oil, and No. 6 residual fuel oil equivalents in the116 MMBtu per hour burner for the aggregate dryer shall be limited to 755,025 gallons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:_____

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

☐ No deviation occurred in this quarter.

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

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

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

FESOP Natural Gas Consumption Quarterly Report

Source Name: Sellersburg Stone Company, Inc.
Source Address: 1019 East Utica Street, Sellersburg, Indiana 47172
FESOP Permit No.: F019-23746-00126
Facility: Aggregate dryer burner.
Parameter: Natural gas consumption.
Limit: The total input of natural gas and natural gas equivalents in the 200 MMBtu per hour burner for the aggregate dryer shall be limited to 636.164 million cubic feet (MMCF) per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:_____

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

☐ No deviation occurred in this quarter.

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

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

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

FESOP Multiple Liquid Binder Solvent Quarterly Report

Source Name: Sellersburg Stone Company, Inc.
Source Address: 1019 East Utica Street, Sellersburg, Indiana 47172
FESOP No.: F019-23746-00126
Facility: Asphalt Plant
Parameter: VOC Emitted
Limit: 40.07 tons per year
Current 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 11months =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				
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				
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				

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

Submitted by: _____ **Date:**_____

Title / Position: _____ **Phone:**_____

Signature: _____

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

FESOP Single Binder Usage Quarterly Report

Source Name: Sellersburg Stone Company, Inc.
Source Address: 1019 East Utica Street, Sellersburg, Indiana 47172
FESOP Permit No.: F019-23746-00126
Facility: Asphalt Plant
Parameter: VOC Emitted
Limit: **Cutback asphalt rapid cure** liquid binder usage shall not exceed **42.17** tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.
Cutback asphalt medium cure liquid binder usage shall not exceed **57.24** tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.
Cutback asphalt slow cure liquid binder usage shall not exceed **160.28** tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.
Emulsified asphalt with **solvent** liquid binder usage shall not exceed **86.35** tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.
Other asphalt with **solvent** liquid binder shall not exceed **1602.8** tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis.

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	**Previous 11 Months**	**12 Month Total**
Month 1			
Month 2			
Month 3			

☐ **No deviation occurred in this quarter.**

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

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

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

FESOP Asphalt Production Quarterly Report

Source Name: Sellersburg Stone Company, Inc.
Source Address: 1019 East Utica Street, Sellersburg, Indiana 47172
FESOP Permit No.: F019-23746-00126
Facility: Drum mixer and dryer.
Parameter: Asphalt Production
Limit: The annual production of hot mix asphalt in the drum mixer and dryer shall be limited to 979,692 tons of asphalt mix per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR:_____

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

☐ No deviation occurred in this quarter.

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

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

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: Sellersburg Stone Company, Inc.
Source Address: 1019 East Utica Street, Sellersburg, Indiana 47172
FESOP Permit No.: F019-23746-00126

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

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. 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.	
☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

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

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

Form Completed by:_____

Title / Position:_____

Date:_____

Phone: _____

Attachment A

ASPHALT PLANT SITE FUGITIVE DUST CONTROL PLAN

The source shall continue to comply with all the dust abatement measures of the dust control plan submitted on March 13, 1996 consisting the following:

(a) Fugitive particulate matter emissions from plant roadways, parking lots and yards shall be controlled by the following methods:

(1) application of water and/or water-dust control material solutions on an as needed basis;
(2) sweeping between watering on an as needed basis; and
(3) limiting vehicular speeds to 10 miles per hour.

(b) Fugitive particulate matter emissions from conveying/handling operations shall be controlled by the following methods:

(1) utilizing a water spray system at strategic transfer locations; and
(2) minimizing all drop distances.

(c) Fugitive particulate matter emissions from storage piles shall be controlled by the following methods:

(1) watering storage piles on an as needed basis;
(2) minimizing drop distances; and
(3) maintaining moisture contents of materials above 1.5%.

Indiana Department of Environmental Management
Office of Air Quality

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

Source Background and Description

Source Name:	**Sellersburg Stone Company, Inc.**
Source Location:	**1019 East Utica Street, Sellersburg, Indiana 47172**
County:	**Clark**
SIC Code:	**2951**
Operation Permit No.:	**F019-23746-00126**
Significant Permit Revision No.:	**F019-29972-00126**
Permit Reviewer:	**Swarna Prabha**

On February 25, 2011, the Office of Air Quality (OAQ) had a notice published in Clark County Evening News, Jeffersonville, Indiana, stating that Sellersburg Stone Company, Inc. had applied for a FESOP Significant Permit Revision, related to the use of No.4 fuel oil and used/waste oil in the drum mixer/dryer. Currently this source is permitted to burn natural gas, No. 2 distillate and No. 6 residual oil only. This source is an asphalt manufacturing plant. The notice also stated that the OAQ proposed to issue a Federally Enforceable State Operating Permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Source Definition

Sellersburg Stone Company operates both an asphalt pavement plant (Permit No.: 019-29972-00126) and a quarry (Permit No.: 019-18578-00011), at the same location. IDEM, OAQ has examined whether these two plants are part of the same major source. The quarry provides aggregate to the asphalt plant. IDEM, The term “major source” is defined at 326 IAC 2-7-1(22). In order for these two plants to be considered one major source, they must meet all three of the following criteria:

(1) the plants must be under common ownership or common control;

(2) the plants must have the same two-digit Standard Industrial Classification (SIC) Code or one must serve as a support facility for the other; and,

(3) the plants must be located on contiguous or adjacent properties.

The two plants have the same owner, so common ownership and common control exist. The first part of the major source definition is met.

The SIC Code Manual of 1987 sets out how to determine the proper SIC Code for each type of business. More information about SIC Codes is available at http://www.osha.gov/pls/imis/sic_manual.html on the Internet. The quarry has the two-digit SIC Code 14 for the Major Group Mining and Quarrying of Nonmetallic Minerals, Except Fuels. The asphalt plant has the two-digit SIC Code 29 for the Major Group Petroleum Refining and Related Industries. Therefore, the two plants do not have the same two-digit SIC code.

A plant is a support facility to another plant if it dedicates 50% or more of its output to the other plant. The

quarry sends at most 35% of its output to the asphalt plant. The asphalt plant will not dedicate any of its asphalt pavement production to the quarry. The quarry and asphalt plant have separate production staff and separate plant managers. Since the plants have different SIC Codes and neither qualifies as a support facility to the other, they do not meet the second part of the major source definition.

The two plants will be located on the same property, so the third part of the definition is met. However, since the plants do not meet all three parts of the major source definition, IDEM, OAQ has determined that the two plants are not part of the same major source.

Comments and Responses

No Comments were received during this public notice. The Technical Support Document (TSD) is used by IDEM, OAQ for historical purposes. IDEM, OAQ does not make any changes to the original TSD, but the Permit will have the updated changes. IDEM, OAQ has decided to make additional revisions to the permit as described below, with deleted language as ~~strikeouts~~ and new language **bolded**.

1. The source determination is added as Section A.2 and remaining sections are renumbered as follows:

A.2 Source Determination

Sellersburg Stone Company operates both an asphalt pavement plant, Permit No.: 019-29972-00126 and a quarry, Permit No.: 019-18578-00011 at the same location. The quarry provides aggregate to the asphalt plant. The term "major source" is defined at 326 IAC 2-7-1(22). In order for these two plants to be considered one major source, they must meet all three of the following criteria:

(1) the plants must be under common ownership or common control;

(2) the plants must have the same two-digit Standard Industrial Classification (SIC) Code or one must serve as a support facility for the other; and,

(3) the plants must be located on contiguous or adjacent properties.

The two plants have the same owner, so common ownership and common control exist. The first part of the major source definition is met.

The SIC Code Manual of 1987 sets out how to determine the proper SIC Code for each type of business. More information about SIC Codes is available at http://www.osha.gov/pls/imis/sic_manual.html on the Internet. The quarry has the two-digit SIC Code 14 for the Major Group Mining and Quarrying of Nonmetallic Minerals, Except Fuels. The asphalt plant has the two-digit SIC Code 29 for the Major Group Petroleum Refining and Related Industries. Therefore, the two plants do not have the same two-digit SIC code.

A plant is a support facility to another plant if it dedicates 50% or more of its output to the other plant. The quarry sends at most 35% of its output to the asphalt plant. The asphalt plant will not dedicate any of its asphalt pavement production to the quarry. The quarry and asphalt plant have separate production staff and separate plant managers. Since the plants have different SIC Codes and neither qualifies as a support facility to the other, they do not meet the second part of the major source definition.

The two plants will be located on the same property, so the third part of the definition is met. However, since the plants do not meet all three parts of the major source definition,

IDEM, OAQ has determined that the two plants are not part of the same major source.

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

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

(a) One (1) 30,000 gallon liquid asphalt storage tank for asphalt cement (ID No. T-01), constructed in 1990.

...

A.~~3~~**4** Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]

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

...

A.~~4~~**5** FESOP Applicability [326 IAC 2-8-2]

...

IDEM Contact

(a) Questions regarding this proposed Minor Source Operating Permit can be directed to Swarna Prabha at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5376 or toll free at 1-800-451-6027 extension (45376).

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

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

Indiana Department of Environmental Management
Office of Air Quality

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

Source Description and Location

Source Name:	**Sellersburg Stone Company, Inc.**
Source Location:	**1019 East Utica Street, Sellersburg, Indiana 47172**
County:	**Clark**
SIC Code:	**2951**
Operation Permit No.:	**F019-23746-00126**
Significant Permit Revision No.:	**F019-29972-00126**
Permit Reviewer:	**Swarna Prabha**

On December 07, 2010, the Office of Air Quality (OAQ) received an application from Sellersburg Stone Company, Inc. to allow the use of No.4 fuel oil and used/waste oil in the drum mixer/dryer. Currently this source is permitted to burn natural gas, No. 2 distillate and No. 6 residual oil only.

Existing Approvals

The source was issued FESOP Renewal No. 019-23746-00126 on March 26, 2008. The source has since received the following approvals:

First Administrative Amendment No. 019-28170-00126, issued on August 27, 2009.

County Attainment Status

The source is located in Clark County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Attainment effective July 19, 2007, for the 8-hour ozone standard.[1]
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Not designated.

[1]Attainment effective October 23, 2001, for the 1-hour ozone standard for the Louisville area, including Clark County, and is a maintenance area for the 1-hour ozone National Ambient Air Quality Standard (NAAQS) for purposes of 40 CFR Part 51, Subpart X*. The 1-hour standard was revoked effective June 15, 2005.
Basic nonattainment designation effective federally April 5, 2005, for PM2.5.

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

(b) $PM_{2.5}$
Clark County has been classified as nonattainment for $PM_{2.5}$ in 70 FR 943 dated January 5, 2005. On May 8, 2008, U.S. EPA promulgated specific New Source Review rules for $PM_{2.5}$ emissions. These rules became effective on July 15, 2008. Therefore, direct $PM_{2.5}$ and SO_2 emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.

(c) Other Criteria Pollutants
Clark County has been classified as attainment or unclassifiable in Indiana for all other pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

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

Intentionally left blank.... continued on next page....

Status of the Existing Source

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

Process/ Emission Unit	Potential To Emit of the Entire Source prior to revision (tons/year)								
	PM	PM10*	PM2.5**	SO_2	NOx	VOC	CO	Total HAPs	Worst Single HAP
Ducted Emissions									
Fuel Combustion (worst case)	7.01	7.01	7.01	98.98	95.49	2.76	42.22	1.03	0.90 (Hexane)
Dryer/Mixer (Process)	77.4	9.80	9.80	28.41	26.94	15.68	63.68	5.22	1.52 (formaldehyde)
Hot Oil Heater Fuel Combustion	0.27	0.27	0.27	0.021	1.38	0.2	2.94	negl.	negl.
Worst Case Emissions	77.67	10.07	10.07	99.0	96.87	15.88	66.62	5.22	1.52 (formaldehyde)
Fugitive Emissions									
Conveying/Handling	3.44	1.63	1.63	0	0	0	0	0	0
Unpaved Roads	159.97	38.41	38.41	0	0	0	0	0	0
Storage	0.25	0.09	0.09	0	0	0	0	0	0
Recycled Asphalt Crusher	0.77	0.3	0.3	0	0	0	0	0	0
Load-Out & Silo Filling	1.64	1.64	1.64	0	0	42.3	6.65	0.58	0.22 Formaldehyde
Cold Mix Asphalt Production	0	0	0	0	0	40.07	0	0	0
Volatile Organic Liquid Storage Vessels	0	0	0	0	0	0	0	0	0
Total Fugitive Emissions	166.07	42.07	42.07	0	0	82.37	6.65	0.58	0.22 Formaldehyde
Total PTE of Entire Source	243.74	52.14	52.14	99.0	96.87	98.25	73.27	5.8	1.74 Formaldehyde
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	NA	250	250	250	250	NA	NA
Emission Offset/ Nonattainment NSR Major Source Thresholds	NA	NA	100	NA	NA	NA	NA	NA	NA

negl. = negligible
* Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".
**PM2.5 = PM10
Administrative amendment No. 019-28170-00126 and permit No. 019-23746-00126

(a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

(b) This existing source is not a major stationary source under Emission Offset (326 IAC 2-3) or Nonattainment New Source Review (326 IAC 2-1.1-5), because no nonattainment regulated pollutant is emitted at a rate of 100 tons per year or more.

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

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by Sellersburg Stone Company, Inc. on December 07, 2010 requesting to allow the use of No. 4 fuel oil and used/waste oil in the drum mixer/dryer. The addition of the used/waste oil and No.4 oil to burn in the mixer/dryer does not require any physical modifications to the existing emission limits.

Enforcement Issues

There are no pending enforcement actions related to this revision.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – FESOP Revision

This FESOP is being revised through a FESOP Significant Permit Revision pursuant to 326 IAC 2-8-11.1(f)(1)(e), because the revision involves the modification with potential to emit (PTE) greater than 25 tons per year (See PTE of the Entire source After The issuance of the FESOP Revision Section),. Currently this source is permitted to burn natural gas, No. 2 distillate and No. 6 residual oil only in the drum mixer/dryer and requesting to allow the use of No.4 fuel oil and used/waste oil. The table below shows the worst case unlimited PTE from the No.4 fuel oil and used/waste oil combustion.

Process/ Emission Unit	**Potential To Emit of worst case fuel combustion Unlimited (tons/year)**								
	PM	PM10	PM2.5	SO_2	NOx	VOC	CO	Total HAPs	Worst Single HAP
Fuel Combustion (worst case) (No. 4 or waste oil)	116.13	92.54	92.54	533.48	170.57	3.83	18.15	50.85	47.90 **(Hydrogen Chloride)**

PTE of the Entire Source After Issuance of the FESOP Revision

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

Process/ Emission Unit	Potential To Emit of the Entire Source Proposed change (tons/year)								
	PM	PM10*	PM2.5**	SO_2	NOx	VOC	CO	Total HAPs	Worst Single HAP
Ducted Emissions									
Fuel Combustion (worst case)	~~7.01~~ **12.08**	~~7.01~~ **10.47**	~~7.01~~ **10.47**	98.98	95.49	2.76	42.22	~~1.03~~ **6.41**	~~0.90 (Hexane)~~ **4.98 (Hydrogen Chloride)**
Dryer/Mixer (Process)	77.4	9.80	9.80	28.41	26.94	15.68	63.68	5.22	1.52 (formaldehyde)
Hot Oil Heater Fuel Combustion	0.27	0.27	0.27	0.021	1.38	0.2	2.94	negl.	negl.
Worst Case Emissions	77.67	10.07	10.07	99.0	96.87	15.88	66.62	~~5.22~~ **6.41**	~~1.52 (formaldehyde)~~ **4.98 (Hydrogen Chloride)**
Fugitive Emissions									
Conveying/Handling	3.44	1.63	1.63	0	0	0	0	0	0
Unpaved Roads	159.97	38.41	38.41	0	0	0	0	0	0
Storage	0.25	0.09	0.09	0	0	0	0	0	0
Recycled Asphalt Crusher	0.77	0.3	0.3	0	0	0	0	0	0
Load-Out & Silo Filling	1.64	1.64	1.64	0	0	42.3	6.65	0.58	0.22 Formaldehyde
Cold Mix Asphalt Production	0	0	0	0	0	40.07	0	0	0
Volatile Organic Liquid Storage Vessels	0	0	0	0	0	0	0	0	0
Total Fugitive Emissions	166.07	42.07	42.07	0	0	82.37	6.65	0.58	0.22 Formaldehyde
Total PTE of Entire Source	~~243.74~~ **248.8**	~~52.14~~ **55.6**	~~52.14~~ **55.6**	99.0	96.87	98.25	73.27	~~5.8~~ **6.99**	~~**1.74 Formaldehyde**~~ **4.98 (Hydrogen Chloride)**
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	NA	250	250	250	250	NA	NA
Emission Offset/ Nonattainment NSR Major Source Thresholds	NA	NA	100	NA	NA	NA	NA	NA	NA

negl. = negligible
* Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".
**PM2.5 = PM10

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

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance (tons/year)								
	PM	PM10*	PM2.5**	SO_2	NOx	VOC	CO	Total HAPs	Worst Single HAP
Ducted Emissions									
Fuel Combustion (worst case)	12.08	10.47	10.47	98.98	95.49	2.76	42.22	6.41	4.98 Hydrogen Chloride
Dryer/Mixer (Process)	77.4	9.80	9.80	28.41	26.94	15.68	63.68	5.22	1.52 formaldehyde
Hot Oil Heater Fuel Combustion	0.27	0.27	0.27	0.021	1.38	0.2	2.94	negl.	negl.
Worst Case Emissions	**77.67**	**10.07**	**10.07**	**99.0**	**96.87**	**15.88**	**66.62**	**6.32**	**4.98** Hydrogen Chloride
Fugitive Emissions									
Conveying/Handling	3.44	1.63	1.63	0	0	0	0	0	0
Unpaved Roads	159.97	38.41	38.41	0	0	0	0	0	0
Storage	0.25	0.09	0.09	0	0	0	0	0	0
Recycled Asphalt Crusher	0.77	0.3	0.3	0	0	0	0	0	0
Load-Out & Silo Filling	1.64	1.64	1.64	0	0	42.3	6.65	0.58	0.22 Formaldehyde
Cold Mix Asphalt Production	0	0	0	0	0	40.07	0	0	0
Volatile Organic Liquid Storage Vessels	0	0	0	0	0	0	0	0	0
Total Fugitive Emissions	**166.07**	**42.07**	**42.07**	**0**	**0**	**82.37**	**6.65**	**0.58**	**0.22 Formaldehyde**
Total PTE of Entire Source	**248.8**	**55.6**	**55.6**	**99.0**	**96.87**	**98.25**	**73.27**	**6.99**	**4.98** Hydrogen Chloride
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	NA	250	250	250	250	NA	NA
Emission Offset/ Nonattainment NSR Major Source Thresholds	NA	NA	100	NA	NA	NA	NA	NA	NA

negl. = negligible
* Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".
**PM2.5 = PM10

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

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

(c) Nonattainment New Source Review Minor Source
This modification to an existing Nonattainment New Source Review minor stationary source will not change the Nonattainment New Source Review minor status, because the potential to emit of all nonattainment regulated pollutants from the entire source will continue to be less than the Nonattainment New Source Review major source threshold levels. Therefore, pursuant to 326 IAC 2-1.1-5, the Nonattainment New Source Review requirements do not apply.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included for this proposed revision.

Compliance Assurance Monitoring (CAM)

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

State Rule Applicability Determination

The following state rules are applicable to the proposed revision:

(a) 326 IAC 2-8-4 (FESOP)
This modification to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP). See PTE of the Entire Source After Issuance of the FESOP Revision Section above.

(b) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))
This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply. See PTE of the Entire Source After Issuance of the FESOP Revision Section above.

(c) 326 IAC 2-1.1-5 (Nonattainment New Source Review)
This modification to an existing minor stationary source under 326 IAC 2-1.1-5 (Nonattainment New Source Review) will not change the minor status, because the potential to emit of PM2.5 from the entire source will continue to be less than 100 tons per year. Therefore, pursuant to 326 IAC 2-1.1-5, the Nonattainment New Source Review requirements do not apply. See PTE of the Entire Source After Issuance of the FESOP Revision Section above.

(d) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The unlimited potential to emit of HAPs from the modified unit is greater than ten (10) tons per year for any single HAP and/or greater than twenty-five (25) tons per year of a combination of HAPs. However, the source shall limit the potential to emit of HAPs from the modified unit to less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, the proposed revision is not subject to the requirements of 326 IAC 2-4.1. See PTE of the Entire Source After Issuance of the FESOP Revision Section above.

(e) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.

The source shall continue to comply with all other applicable requirements and permit conditions as contained in FESOP Renewal No: 019-23746-00126, issued on March 26, 2008. The following are the new requirements for the use of waste oil:

(f) Dryer/mixer:
Pursuant to 326 IAC 2-8-4(1), the following additional limits shall apply to the aggregate dryer/mixer burner:

(1) The usage of used/waste oil in the burner for the aggregate dryer shall be limited to less than 755,025 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will be expressed in fuel equivalency in terms of No. 6 fuel.

(2) The usage of No. 4 fuel oil in the burner for the aggregate dryer shall be limited to less than 2,521,763 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will be expressed in fuel equivalency in terms of No. 6 fuel.

(3) The chlorine content of the used/waste oil used in the burner for the aggregate dryer shall not exceed two tenths of a percent (0.2%) by weight.

(4) The HCl emissions from the burner for the aggregate dryer shall be limited to less than 13.2 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.

See Appendix A for the detailed calculations for used/waste oil.

(g) Sulfur Dioxide (SO2) 326 IAC 7-1.1
Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide emissions from the 116 million British thermal units per hour burner for the aggregate drum mix dryer (Unit # 2) shall be limited to 0.5 pound per MMBtu heat input when using No.4 fuel oil and 1.6 pounds per MMBtu heat input when using used/waste oil.

Compliance Determination, Monitoring and Testing Requirements

The source is required to comply with additional requirement of Compliance Determination for Hydrogen Chloride (HCl) Emissions and Chlorine Content of the used/waste oil as follows:

The Permittee shall demonstrate that the chlorine content of the fuel used for the aggregate dryer burner

does not exceed two tenths of a percent (0.2%) by weight, when operating on used/waste oil, by providing a vendor analysis of fuel delivered accompanied by a vendor certification.

The existing compliance requirements will not change because of this revision. The source shall continue to comply with the applicable requirements and permit conditions as contained in FESOP Renewal No: 019-23746-00126, issued on March 26, 2008.

Proposed Changes

(a) The following changes listed below are due to the proposed revision. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

(1) The source description A.2(c) is revised to include used/waste oil and N0. 4 fuel oil to the drum dryer/mixer operation.

(2) The emission unit description in Sections D.1 and E.1 are updated in order to maintain consistency with Section A.2(c).

(3) Conditions D.1.2, D.1.4, D.1.5 and D.1.9 are revised to include No.4 fuel oil and used/waste oil in the 116 MMBtu burner and equivalents to comply with 326 IAC 2-8 Conditions are to comply with 326 IAC 2-8-4 and subsequent Conditions are renumbered where needed.

(4) Condition D.1.6 is added for Hydrogen Chloride (HCL) to comply with 326 IAC 2-8-4 and subsequent Conditions are renumbered where needed.

(5) Condition D.1.11, Compliance Determination Requirement is added in order to comply with Condition D.1.6, and subsequent Conditions are renumbered.

(6) The FESOP Quarterly Report has been added to reflect the No. 4 fuel oil, and No.4 fuel oil equivalents usage limits.

(7) The FESOP Quarterly Report has been added to reflect the used/waste fuel oil, and used/waste fuel oil equivalents usage limits.

...

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:

...

(c) One (1) drum dryer/mixer, identified as Unit #2, approved for construction in 2009, with a maximum capacity of 600 tons of asphalt per hour, equipped with one (1) dryer/mixer burner, with a maximum heat input capacity of 200 MMBtu per hour when burning natural gas **,**~~and~~ 116 MMBtu per hour when burning either No. 2 distillate**,** ~~or~~ No. 6 residual fuel oil, **No. 4 fuel oil and used/waste oil** using one (1) baghouse for particulate control, and exhausting to one (1) stack, S/V ID #1.

...

SECTION D.1 FACILITY OPERATION CONDITIONS

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

...

(c) One (1) drum dryer/mixer, identified as Unit #2, approved for construction in 2009, with a maximum capacity of 600 tons of asphalt per hour, equipped with one (1) dryer/mixer burner, with a maximum heat input capacity of 200 MMBtu per hour when burning natural gas**,** ~~and~~ 116 MMBtu per hour when burning either No. 2 distillate **,** ~~or~~ No. 6 residual fuel oil, **No. 4 fuel oil and used/waste oil** using one (1) baghouse for particulate control, and exhausting to one (1) stack, S/V ID #1.

...

...

E. EMISSIONS UNIT OPERATION CONDITIONS (Entire Source)

Emission Unit Description: Entire Source

This section applies to the hot mix asphalt plant.

...

(c) One (1) drum dryer/mixer, identified as Unit #2, approved for construction in 2009, with a maximum capacity of 600 tons of asphalt per hour, equipped with one (1) dryer/mixer burner, with a maximum heat input capacity of 200 MMBtu per hour when burning natural gas**,** ~~and~~ 116 MMBtu per hour when burning either No. 2 distillate**,** ~~or~~ No. 6 residual fuel oil, **No. 4 fuel oil and used/waste oil** using one (1) baghouse for particulate control, and exhausting to one (1) stack, S/V ID #1.

...

...

D.1.2 Sulfur Dioxide (SO2) [326 IAC 7-1.1] [326 IAC 7-2-1]

Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide emissions from the 116 million British thermal units per hour burner for the aggregate drum mix dryer (Unit # 2) shall be limited to 0.5 pound per MMBtu heat input when using No. 2 distillate oil, **No.4 fuel oil or used/waste oil** and shall be limited to 1.6 pound per MMBtu heat input when using No. 6 residual fuel oil.

...

D.1.4 ~~No. 6~~ Fuel Usage and Equivalents [326 IAC 2-8] [326 IAC 2-2]

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

(a) The input of No. 6 residual fuel oil, and No. 6 residual fuel oil equivalents in the 116 MMBtu per hour burner for the aggregate dryer (Unit # 2) shall be limited to 755,025 gallons per twelve (12) consecutive month period with compliance determined at the end of each month, so that SO_2 emissions are limited below 100 tons per year. For purposes of determining compliance, the following shall apply:

...

(2) Every gallon of No. 4 fuel oil burned shall be equivalent to 0.96 gallons of No. 6 residual fuel oil based on SO_2 emissions, such that the total input of No. 6 residual fuel oil and No. 6 residual fuel oil equivalent input does not exceed the limit specified.

(3) Every gallon of used/waste fuel oil burned shall be equivalent to 1.87 gallons of No. 6 residual fuel oil based on SO_2 emissions, such that the total input of No. 6 residual fuel oil and No. 6 residual fuel oil equivalent input does not exceed the limit specified.

...

(d) Sulfur content of No. 4 fuel oil shall not exceed 0.5% by weight.

(e) Sulfur content of used/waste oil shall not exceed 1.00% by weight.

...

D.1.5 Natural Gas and Equivalent Usage [326 IAC 2-8-4][326 IAC 2-2]

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

...

(3) Every 1,000 gallons of No. 4 fuel oil burned shall be equivalent to 0.2474 MMCF of natural gas based on NOx emissions, such that the total input of natural gas and natural gas equivalent input does not exceed the limit specified.

(4) Every 1,000 gallons of used/waste fuel oil burned shall be equivalent to 0.100 MMCF of natural gas based on NOx emissions, such that the total input of natural gas and natural gas equivalent input does not exceed the limit specified.

D.1.6 Hydrogen Chloride (HCl) [326 IAC 2-8-4]

(1) The usage of waste oil in the 116 MMBtu per hour burner for the aggregate dryer shall be limited to less than 755,025 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(2) The chlorine content of the waste oil used in the 116 MMBtu per hour burner for the aggregate dryer shall not exceed one hundred fourteen hundredths of a percent (0.2%) by weight.

(3) The HCl emissions from the in the 116 MMBtu per hour burner for the aggregate dryer shall be limited to less than 13.2 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.1.10 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Condition D.1.2 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 0.5 pound per million Btu heat input when firing No. 2 distillate fuel oil, **or No. 4 fuel oil** and 1.6 pounds per million Btu heat input when firing No. 6 residual fuel oil **or used/waste fuel oil**.

...

Compliance Determination Requirements

D.1.11 Hydrogen Chloride (HCl) Emissions and Chlorine Content

In order to comply with Condition D.1.6, the Permittee shall demonstrate that the chlorine content of the fuel used for the aggregate dryer burner does not exceed two tenths of a percent (0.2%) by weight, when operating on waste oil, by providing a vendor analysis of fuel delivered accompanied by a vendor certification.

....

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. The permit has been revised as follows with deleted language as ~~strikeouts~~ and new language **bolded**:

1. IDEM, OAQ has decided to remove all references to the source mailing address. IDEM, OAQ will continue to maintain records of the mailing address.

2. For clarity, IDEM has changed references to the general conditions: “in accordance with Section B”, in accordance with Section C”, or other similar language to "Section C...contains the Permittee’s obligations with regard to the records required by this condition.”

2. IDEM has included the replacement of an instrument as an acceptable action in Section D - Parametric Monitoring.

3. The phrase "of this permit" has been added to the paragraph of the Quarterly Deviation and Compliance Monitoring Report Form to match the underlying rule.

4. IDEM has decided that the phrases "no later than" and "not later than" are clearer than "within" in relation to the end of a timeline. Therefore all timeline have been switched to "no later than" or "not later than".

5. The word "status" has been added to Section D - Reporting Requirements. The Permittee has the obligation to document the compliance status. The wording has been revised to properly reflect this.

6. IDEM has decided to clarify throughout the permit that a certification needs to meet the requirements of 326 IAC 2-8-5(a)(1). In addition, IDEM has decided to remove the last sentence dealing with the need for certification from the forms because the conditions requiring the forms already addresses this issue.
7. IDEM has decided to clarify the certification requirements in Section B - Duty to Provide Information and Section B - Certification.

8. IDEM has decided to clarify the requirements of Section B – Preventive Maintenance Plan and to add a new paragraph (b) to handle a future situation where the Permittee adds units that need preventive maintenance plans.

9. IDEM has revised the language of the Section B - Preventive Maintenance Plan, Section C - Compliance Monitoring, Section C - General Record Keeping, and Section C - General Reporting to allow the Permittee to not have to begin implementing the requirements of these conditions until ninety days after initial start up.

10. IDEM has added the telephone and facsimile information for the Southwest and Southeast Regional Offices to Section B - Emergency Provisions.

11. IDEM has revised Section B - Emergency Provisions to delete paragraph (h). 326 IAC 2-8-4(3)(C)(ii) allows that deviations reported under an independent requirement do not have to be included in the Quarterly Deviation and Compliance Monitoring Report.

12. IDEM has decided that having a separate condition for the reporting of deviations is unnecessary. Therefore, IDEM has removed Section B - Deviations from Permit Requirements and Conditions and added the requirements of that condition to Section C - General Reporting Requirements. Paragraph (d) of Section C - General Reporting Requirements has been removed because IDEM already states the timeline and certification needs of each report in the condition requiring the report.

13. IDEM has revised Section B - Permit Renewal paragraph (c) to state which rule establishes the authority to set a deadline for the Permittee to submit additional information.

14. IDEM has decided to reference 326 IAC 2 in Section B - Source Modification Requirements, rather than specific construction rule.

15. IDEM has added 326 IAC 5-1-1 to the exception clause of Section C - Opacity, since 326 IAC 5-1-1 does list exceptions.

16. IDEM has revised Section C - Incineration to more closely reflect the two underlying rules.

17. IDEM has revised the language of the Section C - Asbestos Abatement Projects to change the terminology "Accredited" to "Licensed" in order to match the rule. In addition IDEM has revised the language of the Section C - Asbestos Abatement Projects to remove the statement that the requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable, since all

conditions and requirements in a FESOP are federally enforceable.

18. IDEM has removed the first paragraph of Section C - Performance Testing as due to the fact that specific testing conditions elsewhere in the permit will specify the timeline and procedures.

19. IDEM has revised Section C - Compliance Monitoring. The reference to recordkeeping has been removed due to the fact that other conditions already address recordkeeping. The voice of the condition has been change to clearly indicate that it is the Permittee that must follow the requirements of the condition

20. IDEM has removed Section C - Monitoring Methods. The conditions that require the monitoring or testing, if required, state what methods shall be used.

21. IDEM has revised Section C - Response to Excursions or Exceedances. The introduction sentence has been added to clarify that it is only when an excursion or exceedance is detected that the requirements of this condition need to be followed. The word "excess" was added to the last sentence of paragraph (a) because the Permittee only has to minimize excess emissions. The middle of paragraph (b) has been deleted as it was duplicative of paragraph (a). The phrase "or are returning" was added to subparagraph (b)(2) as this is an acceptable response assuming the operation or emission unit does return to normal or its usual manner of operation. The phrase "within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable" was replaced with "normal or usual manner of operation" because the first phrase is just a limited list of the second phrase. The recordkeeping required by paragraph (e) was changed to require only records of the response because the previously listed items are required to be recorded elsewhere in the permit.

22. IDEM has revised Section C - Actions Related to Noncompliance Demonstrated by a Stack Test. The requirements to take response steps and minimize excess emissions have been removed because Section C - Response to Excursions or Exceedances already requires response steps related to exceedances and excess emissions minimization. The start of the timelines was switched from "the receipt of the test results" to "the date of the test." There was confusion if the "receipt" was by IDEM, the Permittee, or someone else. Since the start of the timelines has been moved up, the length of the timelines was increased. The new timelines require action within a comparable timeline; and the new timelines still ensure that the Permittee will return to compliance within a reasonable timeframe.

23. The voice of paragraph (b) of Section C - General Record Keeping Requirements has been changed to clearly indicate that it is the Permittee that must follow the requirements of the paragraph.

24. IDEM has decided to simplify the referencing in Section C - Compliance with 40 CFR 82 and 326 IAC 22-1.

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

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

...

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

(a) ~~Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that,~~**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) ~~One (1) certification shall be included, using~~**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.

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

...

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

...

The submittal by the Permittee does require ~~the~~ **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 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]

~~(a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:~~

(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.

(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.

(~~b~~**c**) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions ~~or potential to emit.~~ The PMPs **and their submittal** do not require ~~the certification~~ **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~~**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.12 Emergency Provisions [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:

...

(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,

~~Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,~~

~~Compliance Section), or~~
~~Telephone Number: 317-233-0178 (ask for Compliance Section)~~
~~Facsimile Number: 317-233-6865~~

Compliance ~~Section~~**and Enforcement Branch**), or
Telephone Number: 317-233-0178 (ask for **Office of Air Quality,**
Compliance ~~Section~~**and Enforcement Branch**)
Facsimile Number: 317-233-6865

...

The notification which shall be submitted by the Permittee does not require ~~the~~ **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).

...

~~(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report. Any emergencies that have been previously reported pursuant to paragraph (b)(5) of this condition and certified by an "authorized individual" need only referenced by the date of the original report.~~

...

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

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

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

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

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

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

...

B.**15**~~16~~ Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require ~~the certification~~**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.**16**~~17~~ Permit Renewal [326 IAC 2-8-3(h)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require ~~the~~ **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.**16**~~17~~ Permit Renewal [326 IAC 2-8-3(h)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require ~~the~~ **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
~~Permits Branch~~**Permit Administration and Support Section**, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

...

(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.**17**~~18~~ Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

...

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

...

Any such application ~~shall be certified~~**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.**19**~~20~~ Source Modification Requirement [326 IAC 2-8-11.1]

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

B.**20**~~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]

...

B.**21**~~22~~ Transfer of Ownership or Operational Control [326 IAC 2-8-10]

...

~~The~~**Any such** application ~~which shall be submitted by the Permittee~~ does require ~~the~~ **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.**22**~~23~~ Annual Fee Payment [326 IAC 2-7-19][326 IAC 2-8-4(6)][326 IAC 2-8-16][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ ~~within~~**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.**23**~~24~~ Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314][326 IAC 1-1-6]

...

C.1 Overall Source Limit [326 IAC 2-8]

...

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

...

C.2 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:

...

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

The Permittee shall not operate an incinerator ~~or incinerate any waste or refuse~~ except as provided in 326 IAC 4-2 ~~and 326 IAC 9-1-2~~**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.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

...

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).

...

(g) Indiana ~~Accredited~~**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 ~~Accredited~~**Licensed** Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. ~~The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.~~

C.9 Performance Testing [326 IAC 3-6]

(a) ~~Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than180 days after initial start-up, if specified in Section D of this approval. All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.~~

~~A~~**For performance testing required by this permit, a** test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

Unless otherwise specified in this permit, **for** all monitoring ~~and record keeping~~ requirements not already legally required**, the Permittee shall be allowed up to** ~~shall be implemented within~~ ninety (90) days ~~of~~ **from the date of** permit issuance **or of initial start-up, whichever is later, to begin such monitoring**. ~~If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.~~ If due to circumstances beyond ~~its~~**the Permittee's** control, ~~that~~ **any monitoring** equipment **required by this permit** cannot be installed and operated ~~within~~**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:

...

The notification which shall be submitted by the Permittee does require ~~the~~ **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 ~~source modification~~ **permit revision** shall be implemented when operation begins.

~~C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]~~

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

C.**12**~~13~~ Instrument Specifications [326 IAC 2-1.1-11][326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

...

C.**13**~~14~~ Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

...

C.**14**~~15~~ Risk Management Plan [326 IAC 2-8-4][40 CFR 68]

...

C.**15**~~16~~ 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) ~~Upon detecting an excursion or exceedance, the~~ **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 ~~and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions~~**. The response** may include, but ~~are~~**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~~ within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable~~ **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.

...

(e) The Permittee shall **record**~~ maintain the following records~~ **the reasonable response steps taken.**~~:~~

~~(1) monitoring data;~~

~~(2) monitor performance data, if applicable; and~~

~~(3) corrective actions taken.~~

C.**16**~~17~~ Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the ~~Permittee shall take appropriate response actions. The~~ Permittee shall submit a description of ~~these~~**its** response actions to IDEM, OAQ, ~~within~~ **no later than** ~~thirty (30) days of receipt of the test results~~**seventy-five (75) days after the date of the test**~~. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented~~.

(b) A retest to demonstrate compliance shall be performed ~~within~~**no later than** one hundred ~~and twenty (120) days of receipt of the original test results~~ **eighty (180) days after the date of the test**. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred ~~twenty (120)~~ **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 ~~the~~ **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.**17**~~18~~ General Record Keeping Requirements [326 IAC 2-8-4(3)][326 IAC 2-8-5]

...

(b) Unless otherwise specified in this permit, **for** all record keeping requirements not already legally required**, the Permittee shall be allowed up to** ~~shall be implemented within~~ 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.19 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]~~

~~(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported.~~

~~This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

~~(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:~~

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

~~(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.~~

~~(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

~~(e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.~~

C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported 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) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

...

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

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

~~(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.~~

~~(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.~~

~~(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.~~

C.19 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.

D.1.1 Particulate Matter (PM and PM-10) [326 IAC 2-2][326 IAC 2-8-4]

The source shall comply as follows:

(d) PM2.5 emissions from the drum-mix aggregate mixing and drying operations shall be limited to 0.020 pounds of ~~PM10~~ **PM2.5** emitted per ton of asphalt produced.

D.1.~~6~~ **7** Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan~~, in accordance with Section B - Preventive Maintenance Plan, of this permit,~~ is required for this facility and the control devices. **Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.**

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

The Permittee shall perform PM**, PM2.5** and PM10 stack testing utilizing methods as approved by the Commissioner to document compliance with Condition D.1.1. These tests shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. PM10 includes filterable and condensable PM10. Testing shall be conducted in accordance with Section C - Performance Testing.

...

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

D.1.1~~0~~**2** Visible Emissions Notations

(a) Visible emissions notations of the drum-mix aggregate dryer/burner baghouse stack exhausts, and the conveyors and transfer points shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

(e) If abnormal emissions are observed, the Permittee shall take reasonable response**.** ~~steps in accordance with~~ Section C - Response to Excursions or Exceedances **contains the Permittee's obligation with regard to the reasonable response steps required by this condition**. Failure to take response steps ~~in accordance with Section C - Response to Excursions or Exceedances~~ shall be considered a deviation from this permit.

D.1.1~~1~~**3** Parametric Monitoring

The Permittee shall record the pressure drop across each of the baghouses used in conjunction with the aggregate dryer/mixer, once per day when the process is in operation. When for any one reading, the pressure drop across either baghouse is outside the normal range of 3.0 to 5.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps**.** ~~in accordance with~~ Section C - Response to Excursions or Exceedances **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 ~~in accordance with Section C - Response to Excursions or Exceedances,~~ shall be considered a deviation from this permit.

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

D.1.1~~2~~**4** Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this proposed permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps**.** ~~in accordance with~~ Section C - Response to Excursions or Exceedances **contains the Permittee's obligation with regard to the reasonable response steps required by this condition**. For any failure with corresponding response steps and timetable not described in the Response to Excursions or Exceedances, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response ~~steps in accordance with Section C - Response to Excursions or Exceedances~~ shall be considered a deviation from this permit.

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this proposed permit (Section B - Emergency Provisions).

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

D.1.1~~3~~**5** Record Keeping Requirements

(a) To document **the** compliance **status** with Condition D.1.1 (a), the Permittee shall maintain records of the total production of asphalt mix in the drum-mix aggregate dryer (Unit # 2). The records shall be complete and sufficient to establish compliance with particulate matter limitations set forth in this permit.

(b) To document compliance with Conditions D.1.4, and D.1.5, the Permittee shall maintain records in accordance with (1) through (6) below.

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

(2) Monthly fuel usages;

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

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

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

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

(c) To document **the** compliance **status** compliance with Condition D.1.11, the Permittee shall maintain daily records of visible emission notations of the drum-mix aggregate dryer/burner baghouse stack exhaust or maintain a record of the reason why the visible emission notations were not taken, (i.e. the process did not operate that day).

(d) To document **the** compliance **status** with Condition D.1.12, the Permittee shall maintain daily records of the pressure drop during normal operation or maintain a record of the reason why the pressure drop notations were not taken, (i.e. the process did not operate that day).

(e) 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 ~~in accordance with Section C - Response to Excursions or Exceedances,~~ shall be considered a deviation from this permit.

D.1.1~~4~~**6** Reporting Requirements

A quarterly summary of the information to document **the** compliance **status** with Conditions D.1.1(a), D.1.4, and D.1.5 shall be submitted ~~to the address listed in Section C - General Reporting Requirements, of this permit~~, using the reporting forms located at the end of this permit, or their equivalent, ~~within~~ **no later than** thirty (30) days after the end of the quarter being reported. **Section C – General Reporting contains the Permitee's obligation with regard to the reporting required by this condition**. ~~The report submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

...

D.2.3 Reporting Requirements

A quarterly summary of the information to document **the** compliance **status** with Condition D.2.1(b) and (d) shall be submitted ~~to the address listed in Section C - General Reporting Requirements using the reporting forms located at the end of this permit~~, or their equivalent, , ~~within~~ **no later than** thirty (30) days after the end of the quarter being reported. **Section C – General Reporting contains the Permitee's obligation with regard to the reporting required by this condition**. ~~The report submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

...

D.4.7 Parametric Monitoring

The Permittee shall record pressure drop across the baghouse used in conjunction with the portable dry additive silo, at least once per day when the portable dry additive silo is in operation. When or any one reading, the pressure drop across the baghouse is outside the normal range of 3.0 and 5.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. 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 ~~in accordance with Section C - Response to Excursions or Exceedances,~~ shall be considered a deviation from this permit.

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

D.4.8 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this proposed permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Response to Excursions or Exceedances shall be initiated. For any failure with corresponding response steps and timetable not described in the Response to Excursions or Exceedances, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response ~~steps in accordance with Section C - Response to Excursions or Exceedances~~ shall be considered a deviation from this permit.

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this proposed permit (Section B - Emergency Provisions).

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

D.4.9 Record Keeping Requirements

(a) To document **the** compliance **status** with Condition D.4.6, the Permittee shall maintain daily records of visible emission notations of the portable dry additive silo stack exhaust once per day or maintain a record of the reason why the visible emission notations were not taken, (i.e. the process did not operate that day).

(b) To document **the** compliance **status** with Condition D.4.7, the Permittee shall maintain daily records of the pressure drop during normal operation or maintain a record of the

reason why the pressure drop notations were not taken, (i.e. the process did not operate that day).

(c) ~~All records shall be maintained in accordance with~~ Section C - General Record Keeping Requirements, of this permit **contains the Permittee's obligations with regard to the records required by this condition**.

E.1.3 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

The Permittee shall perform the stack testing required under NSPS 40 CFR 60, Subpart I, utilizing methods as approved by the Commissioner to document compliance with Condition E.1.2 These tests shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

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

FESOP Fuel Oil Consumption Quarterly Report

Source Name:	Sellersburg Stone Company, Inc.
Source Address:	1019 East Utica Street, Sellersburg, Indiana 47172
~~Mailing Address:~~	~~P.O. Box D, Sellersburg, IN 47172~~
FESOP Permit No.:	F019-23746-00126
Facility:	Aggregate dryer burner.
Parameter:	Fuel oil consumption.
Limit:	The input of No. 6 residual fuel oil**, used/waste oil** and No. 6 residual fuel oil equivalents in the 116 MMBtu per hour burner for the aggregate dryer shall be limited to 755,025 gallons per twelve (12) consecutive month period with compliance determined at the end of each month.

...

This report shall be submitted quarterly based on a calendar year. 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".

...

~~Attach a signed certification to complete this report.~~

Appendix A: Emissions Calculations
Fuel Equivalency Calculations (Natural Gas is the main fuel)
Fuel Combustion Units with Maximum Capacity > 100 MMBtu/hr

Company Name: Sellersburg Stone Company, Inc.
Address City IN Zip: 1019 East Utica Street, Sellersburg, IN 47172
Permit Number: 019-29972-00126
Reviewer: Swarna Prabha

	SO2 Equivalency						NOx Equivalency			
Fuel Type	* Limited Sulfur Content	Limited Sulfur Content Units	AP-42 Emission Factor	Emission Factor Units	Fuel Equivalency	Fuel Equivalency Units	AP-42 Emission Factor	Emission Factor Units	Fuel Equivalency	Fuel Equivalency Units
Natural Gas	NA	NA	0.6	lb/MMCF	1.0	MMCF natural gas per MMCF natural gas	190	lb/MMCF	1.0	MMCF natural gas per MMCF natural gas
No. 2 Fuel Oil	0.50	% by weight	71.00	lb/kgal	118.3	MMCF natural gas per 1000 gal No. 2 fuel oil	24.0	lb/kgal	0.1263	MMCF natural gas per 1000 gal No. 2 fuel oil
No. 4 Fuel Oil	0.50	% by weight	75.00	lb/kgal	125.0	MMCF natural gas per 1000 gal No. 4 fuel oil	47.0	lb/kgal	0.247	MMCF natural gas per 1000 gal No. 4 fuel oil
Residual (No. 5 or No. 6) Fuel Oil	0.50	% by weight	78.50	lb/kgal	130.8	MMCF natural gas per 1000 gal residual (No. 5 or No. 6) fuel oil	47.0	lb/kgal	0.247	MMCF natural gas per 1000 gal residual (No. 5 or No. 6) fuel oil
Propane	0.20	gr/100 ft3 sulfur	0.020	lb/kgal	0.0333	MMCF natural gas / 1000 gal propane	13.0	lb/kgal	0.0684	MMCF natural gas per 1000 gal propane
Butane	0.22	gr/100 ft3 sulfur	0.0198	lb/kgal	0.0330	MMCF natural gas per 1000 gal butane	15.0	lb/kgal	0.0789	MMCF natural gas per 1000 gal butane
Waste Oil	1.0	% by weight	147.00	lb/kgal	245.0	MMCF natural gas per 1000 gal waste oil	19.0	lb/kgal	0.1000	MMCF natural gas per 1000 gal waste oil
Diesel Engine Oil	NA	NA	40.8	lb/kgal	67.7	MMCF natural gas per 1000 gal diesel engine oil	617.4	lb/kgal	3.249	MMCF natural gasper 1000 gal diesel engine oil

Methodology
Fuel Equivalency = [AP-42 Emission Factor for any fuel type (lb/kgal)] / [AP-42 Emission Factor for Natural Gas (lb/MMCF)]
* Limited Sulfur Content - see Page 2 of Appendix A.2
Sources of AP-42 Emission Factors for fuel combustion:
Natural Gas (boiler > 100 MMBtu/hr): AP-42 Chapter 1.4 (dated 7/98), Tables 1.4-1 and 1.4-2
No. 2, No.4, and residual fuel oil (industrial boiler > 100 MMBtu/hr): AP-42 Chapter 1.3 (dated 9/98), Table 1.3-1
Propane and Butane (industrial boiler 10 to 100 MMBtu/hr): AP-42 Chapter 1.5 (dated 10/96), Table 1.5-1
Waste Oil (small boiler): AP-42 Chapter 1.11 (dated 10/96), Table 1.11-2
Diesel Engine Oil: AP-42 Chapter 3.3 (dated 10/96), Table 3.3-1

Appendix A: Emissions Calculations
Fuel Equivalency Calculations (No. 4 Oil is the main fuel)
Fuel Combustion Units with Maximum Capacity > 100 MMBtu/hr

Company Name: Sellersburg Stone Company, Inc.
Address City IN Zip: 1019 East Utica Street, Sellersburg, IN 47172
Permit Number: 019-29972-00126
Reviewer: Swarna Prabha

	SO2 Equivalency						NOx Equivalency			
Fuel Type	* Limited Sulfur Content	Limited Sulfur Content Units	AP-42 Emission Factor	Emission Factor Units	Fuel Equivalency	Fuel Equivalency Units	AP-42 Emission Factor	Emission Factor Units	Fuel Equivalency	Fuel Equivalency Units
Natural Gas	NA	NA	0.6	lb/MMCF	0.125	MMCF natural gas per No. 4 fuel oil	190	lb/MMCF	0.00925	MMCF natural gas per gal No. 4 fuel oil
No. 2 Fuel Oil	0.50	% by weight	71.00	lb/kgal	1.06	gal No. 2 fuel oil per gal No. 4 fuel oil	24.0	lb/kgal	1.96	gal No. 2 fuel oil per gal No. 4 fuel oil
No. 4 Fuel Oil	0.50	% by weight	75.00	lb/kgal	1.00	gal No. 4 fuel oil per gal No. 4 fuel oil	47.0	lb/kgal	1.00	gal No. 4 fuel oil per gal No. 4 fuel oil
Residual (No. 5 or No. 6) Fuel Oil	0.50	% by weight	78.50	lb/kgal	0.96	gal residual (No. 5 or No. 6) fuel oil per gal No. 4 fuel oil	47.0	lb/kgal	1.00	gal residual (No. 5 or No. 6) fuel oil per gal No. 4 fuel oil
Propane	0.20	gr/100 ft3 sulfur	0.020	lb/kgal	3750	gal propane per gal No. 4 fuel oil	13.0	lb/kgal	3.62	gal propane per gal No. 4 fuel oil
Butane	0.22	gr/100 ft3 sulfur	0.0198	lb/kgal	3788	gal butane per gal No. 4 fuel oil	15.0	lb/kgal	3.13	gal butane per gal No. 4 fuel oil
Waste Oil	1.0	% by weight	147.00	lb/kgal	0.51	gal waste oil per gal No. 4 fuel oil	19.0	lb/kgal	2.47	gal waste oil per gal No. 4 fuel oil
Diesel Engine Oil	NA	NA	40.6	lb/kgal	1.85	gal diesel engine oil per gal No. 4 fuel oil	617.4	lb/kgal	0.076	gal diesel engine oil per gal No. 4 fuel oil

Methodology
Fuel Equivalency = [AP-42 Emission Factor for No. 4 fuel oil (lb/kgal)] / [AP-42 Emission Factor for any fuel type (lb/kgal or lb/MMCF)]
* Limited Sulfur Content - see Page 2 of Appendix A.2
Sources of AP-42 Emission Factors for fuel combustion:

Natural Gas (boiler > 100 MMBtu/hr): AP-42 Chapter 1.4 (dated 7/98), Tables 1.4-1 and 1.4-2
No. 2, No.4, and residual fuel oil (industrial boiler > 100 MMBtu/hr): AP-42 Chapter 1.3 (dated 9/98), Table 1.3-1
Propane and Butane (industrial boiler 10 to 100 MMBtu/hr): AP-42 Chapter 1.5 (dated 10/96), Table 1.5-1
Waste Oil (small boiler): AP-42 Chapter 1.11 (dated 10/96), Table 1.11-2
Diesel Engine Oil: AP-42 Chapter 3.3 (dated 10/96), Table 3.3-1

Appendix A: Emissions Calculations
Fuel Equivalency Calculations (Waste Oil is the main fuel)
Fuel Combustion Units with Maximum Capacity > 100 MMBtu/hr

Company Name: Sellersburg Stone Company, Inc.
Address City IN Zip: 1019 East Utica Street, Sellersburg, IN 47172
Permit Number: 019-29972-00126
Reviewer: Swarna Prabha

	SO2 Equivalency						NOx Equivalency			
Fuel Type	* Limited Sulfur Content	Limited Sulfur Content Units	AP-42 Emission Factor	Emission Factor Units	Fuel Equivalency	Fuel Equivalency Units	AP-42 Emission Factor	Emission Factor Units	Fuel Equivalency	Fuel Equivalency Units
Natural Gas	NA	NA	0.6	lb/MMCF	0.2	MMCF natural gas per gal waste oil	190	lb/MMCF	0.00010	MMCF natural gas per gal waste oil
No. 2 Fuel Oil	0.50	% by weight	71.00	lb/kgal	2.07	gal No. 2 fuel oil per gal waste oil	24.0	lb/kgal	0.792	gal No. 2 fuel oil per gal waste oil
No. 4 Fuel Oil	0.50	% by weight	75.00	lb/kgal	1.96	gal No. 4 fuel oil per gal waste oil	47.0	lb/kgal	0.404	gal No. 4 fuel oil per gal waste oil
Residual (No. 5 or No. 6) Fuel Oil	0.50	% by weight	78.50	lb/kgal	1.87	gal residual (No. 5 or No. 6) fuel oil per gal waste oil	47.0	lb/kgal	0.404	gal residual (No. 5 or No. 6) fuel oil per gal waste oil
Propane	0.20	gr/100 ft3 sulfur	0.020	lb/kgal	7360	gal propane per gal waste oil	13.0	lb/kgal	1.46	gal propane per gal waste oil
Butane	0.22	gr/100 ft3 sulfur	0.0198	lb/kgal	7424	gal butane per gal waste oil	15.0	lb/kgal	1.267	gal butane per gal waste oil
Waste Oil	1.0	% by weight	147.00	lb/kgal	1.00	gal waste oil per gal waste oil	19.0	lb/kgal	1.00	gal waste oil per gal waste oil
Diesel Engine Oil	NA	NA	40.6	lb/kgal	3.62	gal diesel engine oil per gal waste oil	617.4	lb/kgal	0.031	gal diesel engine oil per gal waste oil

Methodology
Fuel Equivalency = [AP-42 Emission Factor for waste oil (lb/kgal)] / [AP-42 Emission Factor for any fuel type (lb/kgal or lb/MMCF)]
* Limited Sulfur Content - see Page 2 of Appendix A.2
Sources of AP-42 Emission Factors for fuel combustion:
Natural Gas (boiler > 100 MMBtu/hr): AP-42 Chapter 1.4 (dated 7/98), Tables 1.4-1 and 1.4-2
No. 2, No.4, and residual fuel oil (industrial boiler > 100 MMBtu/hr): AP-42 Chapter 1.3 (dated 9/98), Table 1.3-1
Propane and Butane (industrial boiler 10 to 100 MMBtu/hr): AP-42 Chapter 1.5 (dated 10/96), Table 1.5-1
Waste Oil (small boiler): AP-42 Chapter 1.11 (dated 10/96), Table 1.11-2
Diesel Engine Oil: AP-42 Chapter 3.3 (dated 10/96), Table 3.3-1

Appendix A.1: Emissions Calculations
Unlimited Emission Summary

Company Name: Sellersburg Stone Company, Inc.
Source Address: 1019 East Utica Street, Sellersburg, IN 47172
Significant Revision Permit No.: 019-299272-00126
Reviewer: Swarna Prabha

Asphalt Plant Maximum Capacity

Maximum Hourly Asphalt Production =	600	ton/hr								
Maximum Annual Asphalt Production =	5,256,000	ton/yr								
Maximum Dryer Fuel Input Rate (When Combusting Natural Gas) =	200.0	MMBtu/hr								
Maximum Dryer Fuel Input Rate (When Combusting Oil) =	116.0	MMBtu/hr								
Natural Gas Usage =	1,752	MMCF/yr								
No. 2 Fuel Oil Usage =	7,258,286	gal/yr, and	0.50	% sulfur						
No. 4 Fuel Oil Usage =	7,258,286	gal/yr, and	0.50	% sulfur						
Residual (No. 5 or No. 6) Fuel Oil Usage =	6,774,400	gal/yr, and	1.67	% sulfur						
Propane Usage =	0	gal/yr, and	0.00	gr/100 ft3 sulfur						
Butane Usage =	0	gal/yr, and	0.00	gr/100 ft3 sulfur						
Used/Waste Oil Usage =	7,258,286	gal/yr, and	1.00	% sulfur	0.50	% ash	0.200	% chlorine	0.010	% lead
Diesel Engine Oil Usage =	0	gal/yr, and								
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/Uncontrolled Emissions

	Unlimited/Uncontrolled Potential to Emit (tons/year)									
	Criteria Pollutants							Hazardous Air Pollutants		
Process Description	PM	PM10	PM2.5	SO2	NOx	VOC	CO	Total HAPs	Worst Case HAP	
Ducted Emissions										
Dryer Fuel Combustion (worst case)	116.13	92.54	92.54	888.09	170.57	4.82	73.58	53.01	47.90	(hydrogen chloride)
Dryer/Mixer (Process)	73584.00	17082.00	3942.00	152.42	144.54	84.10	341.64	28.01	8.15	(formaldehyde)
Worst Case Emissions*	**73584.00**	**17082.00**	**3942.00**	**888.09**	**170.57**	**84.10**	**341.64**	**53.01**	**47.90**	(hydrogen chloride)
Totals Unlimited/Uncontrolled PTE	**73584.00**	**17082.00**	**3942.00**	**888.09**	**170.57**	**84.10**	**341.64**	**53.01**	**47.90**	(hydrogen chloride)

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
Fuel component percentages provided by the source.

Appendix A.1: Emissions Calculations
Dryer/Mixer Fuel Combustion with Maximum Capacity > 100 MMBtu/hr
Unlimited Emissions

Company Name: Sellersburg Stone Company, Inc.
Source Address: 1019 East Utica Street, Sellersburg, IN 47172
Significant Revision Permit No.: 019-29972-00126
Reviewer: Swarna Prabha

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 Hourly Asphalt Production =	600	ton/hr						
Maximum Annual Asphalt Production =	5,256,000	ton/yr						
Maximum Dryer Fuel Input Rate (When Combusting Natural Gas) =	200	MMBtu/hr						
Maximum Dryer Fuel Input Rate (When Combusting Oil) =	116	MMBtu/hr						
Natural Gas Usage =	1,752	MMCF/yr						
No. 2 Fuel Oil Usage =	7,258,286	gal/yr, and	0.50	% sulfur				
No. 4 Fuel Oil Usage =	7,258,286	gal/yr, and	0.50	% sulfur				
Residual (No. 5 or No. 6) Fuel Oil Usage =	6,774,400	gal/yr, and	1.67	% sulfur				
Propane Usage =	0	gal/yr, and	0.00	gr/100 ft3 sulfur				
Butane Usage =	0	gal/yr, and	0.00	gr/100 ft3 sulfur				
Used/Waste Oil Usage =	7,258,286	gal/yr, and	1.00	% sulfur,	0.50	% ash,	0.200 % chlorine,	0.010 % lead
Diesel Engine Oil Usage =	0	gal/yr, and						

Unlimited/Uncontrolled Emissions

	Emission Factor (units)								Unlimited/Uncontrolled Potential to Emit (tons/yr)								
Criteria Pollutant	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)	Diesel Engine (lb/kgal)	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)	Diesel Engine (tons/yr)	Worse Case Fuel (tons/yr)
PM	1.9	2.0	7.0	16.5873	0.6	0.6	32.0	43.4	1.66	7.26	25.40	62.89	0.000	0.000	116.13	0.00	116.13
PM10/PM2.5	7.6	3.3	5.3	20.0673	0.5	0.6	25.6	43.4	6.66	11.98	19.12	87.97	0.000	0.000	92.54	0.00	92.54
SO2	0.6	76.5	75.0	262.2	0.000	0.000	147.0	40.6	0.53	284.89	272.19	888.09	0.000	0.000	533.48	0.00	888.09
NOx	190	24.0	47.0	47.0	13.0	15.0	19.0	617.4	166.44	87.10	170.57	159.20	0.00	0.00	68.95	0.00	170.57
VOC	5.5	0.20	0.20	0.28	1.00	1.10	1.0	49.00	4.82	0.73	0.73	0.95	0.00	0.00	3.03	0.00	4.82
CO	84	5.0	5.0	5.0	7.5	8.4	5.0	139.0	73.584	18.15	18.15	16.94	0.00	0.00	18.15	0.00	73.58
Hazardous Air Pollutant																	
HCl							13.2										
Antimony			5.25E-03	5.25E-03			negl				1.91E-02	1.78E-02			47.00		47.00
Arsenic	2.0E-04	5.6E-04	1.32E-03	1.32E-03			1.1E-01		1.8E-04	2.03E-03	4.79E-03	4.47E-03			negl		1.9E-02
Beryllium	1.2E-05	4.2E-04	2.75E-05	2.75E-05			negl		1.1E-05	1.52E-03	1.01E-04	9.42E-05			3.99E-01		4.0E-01
Cadmium	1.1E-03	4.2E-04	3.96E-04	3.96E-04			9.8E-03		9.6E-04	1.52E-03	1.44E-03	1.35E-03			negl		1.5E-03
Chromium	1.4E-03	4.2E-04	8.45E-04	8.45E-04			2.0E-02		1.2E-03	1.52E-03	3.07E-03	2.86E-03			3.98E-02		3.4E-02
Cobalt	8.4E-05		6.02E-03	6.02E-03			2.1E-04		7.4E-05		2.18E-02	2.04E-02			7.28E-02		7.3E-02
Lead	5.0E-04	1.3E-03	1.51E-03	1.51E-03			0.55		4.4E-04	4.57E-03	5.48E-03	5.11E-03			7.02E-04		2.2E-02
Manganese	3.8E-04	8.4E-04	3.00E-03	3.00E-03			6.6E-02		3.3E-04	3.05E-03	1.09E-02	1.02E-02			2.00E+00		2.00
Mercury	2.6E-04	4.2E-04	1.13E-04	1.13E-04					2.3E-04	1.52E-03	4.10E-04	3.83E-04			2.47E-01		0.25
Nickel	2.1E-03	4.2E-04	8.45E-02	8.45E-02			1.1E-02		1.8E-03	1.52E-03	3.07E-01	2.86E-01					1.5E-03
Selenium	2.4E-05	2.1E-03	8.83E-04	8.83E-04			negl		2.1E-05	7.62E-03	3.20E-03	2.31E-03			3.99E-02		0.307
1,1,1-Trichloroethane			2.36E-04	2.36E-04							8.56E-04	7.99E-04			negl		7.6E-03
1,3-Butadiene								5.47E-03									8.6E-04
Acetaldehyde								1.07E-01								0.00E+00	0.0E+00
Acrolein								1.30E-02								0.00E+00	0.0E+00
Benzene	2.1E-03		2.14E-04	2.14E-04				1.31E-01	1.8E-03		7.77E-04	7.25E-04				0.00E+00	0.0E+00
Bis(2-ethylhexyl)phthalate							2.2E-03									0.00E+00	1.8E-03
Dichlorobenzene	1.2E-03						8.0E-07		1.1E-03						7.98E-03		8.0E-03
Ethylbenzene			6.36E-05	6.36E-05											2.90E-06		1.1E-03
Formaldehyde	7.5E-02	6.10E-02	3.30E-02	3.30E-02				1.65E-01	6.6E-02	2.21E-01	2.31E-04	2.15E-04					2.3E-04
Hexane	1.8E+00								1.58		1.20E-01	1.12E-01				0.00E+00	0.221
Phenol							2.4E-03										1.58
Toluene	3.4E-03		6.20E-03	6.20E-03				5.73E-02	3.0E-03		2.25E-02	2.10E-02			5.71E-03		8.7E-03
Total PAH Haps	negl		1.13E-03	1.13E-03			3.9E-02	2.35E-02	negl		4.10E-03	3.83E-03			1.42E-01	0.00E+00	2.3E-02
Polycyclic Organic Matter			8.90E-03							1.20E-02							1.2E-02
Xylene			1.09E-04	1.09E-04				3.99E-02			3.96E-04	3.69E-04				0.00E+00	4.0E-04
								Total HAPs	1.85	0.26	0.52	0.49	0	0	50.85	0.00	53.01

Methodology

Natural Gas Usage (MMCF/yr) = [Maximum Fuel Input Rate (MMBtu/hr)] * [8,760 hrs/yr] * [1 MMCF/1,000 MMBtu]
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/0.0905 MMBtu]
Butane Usage (gal/yr) = [Maximum Fuel Input Rate (MMBtu/hr)] * [8,760 hrs/yr] * [1 gal/0.0974 MMBtu]
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]
Sources of AP-42 Emission Factors for fuel combustion:

Natural Gas: AP-42 Chapter 1.4 (dated 7/98), Tables 1.4-1, 1.4-2, 1.4-3, and 1.4-4
No. 2, No.4, and No.6 Fuel Oil: AP-42 Chapter 1.3 (dated 9/98), Tables 1.3-1, 1.3-2, 1.3-3, 1.3-8, 1.3-9, 1.3-10, and 1.3-11
Propane and Butane: AP-42 Chapter 1.5 (dated 7/08), Tables 1.5-1 (assuming PM = PM10)
Waste Oil: AP-42 Chapter 1.11 (dated 10/96), Tables 1.11-1, 1.11-2, 1.11-3, 1.11-4, and 1.11-5
Diesel Engine Oil: AP-42 Chapter 3.3 (dated 10/96), Tables 3.3-1 and 3.3-2

*Since there are no specific AP-42 HAP emission factors for combustion of No. 4 fuel oil, it was assumed that HAP emissions from combustion of No. 4 fuel oil were equal to combustion of residual or No. 6 fuel oil.

Abbreviations

PM = Particulate Matter
PM10 = Particulate Matter (<10 um)
PM2.5 = Particulate Matter (< 2.5 um)
SO2 = Sulfur Dioxide
NOx = Nitrous Oxides
VOC - Volatile Organic Compounds
CO = Carbon Monoxide
HAP = Hazardous Air Pollutant
HCl = Hydrogen Chloride
PAH = Polyaromatic Hydrocarbon

Appendix A.1: Emissions Calculations
Dryer/Mixer
Unlimited Process Emissions

Company Name: Sellersburg Stone Company, Inc.
Source Address: 1019 East Utica Street, Sellersburg, IN 47172
Significant Revision Permit No.: 019-29972-00126
Reviewer: Swarna Prabha

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

Maximum Hourly Asphalt Production = 600 ton/hr
Maximum Annual Asphalt Production = 5,256,000 ton/yr

	Uncontrolled Emission Factors (lb/ton)			Unlimited/Uncontrolled Potential to Emit (tons/yr)			
	Drum-Mix Plant (dryer/mixer)			Drum-Mix Plant (dryer/mixer)			
Criteria Pollutant	Natural Gas	No. 2 Fuel Oil	Waste Oil	Natural Gas	No. 2 Fuel Oil	Waste Oil	Worse Case PTE
PM*	28	28	28	73584	73584	73584	73584
PM10*	6.5	6.5	6.5	17082	17082	17082	17082
PM2.5*	1.5	1.5	1.5	3942	3942	3942	3942
SO2**	0.0034	0.011	0.058	8.9	28.9	152.4	152.4
NOx**	0.026	0.055	0.055	68.3	144.5	144.5	144.5
VOC**	0.032	0.032	0.032	84.1	84.1	84.1	84.1
CO***	0.13	0.13	0.13	341.6	341.6	341.6	341.6
Hazardous Air Pollutant							
HCl			2.10E-04			5.52E-01	0.55
Antimony	1.80E-07	1.80E-07	1.80E-07	4.73E-04	4.73E-04	4.73E-04	4.73E-04
Arsenic	5.60E-07	5.60E-07	5.60E-07	1.47E-03	1.47E-03	1.47E-03	1.47E-03
Beryllium	negl	negl	negl	negl	negl	negl	0.00E+00
Cadmium	4.10E-07	4.10E-07	4.10E-07	1.08E-03	1.08E-03	1.08E-03	1.08E-03
Chromium	5.50E-06	5.50E-06	5.50E-06	1.45E-02	1.45E-02	1.45E-02	1.45E-02
Cobalt	2.60E-08	2.60E-08	2.60E-08	6.83E-05	6.83E-05	6.83E-05	6.83E-05
Lead	6.20E-07	1.50E-05	1.50E-05	1.63E-03	3.94E-02	3.94E-02	3.94E-02
Manganese	7.70E-06	7.70E-06	7.70E-06	2.02E-02	2.02E-02	2.02E-02	2.02E-02
Mercury	2.40E-07	2.60E-06	2.60E-06	6.31E-04	6.83E-03	6.83E-03	6.83E-03
Nickel	6.30E-05	6.30E-05	6.30E-05	0.17	0.17	0.17	0.17
Selenium	3.50E-07	3.50E-07	3.50E-07	9.20E-04	9.20E-04	9.20E-04	9.20E-04
2,2,4 Trimethylpentane	4.00E-05	4.00E-05	4.00E-05	0.11	0.11	0.11	0.11
Acetaldehyde			1.30E-03			3.42	3.42
Acrolein			2.60E-05			6.83E-02	6.83E-02
Benzene	3.90E-04	3.90E-04	3.90E-04	1.02	1.02	1.02	1.02
Ethylbenzene	2.40E-04	2.40E-04	2.40E-04	0.63	0.63	0.63	0.63
Formaldehyde	3.10E-03	3.10E-03	3.10E-03	8.15	8.15	8.15	8.15
Hexane	9.20E-04	9.20E-04	9.20E-04	2.42	2.42	2.42	2.42
Methyl chloroform	4.80E-05	4.80E-05	4.80E-05	0.13	0.13	0.13	0.13
MEK			2.00E-05			0.05	0.05
Propionaldehyde			1.30E-04			0.34	0.34
Quinone			1.60E-04			0.42	0.42
Toluene	1.50E-04	2.90E-03	2.90E-03	0.39	7.62	7.62	7.62
Total PAH Haps	1.90E-04	8.80E-04	8.80E-04	0.50	2.31	2.31	2.31
Xylene	2.00E-04	2.00E-04	2.00E-04	0.53	0.53	0.53	0.53
						Total HAPs	**28.01**
						Worst Single HAP	**8.15** (formaldehyde)

Methodology
Unlimited/Uncontrolled Potential to Emit (tons/yr) = (Maximum Annual Asphalt Production (tons/yr)) * (Emission Factor (lb/ton)) * (ton/2000 lbs)
Emission Factors from AP-42 Chapter 11.1 (dated 3/04), Tables 11.1-3, 11.1-7, 11.1-8, 11.1-10, and 11.1-12
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.

* PM, PM10, and PM2.5 AP-42 emission factors based on drum mix dryer fired with natural gas, propane, fuel oil, and waste oil. According to AP-42 fuel type does not significantly effect PM, PM10, and PM2.5 emissions.
** SO2, NOx, and VOC AP-42 emission factors are for natural gas, No. 2 fuel oil, and waste oil only.
*** CO AP-42 emission factor determined by combining data from drum mix dryer fired with natural gas, No. 6 fuel oil, and No. 2 fuel oil to develop single CO emission factor.

Abbreviations
VOC - Volatile Organic Compounds
HCl = Hydrogen Chloride
SO2 = Sulfur Dioxide
HAP = Hazardous Air Pollutant
PAH = Polyaromatic Hydrocarbon

Appendix A.2: Limited Emissions Summary
Dryer/Mixer

Company Name: Sellersburg Stone Company, Inc.
Source Address: 1019 East Utica Street, Sellersburg, IN 47172
Significant Revision Permit No.: 019-29972-00126
Reviewer: Swarna Prabha

Asphalt Plant Limitations

Maximum Hourly Asphalt Production =	600	ton/hr								
Annual Asphalt Production Limitation =	979,692	ton/yr								
Natural Gas Limitation =	1,005.14	MMCF/yr								
No. 2 Fuel Oil Limitation =	2,521,763	gal/yr, and	0.50	% sulfur						
No. 4 Fuel Oil Limitation =	2,521,763	gal/yr, and	0.50	% sulfur						
Residual (No. 5 or No. 6) Fuel Oil Limitation =	755,025	gal/yr, and	1.67	% sulfur						
Propane Limitation =	0	gal/yr, and	0.00	gr/100 ft3 sulfur						
Butane Limitation =	0	gal/yr, and	0.00	gr/100 ft3 sulfur						
Used/Waste Oil Limitation =	755,025	gal/yr, and	1.00	% sulfur	0.50	% ash	0.200	% chlorine,	0.010	% lead
Diesel Engine Oil Limitation =	0	gal/yr, and								

PM Dryer/Mixer Limitation =	0.158	lb/ton of asphalt production
PM10 Dryer/Mixer Limitation =	0.020	lb/ton of asphalt production
PM2.5 Dryer/Mixer Limitation =	0.020	lb/ton of asphalt production
CO Dryer/Mixer Limitation =	0.130	lb/ton of asphalt production
VOC Dryer/Mixer Limitation =	0.032	lb/ton of asphalt production
Cold Mix Asphalt VOC Usage Limitation =	40.07	tons/yr

Limited/Controlled Emissions

	Limited/Controlled Potential Emissions (tons/year)									
	Criteria Pollutants							Hazardous Air Pollutants		
Process Description	PM	PM10	PM2.5	SO2	NOx	VOC	CO	Total HAPs	Worst Case HAP	
Ducted Emissions										
Dryer Fuel Combustion (worst case)	12.08	10.47	10.47	98.98	95.49	2.76	42.22	6.41	4.98	(Hydrogen Chloride)
Dryer/Mixer (Process)	77.40	9.80	9.80	28.41	26.94	15.68	63.68	5.22	1.52	(formaldehyde)
Worst Case Emissions*	77.40	10.47	10.47	98.98	95.49	15.68	63.68	6.41	4.98	(Hydrogen Chloride)
Totals Limited/Controlled Emissions**	77.40	10.47	10.47	98.98	95.49	15.68	63.68	6.41	4.98	(Hydrogen Chloride)

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
Fuel component percentages provided by the source.
**Limited Potential to Emit based on existing limits in FESOP Renewal No: 019-23746-00126.

Appendix A.2: Limited Emissions Summary
Dryer/Mixer Fuel Combustion with Maximum Capacity > 100 MMBtu/hr

Company Name: Sellersburg Stone Company, Inc.
Source Address: 1019 East Utica Street, Sellersburg, IN 47172
nificant Revision Permit No.: 019-29972-00126
Reviewer: Swarna Prabha

The following calculations determine the limited emissions created from the combustion of natural gas, fuel oil, propane, butane, or used/waste oil in the dryer/mixer and all other fuel combustion sources at the source.

Production and Fuel Limitations

Maximum Hourly Asphalt Production =	600	ton/hr						
Annual Asphalt Production Limitation =	979,692	ton/yr						
Natural Gas Limitation =	1,005	MMCF/yr						
No. 2 Fuel Oil Limitation =	2,521,763	gal/yr, and	0.50	% sulfur				
No. 4 Fuel Oil Limitation =	2,521,763	gal/yr, and	0.50	% sulfur				
Residual (No. 5 or No. 6) Fuel Oil Limitation =	755,025	gal/yr, and	1.67	% sulfur				
Propane Limitation =	0	gal/yr, and	0.00	gr/100 ft3 sulfur				
Butane Limitation =	0	gal/yr, and	0.00	gr/100 ft3 sulfur				
Used/Waste Oil Limitation =	755,025	gal/yr, and	1.00	% sulfur	0.50	% ash	0.200	% chlorine, 0.010 % lead
Diesel Engine Oil Limitation =	0	gal/yr, and						

Limited Emissions

	Emission Factor (units)								Limited Potential to Emit (tons/yr)								
Criteria Pollutant	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)	Diesel Engine (lb/kgal)	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)	Diesel Engine (tons/yr)	Worse Case Fuel (tons/yr)
PM	1.9	2	7	18.57	0.5	0.6	32	43.4	0.95	2.52	8.83	7.01	0.000	0.000	12.06	0.00	12.06
PM10	7.6	3.3	9.3	18.57	0.5	0.6	25.5	43.4	3.82	4.16	10.47	7.01	0.000	0.000	9.63	0.00	10.47
SO2	0.6	78.5	75.0	262.2	0.000	0.000	147.0	40.6	0.30	98.98	94.57	98.98	0.000	0.000	55.49	0.00	98.98
NOx	190	24.0	47.0	47.0	13.0	15.0	19.0	617.4	95.49	30.26	59.26	17.74	0.00	0.00	7.17	0.00	95.49
VOC	5.5	0.20	0.20	0.28	1.00	1.10	1.0	49.00	2.76	0.25	0.25	0.11	0.00	0.00	0.38	0.00	2.76
CO	84	5.0	5.0	5.0	7.5	8.4	5.0	133.0	42.22	6.30	6.30	1.89	0.00	0.00	1.89	0.00	42.22
Hazardous Air Pollutant																	
HCl							13.2								4.98		4.98
Antimony			5.25E-03	5.25E-03			negl				6.62E-03	1.98E-03			negl		6.6E-03
Arsenic	2.0E-04	5.6E-04	1.32E-03	1.32E-03			1.1E-01		1.0E-04	7.06E-04	1.66E-03	4.98E-04			4.15E-02		4.2E-02
Beryllium	1.2E-05	4.2E-04	2.78E-05	2.78E-05			negl		6.0E-06	5.30E-04	3.51E-05	1.05E-05			negl		5.3E-04
Cadmium	1.1E-03	4.2E-04	3.98E-04	3.98E-04			9.3E-03		5.6E-04	5.30E-04	5.02E-04	1.50E-04			3.51E-03		3.5E-03
Chromium	1.4E-03	4.2E-04	8.45E-04	8.45E-04			2.0E-02		7.0E-04	5.30E-04	1.07E-03	3.19E-04			7.65E-03		7.6E-03
Cobalt	8.4E-05		6.02E-03	6.02E-03			2.1E-04		4.2E-05		7.59E-03	2.27E-03			7.93E-05		7.6E-03
Lead	5.0E-04	1.3E-03	1.51E-03	1.51E-03			0.55		2.5E-04	1.59E-03	1.90E-03	5.70E-04			2.1E-01		0.21
Manganese	3.8E-04	8.4E-04	3.00E-03	3.00E-03			6.8E-02		1.9E-04	1.06E-03	3.78E-03	1.13E-03			2.57E-02		0.03
Mercury	2.6E-04	4.2E-04	1.13E-04	1.13E-04					1.3E-04	5.30E-04	1.42E-04	4.27E-05					5.3E-04
Nickel	2.1E-03	4.2E-04	8.45E-02	8.45E-02			1.1E-02		1.1E-03	5.30E-04	1.07E-01	3.19E-02			4.15E-03		0.107
Selenium	2.4E-05	2.1E-03	6.63E-04	6.63E-04			negl		1.2E-05	2.65E-03	8.61E-04	2.58E-04			negl		2.6E-03
1,1,1-Trichloroethane			2.36E-04	2.36E-04							2.98E-04	8.91E-05					3.0E-04
1,3-Butadiene								5.47E-03								0.00E+00	0.0E+00
Acetaldehyde								1.07E-01								0.00E+00	0.0E+00
Acrolein								1.30E-02								0.00E+00	0.0E+00
Benzene	2.1E-03		2.14E-04	2.14E-04				1.31E-01	1.1E-03		2.70E-04	8.08E-05				0.00E+00	1.1E-03
Bis(2-ethylhexyl)phthalate							2.2E-03								8.31E-04		8.3E-04
Dichlorobenzene	1.2E-03						8.0E-07		6.0E-04						3.02E-07		6.0E-04
Ethylbenzene			6.36E-05	6.36E-05							8.02E-05	2.40E-05					8.0E-05
Formaldehyde	7.5E-02	6.10E-02	3.30E-02	3.30E-02				1.65E-01	3.8E-02	7.69E-02	4.16E-02	1.25E-02				0.00E+00	0.077
Hexane	1.8E+00								0.90								0.90
Phenol							2.4E-03								9.06E-04		9.1E-04
Toluene	3.4E-03		6.20E-03	6.20E-03				5.73E-02	1.7E-03		7.82E-03	2.34E-03				0.00E+00	7.8E-03
Total PAH Haps	negl		1.13E-03	1.13E-03			3.9E-02	2.35E-02	negl		1.42E-03	4.27E-04			1.48E-02	0.00E+00	1.5E-02
Polycyclic Organic Matter		3.30E-03								4.16E-03							4.2E-03
Xylene			1.09E-04	1.09E-04				3.99E-02			1.37E-04	4.11E-05				0.00E+00	1.4E-04
								Total HAPs	0.95	0.09	0.18	0.05	0	0	5.29	0.00	6.41

Methodology

Natural Gas: Limited Potential to Emit (tons/yr) = (Natural Gas Limitation (MMCF/yr)) * (Emission Factor (lb/MMCF)) * (ton/2000 lbs)
All Other Fuels: Limited Potential to Emit (tons/yr) = (Fuel Limitation (gals/yr)) * (Emission Factor (lb/kgal)) * (kgal/1000 gal) * (ton/2000 lbs)
Sources of AP-42 Emission Factors for fuel combustion:

Natural Gas : AP-42 Chapter 1.4 (dated 7/98), Tables 1.4-1, 1.4-2, 1.4-3, and 1.4-4
No. 2, No.4, and No.6 Fuel Oil: AP-42 Chapter 1.3 (dated 9/98), Tables 1.3-1, 1.3-2, 1.3-3, 1.3-8, 1.3-9, 1.3-10, and 1.3-11
Propane and Butane: AP-42 Chapter 1.5 (dated 7/08), Tables 1.5-1 (assuming PM = PM10)
Waste Oil: AP-42 Chapter 1.11 (dated 10/96), Tables 1.11-1, 1.11-2, 1.11-3, 1.11-4, and 1.11-5
Diesel Engine Oil: AP-42 Chapter 3.3 (dated 10/96), Tables 3.3-1 and 3.3-2

*Since there are no specific AP-42 HAP emission factors for combustion of No. 4 fuel oil, it was assumed that HAP emissions from combustion of No. 4 fuel oil were equal to combustion of residual or No. 6 fuel oil.

Abbreviations

PM = Particulate Matter
PM10 = Particulate Matter (<10 um)
SO2 = Sulfur Dioxide
NOx = Nitrous Oxides
VOC - Volatile Organic Compounds
CO = Carbon Monoxide
HAP = Hazardous Air Pollutant
HCl = Hydrogen Chloride
PAH = Polyaromatic Hydrocarbon

Appendix A.2: Limited Emissions Summary
Dryer/Mixer

Company Name: Sellersburg Stone Company, Inc.
Source Address: 1019 East Utica Street, Sellersburg, IN 47172
Significant Revision Permit No.: 019-29972-00126
Reviewer: Swarna Prabha

The following calculations determine the limited emissions from the aggregate drying/mixing

Maximum Hourly Asphalt Production =	600	ton/hr
Annual Asphalt Production Limitation =	979,692	ton/yr
PM Dryer/Mixer Limitation =	0.158	lb/ton of asphalt production
PM10 Dryer/Mixer Limitation =	0.020	lb/ton of asphalt production
PM2.5 Dryer/Mixer Limitation =	0.020	lb/ton of asphalt production
CO Dryer/Mixer Limitation =	0.130	lb/ton of asphalt production
VOC Dryer/Mixer Limitation =	0.032	lb/ton of asphalt production

	Emission Factor or Limitation (lb/ton) Drum-Mix Plant (dryer/mixer, controlled by fabric filter)			Limited/Controlled Potential to Emit (tons/yr) Drum-Mix Plant (dryer/mixer, controlled by fabric filter)			
Criteria Pollutant	Natural Gas	No. 2 Fuel Oil	Waste Oil	Natural Gas	No. 2 Fuel Oil	Waste Oil	Worse Case PTE
PM*	0.158	0.158	0.158	77.4	77.4	77.4	77.4
PM10*	0.020	0.020	0.020	9.8	9.8	9.8	9.8
PM2.5*	0.020	0.020	0.020	9.8	9.8	9.8	9.8
SO2**	0.003	0.011	0.058	1.7	5.4	28.4	28.4
NOx**	0.026	0.055	0.055	12.7	26.9	26.9	26.9
VOC**	0.032	0.032	0.032	15.7	15.7	15.7	15.7
CO***	0.130	0.130	0.130	63.7	63.7	63.7	63.7
Hazardous Air Pollutant							
HCl			2.10E-04			0.10	0.10
Antimony	1.80E-07	1.80E-07	1.80E-07	8.82E-05	8.82E-05	8.82E-05	8.82E-05
Arsenic	5.60E-07	5.60E-07	5.60E-07	2.74E-04	2.74E-04	2.74E-04	2.74E-04
Beryllium	negl	negl	negl	negl	negl	negl	0.00E+00
Cadmium	4.10E-07	4.10E-07	4.10E-07	2.01E-04	2.01E-04	2.01E-04	2.01E-04
Chromium	5.50E-06	5.50E-06	5.50E-06	2.69E-03	2.69E-03	2.69E-03	2.69E-03
Cobalt	2.60E-08	2.60E-08	2.60E-08	1.27E-05	1.27E-05	1.27E-05	1.27E-05
Lead	6.20E-07	1.50E-05	1.50E-05	3.04E-04	7.35E-03	7.35E-03	7.35E-03
Manganese	7.70E-06	7.70E-06	7.70E-06	3.77E-03	3.77E-03	3.77E-03	3.77E-03
Mercury	2.40E-07	2.60E-06	2.60E-06	1.18E-04	1.27E-03	1.27E-03	1.27E-03
Nickel	6.30E-05	6.30E-05	6.30E-05	3.09E-02	3.09E-02	3.09E-02	3.09E-02
Selenium	3.50E-07	3.50E-07	3.50E-07	1.71E-04	1.71E-04	1.71E-04	1.71E-04
2,2,4 Trimethylpentane	4.00E-05	4.00E-05	4.00E-05	1.96E-02	1.96E-02	1.96E-02	1.96E-02
Acetaldehyde			1.30E-03			0.64	0.64
Acrolein			2.60E-05			1.27E-02	1.27E-02
Benzene	3.90E-04	3.90E-04	3.90E-04	0.19	0.19	0.19	0.19
Ethylbenzene	2.40E-04	2.40E-04	2.40E-04	0.12	0.12	0.12	0.12
Formaldehyde	3.10E-03	3.10E-03	3.10E-03	1.52	1.52	1.52	1.52
Hexane	9.20E-04	9.20E-04	9.20E-04	0.45	0.45	0.45	0.45
Methyl chloroform	4.80E-05	4.80E-05	4.80E-05	0.02	0.02	0.02	0.02
MEK			2.00E-05			0.01	0.01
Propionaldehyde			1.30E-04			0.06	0.06
Quinone			1.60E-04			0.08	0.08
Toluene	1.50E-04	2.90E-03	2.90E-03	0.07	1.42	1.42	1.42
Total PAH Haps	1.90E-04	8.80E-04	8.80E-04	0.09	0.43	0.43	0.43
Xylene	2.00E-04	2.00E-04	2.00E-04	0.10	0.10	0.10	0.10
						Total HAPs	5.22
						Worst Single HAP	1.52 (formaldehyde)

Methodology
Limited/Controlled Potential to Emit (tons/yr) = (Annual Asphalt Production Limitation (tons/yr)) * (Emission Factor (lb/ton)) * (ton/2000 lbs)
Emission Factors from AP-42 Chapter 11.1 (dated 3/04), Tables 11.1-3, 11.1-4, 11.1-7, 11.1-8, 11.1-10, and 11.1-12
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.

* PM, PM10, and PM2.5 AP-42 emission factors based on drum mix dryer fired with natural gas, propane, fuel oil, and waste oil. According to AP-42 fuel type does not significantly effect PM, PM10, and PM2.5 emissions.
** SO2, NOx, and VOC AP-42 emission factors are for natural gas, No. 2 fuel oil, and waste oil only.
*** CO AP-42 emission factor determined by combining data from drum mix dryer fired with natural gas, No. 6 fuel oil, and No. 2 fuel oil to develop single CO emission factor.

Abbreviations
VOC - Volatile Organic Compounds
HCl = Hydrogen Chloride
SO2 = Sulfur Dioxide
HAP = Hazardous Air Pollutant
PAH = Polyaromatic Hydrocarbon

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Steve Walker
Sellersburg Stone Co
PO Box D
Sellersburg, IN 47172

DATE: April 1, 2011

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

SUBJECT: Final Decision
FESOP
019-29972-00126

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:
Kenneth Rush, Responsible Official
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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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April 1, 2011

TO: Sellersburg Public Library

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

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: Sellersburg Stone Co
Permit Number: 019-29972-00126

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	DPABST 4/1/2011 Sellersburg Stone Co Inc (Asphalt) 019-29972-00126 (Final)			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	Type of Mail: **CERTIFICATE OF MAILING ONLY**	

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2		Kenneth B Rush VP Sellersburg Stone Co Inc (Asphalt) PO Box D Sellersburg IN 47172 *(RO CAATS)*									
3		Ms. Rhonda England 17213 Persimmon Run Rd Borden IN 47106-8604 *(Affected Party)*									
4		Ms. Betty Hislip 602 Dartmouth Drive, Apt 8 Clarksville IN 47129 *(Affected Party)*									
5		Mrs. Sandy Banet 514 Haddox Rd Henryville IN 47126 *(Affected Party)*									
6		Mr. Robert Bottom Paddlewheel Alliance P.O. Box 35531 Louisville KY 40232-5531 *(Affected Party)*									
7		Sellersburg Public Library 430 N Indiana Ave Sellersburg IN 47172 *(Library)*									
8		Clark County Board of Commissioners 501 E. Court Avenue Jeffersonville IN 47130 *(Local Official)*									
9		Clark County Health Department 1320 Duncan Avenue Jeffersonville IN 47130-3723 *(Health Department)*									
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