INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: February 29, 2008

RE: Building Materials Manufacturing / 091-26108-00051

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

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-AM.dot12/3/07

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Don Bulyar
Building Materials Manufacturing Corp.
505 N Roeske Avenue
Michigan City, Indiana 46360

February 29, 2008

Re: 091-26108-00051
First Administrative Amendment to
F091-18358-00051

Dear Mr. Bulyar:

Building Materials Manufacturing Corp. was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F091-18358-00051 on January 8, 2007 for a stationary roof shingle manufacturing facility located at 505 N. Roeske Ave., Michigan City, Indiana. On February 18, 2008, the Office of Air Quality (OAQ) received an application from the source requesting that the FESOP Renewal permit term be extended to ten (10) years. On December 16, 2007, rule revisions to 326 IAC 2-1.1-9.5 and 326 IAC 2-8-4 were finalized allowing for ten (10) year permit terms on FESOP renewals. IDEM has determined that this change to the permit will be processed as an administrative amendment pursuant to 326 IAC 2-8-10. Also, IDEM, OAQ has decided to update the IDEM addresses and remove the name of the authorized individual. Pursuant to the provisions of 326 IAC 2-8-10, the permit is hereby administratively amended as follows with the deleted language as ~~strikeouts~~ and new language **bolded**.

(a) The expiration date on the cover page has been extended by five (5) years as follows:

Issuance Date: January 8, 2007
Expiration Date: ~~January 8, 2012~~ **January 8, 2017**

(b) Condition B.2 has been revised to reflect the ten (10) year permit term.

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, F 091-18358-00051, is issued for a fixed term of ~~five (5)~~ **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.

(c) All occurrences of IDEM mailing addresses have been revised to include a mail code (MC) as follows:

Asbestos Section:	**MC 61-52 IGCN 1003**
Compliance Branch:	**MC 61-53 IGCN 1003**
Permits Branch:	**MC 61-53 IGCN 1003**

(d) IDEM has begun implementing a new procedure and will no longer list the name or title of the Authorized Individual (A.I.) in the permit document. Section A.1 is updated as follows:

~~Authorized Individual: Plant Manager~~

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 Patty Pear, of my staff, at 317-232-8469 or 1-800-451-6027, and ask for extension 2-8469.

Original signed by,

Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

Attachments: Updated Permit

IC/PP

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

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

Building Materials Manufacturing Corporation
505 North Roeske Avenue
Michigan City, Indiana 46360

(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.

Indiana statutes from IC 13 and rule 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.

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

Operation Permit No.: F 091-18358-00051	
Original signed by: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: January 8, 2007 Expiration Date: January 8, 2017

First Administrative Amendment No. 091-26108-00051	Pages Affected: Entire Permit
Original signed by: Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: February 29, 2008 Expiration Date: January 8, 2017

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in Conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

The Permittee owns and operates a stationary roof shingle manufacturing source.

Source Address:	505 North Roeske Avenue, Michigan City, Indiana 46360
Mailing Address:	505 North Roeske Avenue, Michigan City, Indiana 46360
General Source Phone Number:	219-872-1111
SIC Code:	2952
County Location:	LaPorte
Source Location Status:	Nonattainment for ozone under the 8-hour 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

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:

Asphalt Receiving

(a) Two (2) asphalt receiving tanks, identified as Tank 1 (FST-1 / TK-1110A) and Tank 2 (FST-2 / TK-1110B), each installed in 1999, each venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 240,000 gallons of asphalt, each. (Under NSPS 40 CFR 60 Subpart UU, these facilities are part of an affected asphalt processing and asphalt roof manufacturing source.)

(b) One (1) asphalt receiving/blend storage tank, identified as Tank 3 (TK-1120), installed in 2003, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 100,000 gallons of blended asphalt. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(c) One (1) natural gas-fired blending asphalt heater, identified as HT-1041, installed in 2001, exhausting to Stack S-3, heat input capacity: 3.00 million British thermal units per hour.

Blowstill Operations

(d) One (1) flux asphalt heating operation, identified as FAH-1 / HT-1250, installed in 2001, using waste heat from thermal oxidizer (TO-1 / TO-1200) in combination with a natural gas-fired burner rated at 7.50 million British thermal units per hour, exhausting to heater HT 1350 or to Stack S-4 depending on heat balance, capacity: 18,000 gallons of asphalt per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(e) One (1) heated asphalt flux storage tank, identified as TK-1010, installed in 1999, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 80,000 gallons. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof

manufacturing source.)

(f) Two (2) asphalt blow stills (asphalt conditioners), identified as West BS-1 / HT-1020A and East BS-2 / HT-1020B, each installed in 1999, each exhausting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 30,000 pounds of asphalt per hour, each.

(g) One (1) knock out storage tank, identified as TK-1210, installed in 2002, using water as a conditioning liquid, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 47,000 gallons of water/conditioner. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

Coating Operations

(h) Two (2) coating asphalt storage tanks, identified as West CST 1/TK-1030A, and East CST 2/TK 1030B, each installed in 1999, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity 38,000 gallons of coating asphalt.

(i) One (1) natural gas-fired coating asphalt heater (Borne Heater), identified as HT-1040, installed in 1999, exhausting to Stack S-2, heat input capacity: 7.50 million British thermal units per hour.

(j) One (1) natural gas-fired hot oil heater (Fulton Heater), identified as HT-9020, installed in 1999, exhausting to Stack S-7, heat input capacity: 6.00 million British thermal units per hour.

(k) Asphalt and filler mix storage tank (Surge Tank), identified as TK-2100, installed in 1999, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 4,600 gallons of asphalt and filler mix. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(l) One (1) shingle machine, identified as SM-1 / RL1-01, installed in 1999, (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.) consisting of the following:

(1) One (1) coating dip tank, containing asphalt and limestone filler, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 25 tons of asphalt per hour; and

(2) One (1) aggregate (limestone, sand, granules, etc.) and adhesives application, equipped with a baghouse (BHA Collector) for particulate control, identified as Dust Collector V-10 / DC-9210, exhausting to Stack V-14, capacity: 50.0 tons of aggregate per hour.

(m) One (1) polymer storage tank TK 2410, with a volume of 10,000 gallons venting inside the building. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(n) One (1) rycolube storage tank TK 2500, with a volume of 10,000 gallons venting inside the building. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

Heat Load Servicing Operation

(o) One (1) natural gas-fired hot oil heater, identified as BO-1 / HT-1300, installed in 1999, utilizing exhaust gas from thermal oxidizer (TO-1 / TO-1200) as primary form of energy, heat input capacity: 10.5 million British thermal units per hour.

(p) One (1) hot oil heater, identified as BO-3 / HT-1325, installed in 1999, supplies hot oil to tracing steam generators and/or filler heater.

(q) One (1) natural gas-fired tracing steam generator (Caine waste heat boiler), identified as BO-2 / HT-1350, installed in 1999, exhausting to Stack S-5, heat input capacity: 10.5 million British thermal units per hour. (Under NSPS 40 CFR 60 Subpart Dc, this facility is a small industrial - commercial - institutional steam generating unit.)

(r) One (1) natural gas-fired tracing steam generator (Williams/Davis boiler), identified as HO-2 / HT-1355, installed in 1999, exhausting to Stack S-9, capacity: 12.6 million British thermal units per hour. (Under NSPS 40 CFR 60 Subpart Dc, this facility is a small industrial - commercial - institutional steam generating unit.)

Thermal Oxidizer

(s) One (1) natural gas-fired thermal oxidizer, identified as TO-1 / TO-1200, installed in 1999, equipped with low NO_X burners, exhausting to Stack S-1, heat input capacity: 30.0 million British thermal units per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

Raw Material Storage and Handling System

(t) Six (6) storage silos, identified as LFS-1 through LFS-6 / SS-8910, SS-8920, SS-8930, SS-8940, SS-8950, SS-8960, each installed in 1999, equipped with six (6) bin vent filters, identified as V-1 / DC-8910 through V-6 / DC-8960, for particulate control, venting to Stacks V-1 through V-6, capacity: 300 tons of limestone filler each with a throughput of 40,000 pounds per of limestone per hour each.

(u) One (1) limestone (cold filler bin) supply hopper, identified as CFH-1 / Tank TK-2000, installed in 1999, equipped with a bin vent filter, identified as V-7 / DC-2000, for particulate control, venting inside the building, capacity: 50 tons of limestone cold filler at a throughput of 160,000 pounds of limestone cold filler per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(v) One (1) limestone (filler heater) fluid bed heater, identified as HT-2010, installed in 1999, equipped with a bin vent filter, identified as V-15 / DC-2095, for particulate control, venting inside the building, capacity: 70 tons of limestone cold filler with a throughput of 116,000 pounds of hot filler per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(w) One (1) limestone (hot filler bin) supply hopper, identified as TK-2060, installed in 1999, equipped with a bin vent filter, identified as V-14 / DC-2060, for particulate control, venting inside the building, capacity: 70 tons of limestone cold filler with a throughput of 116,000 pounds of hot filler per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(x) Two (2) storage silos, identified as SS-1 and SS-2 / SS-8210 and SS-8220, each installed in 1999, equipped with two (2) bin vent filters, identified as V-8 / DC-8210 and V-9 / DC-8220, for particulate control, venting inside the building, capacity: 125 tons of sand each with a throughput of 40,000 pounds of sand per hour each. (Under NSPS 40 CFR 60 Subpart UU, these facilities are part of an affected asphalt processing and asphalt roof manufacturing source.)

(y) One (1) sand receiving bin, identified as TK-8645, installed in 1999, equipped with a bin vent

filter, identified as V-11 / DC-8645, for particulate control, exhausting inside the building, capacity: 50 tons of sand with a throughput of 40,000 pounds of sand per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

Laminate Adhesive System

(z) One (1) coating storage tank, identified as TK-2420, installed in 2000, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 14,500 gallons. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(aa) One (1) laminate adhesive mix tank, identified as TK-2430, installed in 2000, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 3,500 gallons. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(bb) One (1) laminate adhesive run tank, identified as TK-2470, installed in 2000, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 1,400 gallons. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(cc) One (1) coating storage tank, identified as TK-2310, installed in 2000, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 10,000 gallons. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(dd) One (1) mix storage tank, identified as TK-2320, installed in 2000, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 3,500 gallons. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(ee) One (1) limestone filler transfer process, installed in 2000, equipped with a two (2) bin vent filters, identified as V-12 / DC-2435 and V-13 / DC-2330, for particulate control, venting inside the building, capacity: 160,000 pounds of limestone filler per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(ff) One (1) self seal tank, identified as TK 40, installed in 2000, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 3,500 gallons. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(gg) One (1) self-seal dip application process venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 750 pounds of self seal per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(hh) One (1) laminate adhesive dip application venting to thermal oxidizer (TO-1 / TO-1200) for VOC control capacity: 2,850 pounds of laminate adhesive per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

Granules

(ii) Twenty (20) storage silos, identified as SS-8010 through SS-8200, installed in 1999, capacity:

200 tons of granules each with a throughput of 80,000 pounds of granules per hour total. (Under NSPS 40 CFR 60 Subpart UU, these facilities are part of an affected asphalt processing and asphalt roof manufacturing source.)

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

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

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, consisting of the following:

(1) One (1) natural gas-fired space heater, identified as HT-9240, installed in 1945, exhausting to Stack S-10, heat input capacity: 4.60 million British thermal units per hour.

(2) One (1) natural gas-fired space heater, identified as HT-9230, installed in 1945, exhausting to Stack S-11, heat input capacity: 4.30 million British thermal units per hour.

(3) One (1) natural gas-fired space heater, identified as HT-9220, installed in 1945, exhausting to Stack S-12, heat input capacity: 3.10 million British thermal units per hour.

(b) Combustion source flame safety purging on startup.

(c) Application of oils, greases lubricants or other nonvolatile materials applied as temporary protective coatings.

(d) Closed loop heating and cooling systems.

(e) Replacement or repair of bags in baghouses and filters in other air filtration equipment.

(f) Heat exchanger cleaning and repair.

(g) Covered conveyors for limestone conveying of less than or equal to 7,200 tons per day for sources other than mineral processing plants constructed after August 31, 1983.

(h) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.

(i) Purge double block and bleed valves.

(j) Filter or coalescer media changeout.

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

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

SECTION B GENERAL CONDITIONS

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

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

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

(a) This permit, F 091-18358-00051, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

B.8 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.9 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

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

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.10 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

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

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

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

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

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

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

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

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

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

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

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

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ . IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

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

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

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

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

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

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

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

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

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

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

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

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

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

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.

(g) Operations may continue during an emergency only if the following conditions are met:

(1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

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

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

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

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

(a) All terms and conditions of permits established prior to F 091-18358-00051 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised, or

(3) deleted.

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

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

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

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

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

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

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

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

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

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

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

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

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

(1) That this permit contains a material mistake.

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

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

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

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

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

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

Request for renewal shall be submitted to:

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

(b) A timely renewal application is one that is:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(4) The Permittee notifies the:

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

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b)

through (d). The Permittee shall make such records available, upon reasonable request, for public review.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(b) Any application requesting a change in the ownership or operational control of the source

shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

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

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

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

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

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

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

(a) Pursuant to 326 IAC 2-8:

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

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

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

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

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

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

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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

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

C.7 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
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

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

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

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

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

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

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

C.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.13 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.14 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 June 5, 2005.

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

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

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

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

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

(1) initial inspection and evaluation

(2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

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

(1) monitoring results;

(2) review of operation and maintenance procedures and records;

(3) inspection of the control device, associated capture system, and the process.

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

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

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

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

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

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

The response action documents submitted pursuant to this condition do require the certification by 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.18 General Record Keeping Requirements[326 IAC 2-8-4(3)] [326 IAC 2-8-5]

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

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

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

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

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

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

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is

due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

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

(e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

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

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

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

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

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

SECTION D.1 FACILITY OPERATION CONDITIONS

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

Asphalt Receiving

(a) Two (2) asphalt receiving tanks, identified as Tank 1 (FST-1 / TK-1110A) and Tank 2 (FST-2 / TK-1110B), each installed in 1999, each venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 240,000 gallons of asphalt, each. (Under NSPS 40 CFR 60 Subpart UU, these facilities are part of an affected asphalt processing and asphalt roof manufacturing source.)

(b) One (1) asphalt receiving/blend storage tank, identified as Tank 3 (TK-1120), installed in 2003, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 100,000 gallons of blended asphalt. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

Blowstill Operations

(d) One (1) flux asphalt heating operation, identified as FAH-1 / HT-1250, installed in 2001, using waste heat from thermal oxidizer (TO-1 / TO-1200) in combination with a natural gas-fired burner rated at 7.50 million British thermal units per hour, exhausting to heater HT 1350 or to Stack S-4 depending on heat balance, capacity: 18,000 gallons of asphalt per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(e) One (1) heated asphalt flux storage tank, identified as TK-1010, installed in 1999, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 80,000 gallons. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(f) Two (2) asphalt blow stills (asphalt conditioners), identified as West BS-1 / HT-1020A and East BS-2 / HT-1020B, each installed in 1999, each exhausting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 30,000 pounds of asphalt per hour, each. (Under NSPS 40 CFR 60 Subpart UU, these facilities are part of an affected asphalt processing and asphalt roof manufacturing source.)

(g) One (1) knock out storage tank, identified as TK-1210, installed in 2002, using water as a conditioning liquid, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 47,000 gallons of water/conditioner. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

Coating Operations

(h) Two (2) coating asphalt storage tanks, identified as West CST 1/TK-1030A, and East CST 2/TK 1030B, each installed in 1999, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity 38,000 gallons of coating asphalt. (Under NSPS 40 CFR 60 Subpart UU, these facilities are part of an affected asphalt processing and asphalt roof manufacturing source.)

(k) Asphalt and filler mix storage tank (Surge Tank), identified as TK-2100, installed in 1999, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 4,600 gallons of asphalt and filler mix. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(l) One (1) shingle machine, identified as SM-1 / RL1-01, installed in 1999, (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.) consisting of the following:

(1) One (1) coating dip tank, containing asphalt and limestone filler, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 25 tons of asphalt per hour; and

(2) One (1) aggregate (limestone, sand, granules, etc.) and adhesives application, equipped with a baghouse (BHA Collector) for particulate control, identified as Dust Collector V-10 / DC-9210, exhausting to Stack V-14, capacity: 50.0 tons of aggregate per hour.

Facility Description [326 IAC 2-8-4(10)]: Shingle Manufacturing Processes (continued)

Coating Operations

(m) One (1) polymer storage tank TK 2410, with a volume of 10,000 gallons venting inside the building. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(n) One (1) rycolube storage tank TK 2500, with a volume of 10,000 gallons venting inside the building. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

Thermal Oxidizer

(s) One (1) natural gas-fired thermal oxidizer, identified as TO-1 / TO-1200, installed in 1999, equipped with low NO_X burners, exhausting to Stack S-1, heat input capacity: 30.0 million British thermal units per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

Raw Material Storage and Handling System

(t) Six (6) storage silos, identified as LFS-1 through LFS-6 / SS-8910, SS-8920, SS-8930, SS-8940, SS-8950, SS-8960, each installed in 1999, equipped with six (6) bin vent filters, identified as V-1 / DC-8910 through V-6 / DC-8960, for particulate control, venting to Stacks V-1 through V-6, capacity: 300 tons of limestone filler each with a throughput of 40,000 pounds per of limestone per hour each. (Under NSPS 40 CFR 60 Subpart UU, these facilities are part of an affected asphalt processing and asphalt roof manufacturing source.)

(u) One (1) limestone (cold filler bin) supply hopper, identified as CFH-1 / Tank TK-2000, installed in 1999, equipped with a bin vent filter, identified as V-7 / DC-2000, for particulate control, venting inside the building, capacity: 50 tons of limestone cold filler at a throughput of 160,000 pounds of limestone cold filler per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(v) One (1) limestone (filler heater) fluid bed heater, identified as HT-2010, installed in 1999, equipped with a bin vent filter, identified as V-15 / DC-2095, for particulate control, venting inside the building, capacity: 70 tons of limestone cold filler with a throughput of 116,000 pounds of hot filler per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(w) One (1) limestone (hot filler bin) supply hopper, identified as TK-2060, installed in 1999, equipped with a bin vent filter, identified as V-14 / DC-2060, for particulate control, venting inside the building, capacity: 70 tons of limestone cold filler with a throughput of 116,000 pounds of hot filler per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(x) Two (2) storage silos, identified as SS-1 and SS-2 / SS-8210 and SS-8220, each installed in 1999, equipped with two (2) bin vent filters, identified as V-8 / DC-8210 and V-9 / DC-8220, for particulate control, venting inside the building, capacity: 125 tons of sand each with a throughput of 40,000 pounds of sand per hour each. (Under NSPS 40 CFR 60 Subpart UU, these facilities are part of an affected asphalt processing and asphalt roof manufacturing source.)

(y) One (1) sand receiving bin, identified as TK-8645, installed in 1999, equipped with a bin vent filter, identified as V-11 / DC-8645, for particulate control, exhausting inside the building, capacity: 50 tons of sand with a throughput of 40,000 pounds of sand per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

Laminate Adhesive System

(z) One (1) coating storage tank, identified as TK-2420, installed in 2000, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 14,500 gallons. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

Facility Description [326 IAC 2-8-4(10)]: Shingle Manufacturing Processes (continued)

(aa) One (1) laminate adhesive mix tank, identified as TK-2430, installed in 2000, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 3,500 gallons. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

Facility Description [326 IAC 2-8-4(10)]: Shingle Manufacturing Processes (continued)

Raw Material Storage and Handling System

(bb) One (1) laminate adhesive run tank, identified as TK-2470, installed in 2000, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 1,400 gallons. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(cc) One (1) coating storage tank, identified as TK-2310, installed in 2000, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 10,000 gallons. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(dd) One (1) mix storage tank, identified as TK-2320, installed in 2000, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 3,500 gallons. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(ee) One (1) limestone filler transfer process, installed in 2000, equipped with a two (2) bin vent filters, identified as V-12 / DC-2435 and V-13 / DC-2330, for particulate control, venting inside the building, capacity: 160,000 pounds of limestone filler per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(ff) One (1) self seal tank, identified as TK 40, installed in 2000, venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 3,500 gallons. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(gg) One (1) self-seal dip application process venting to thermal oxidizer (TO-1 / TO-1200) for VOC control, capacity: 750 pounds of self seal per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

(hh) One (1) laminate adhesive dip application venting to thermal oxidizer (TO-1 / TO-1200) for VOC control capacity: 2,850 pounds of laminate adhesive per hour. (Under NSPS 40 CFR 60 Subpart UU, this facility is part of an affected asphalt processing and asphalt roof manufacturing source.)

Granules

(ii) Twenty (20) Storage silos, identified as SS-8010 through SS-8200, installed in 1999, capacity: 200 tons of granules each with a throughput of 80,000 pounds of granules per hour total. (Under NSPS 40 CFR 60 Subpart UU, these facilities are part of an affected asphalt processing and asphalt roof manufacturing source.)

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

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

D.1.1 Best Available Control Technology [326 IAC 8-1-6]

Pursuant to F 091-10904-00051 issued on October 6, 1999 and 326 IAC 8-1-6 (New facilities: General reduction Requirements), BACT has been determined to be the following:

(a) The utilization of a thermal oxidizer.

(b) The total volatile organic compound (VOC) emissions from all facilities venting to thermal oxidizer TO-1 / TO-1200 shall not exceed 98.9 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(c) Compliance with paragraph (b) of this condition shall be determined as follows:

VOC emissions (tons per twelve (12) consecutive month period) = Total input of VOC to all facilities vented to TO-1 / TO-1200 * (1 - overall control efficiency % of TO-1 / TO-1200)

D.1.2 Volatile Organic Compounds (VOC) Limitation [326 IAC 2-8-4] [326 IAC 2-3]

(a) When operating, the thermal oxidizer shall have an overall VOC control efficiency of ninety-one and six-tenths percent (91.6%) or greater.

(b) The total volatile organic compound (VOC) emissions from all facilities venting to thermal oxidizer TO-1 / TO-1200 shall not exceed 98.6 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(c) Compliance with paragraph (b) of this condition shall be determined as follows:

VOC emissions (tons per twelve (12) consecutive month period) = Total input of VOC to all facilities vented to TO-1 / TO-1200 * (1 - overall control efficiency % of TO-1 / TO-1200)

(d) Compliance with the limitation in (b) in combination with the natural gas usage limitation in Condition D.2.1 shall ensure that VOC emissions from the entire source do not exceed one hundred (100) tons per year and shall render the requirements of 326 IAC 2-7 (Part 70 Permit) and 326 IAC 2-3 (Emission Offset) not applicable.

D.1.3 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the limestone silos, the limestone (cold filler) supply hopper, the sand silos, the limestone transfer process, limestone (filler heater) fluid bed heater, and aggregate and adhesives application, shall not exceed the pounds per hour limits specified in the table below when operating at the specified process weight rates in pounds or tons per hour:

Emission Unit(s)	Process Weight Rate (tons/hr)	Allowable Particulate Emission Rate (lbs/hr)
Limestone Silos LFS-1 through LFS-6	20.0, each	30.5, each
Limestone (cold filler bin) supply hopper	80.0	49.1
Sand Silos SS-1 and SS-2	20.0, each	30.5, each
Limestone Filler Transfer process	80.0	49.1
Limestone (filler heater) fluid bed heater	58.0	46.0
Aggregate and Adhesives Application (Shingle Machine)	50.0	44.6

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

$E = 4.10 P^{0.67}$ where E = rate of emission in pounds per hour and P = process weight rate in tons per hour

or

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

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

D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for all of the facilities vented to the thermal oxidizer (TO-1 / TO-1200) and the thermal oxidizer (TO-1 / TO-1200).

Compliance Determination Requirements

D.1.5 Volatile Organic Compounds (VOCs)

In order to comply with Conditions D.1.1(b) and D.1.2, the thermal oxidizer (TO-1 / TO-1200) shall control the VOC emissions from each facility in Section D.1 that has an exhaust vented to the thermal oxidizer (TO-1 / TO-1200) and shall be in operation at all times when any one (1) of those facilities is in operation.

D.1.6 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

On or before July 29, 2009, in order to demonstrate compliance with Conditions D.1.1 and D.1.2, the Permittee shall conduct a performance test on the thermal oxidizer exhaust to verify VOC control efficiency utilizing methods as approved by the Commissioner. The VOC control efficiency test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.7 Thermal Oxidizer Temperature

(a) A continuous monitoring system shall be calibrated, maintained, and operated on the thermal oxidizer for measuring operating temperature in the combustion zone. The output of this system shall be recorded as a three-hour average. From the date of issuance of this permit until the approved stack test results are available, the Permittee shall operate the thermal oxidizer at or above the three-hour average temperature of 1,200°F.

(b) The Permittee shall determine the three- (3-) hourly average temperature from the most recent valid stack test that demonstrates compliance with Conditions D.1.1 and D.1.2, as approved by IDEM.

(c) On and after the date the approved stack test results are available, the Permittee shall operate the thermal oxidizer at or above the three- (3-) hourly average temperature as observed during the compliant stack test.

D.1.8 Parametric Monitoring

(a) The Permittee shall determine fan amperage or duct pressure from the most recent valid stack test that demonstrates compliance with Conditions D.1.1 and D.1.2, as approved by IDEM.

(b) The duct pressure or fan amperage shall be observed at least once per day when the thermal oxidizer is in operation. When for any one reading, the duct pressure or fan amperage is outside the normal range as established in most recent compliant stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A reading that is outside the range as established in the most recent

compliant stack test 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.

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

D.1.9 Visible Emissions Notations

(a) Visible emission notations of the thermal oxidizer, bin vent filter, and dust collector stack exhausts (Stacks S-1, V-1 through V-9, V-14 and V-15, and exhausts with general ventilation) shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

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

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

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

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

D.1.10 Record Keeping Requirements

(a) To document compliance with Conditions D.1.1(b) and D.1.2(b), the Permittee shall maintain monthly records of the total VOC input to all of the facilities vented to the thermal oxidizer (TO-1 / TO-1200).

(b) To document compliance with Condition D.1.7, the Permittee shall maintain continuous temperature records (on a 3-hour average basis) for the thermal oxidizer and the 3-hour average temperature used to demonstrate compliance during the most recent compliant stack test.

(c) To document compliance with Condition D.1.8, the Permittee shall maintain daily records of the duct pressure or fan amperage.

(d) To document compliance with Condition D.1.9, the Permittee shall maintain records of visible emission notations of the thermal oxidizer, bin vent filter, and dust collector stack exhausts (Stacks S-1, V-1 through V-9, V-14 and V-15, and exhausts with general ventilation) once per day when exhausting to the atmosphere.

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

D.1.11 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.1(b) and D.1.2(b) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days

after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

D.1.12 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart A]

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

D.1.13 NSPS UU Requirements [40 CFR Part 60, Subpart UU]

Pursuant to 40 CFR Part 60, Subpart UU, the Permittee shall comply with the provisions of 40 CFR Part 60.470 for the asphalt coating operating, raw material storage and handling operation, blowing stills and asphalt storage facilities at a asphalt roofing plant, as specified as follows:

§ 60.470 Applicability and designation of affected facilities.

(a) The affected facilities to which this subpart applies are each saturator and each mineral handling and storage facility at asphalt roofing plants; and each asphalt storage tank and each blowing still at asphalt processing plants, petroleum refineries, and asphalt roofing plants.

(b) Any saturator or mineral handling and storage facility under paragraph (a) of this section that commences construction or modification after November 18, 1980, is subject to the requirements of this subpart. Any asphalt storage tank or blowing still that processes and/or stores asphalt used for roofing only or for roofing and other purposes, and that commences construction or modification after November 18, 1980, is subject to the requirements of this subpart.

Any asphalt storage tank or blowing still that processes and/or stores only nonroofing asphalts and that commences construction or modification after May 26, 1981, is subject to the requirements of this subpart.

§ 60.471 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.

Afterburner (A/B) means an exhaust gas incinerator used to control emissions of particulate matter.

Asphalt processing means the storage and blowing of asphalt.

Asphalt processing plant means a plant which blows asphalt for use in the manufacture of asphalt products.

Asphalt roofing plant means a plant which produces asphalt roofing products (shingles, roll roofing, siding, or saturated felt).

Asphalt storage tank means any tank used to store asphalt at asphalt roofing plants, petroleum refineries, and asphalt processing plants. Storage tanks containing cutback asphalts (asphalts diluted with solvents to reduce viscosity for low temperature applications) and emulsified asphalts (asphalts dispersed in water with an emulsifying agent) are not subject to this regulation.

Blowing still means the equipment in which air is blown through asphalt flux to change the softening point and penetration rate.

Catalyst means a substance which, when added to asphalt flux in a blowing still, alters the

penetrating-softening point relationship or increases the rate of oxidation of the flux.

Coating blow means the process in which air is blown through hot asphalt flux to produce coating asphalt. The coating blow starts when the air is turned on and stops when the air is turned off.

Electrostatic precipitator (ESP) means an air pollution control device in which solid or liquid particulates in a gas stream are charged as they pass through an electric field and precipitated on a collection surface.

High velocity air filter (HVAF) means an air pollution control filtration device for the removal of sticky, oily, or liquid aerosol particulate matter from exhaust gas streams.

Mineral handling and storage facility means the areas in asphalt roofing plants in which minerals are unloaded from a carrier, the conveyor transfer points between the carrier and the storage silos, and the storage silos.

Saturator means the equipment in which asphalt is applied to felt to make asphalt roofing products. The term saturator includes the saturator, wet looper, and coater.

§ 60.472 Standards for particulate matter.

(a) On and after the date on which §60.8(b) requires a performance test to be completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any saturator:

(1) Particulate matter in excess of:

(i) 0.04 kg/Mg (0.08 lb/ton) of asphalt shingle or mineral-surfaced roll roofing produced,

(2) Exhaust gases with opacity greater than 20 percent; and

(3) Any visible emissions from a saturator capture system for more than 20 percent of any period of consecutive valid observations totaling 60 minutes. Saturators that were constructed before November 18, 1980, and that have not been reconstructed since that date and that become subject to these standards through modification are exempt from the visible emissions standard. Saturators that have been newly constructed or reconstructed since November 18, 1980 are subject to the visible emissions standard.

(b) On and after the date on which §60.8(b) requires a performance test to be completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any blowing still:

(1) Particulate matter in excess of 0.67 kg/Mg (1.3 lb/ton) of asphalt charged to the still when a catalyst is added to the still; and

(3) Particulate matter in excess of 0.60 kg/Mg (1.2 lb/ton) of asphalt charged to the still during blowing without a catalyst; and

(c) Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any asphalt storage tank exhaust gases with opacity greater than 0 percent,

except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing. The control device shall not be bypassed during this 15-minute period. If, however, the emissions from any asphalt storage tank(s) are ducted to a control device for a saturator, the combined emissions shall meet the emission limit contained in paragraph (a) of this section during the time the saturator control device is operating. At any other time the asphalt storage tank(s) must meet the opacity limit specified above for storage tanks.

(d) Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any mineral handling and storage facility emissions with opacity greater than 1 percent.

§ 60.473 Monitoring of operations.

(b) The owner or operator subject to the provisions of this subpart and using an afterburner to meet the emission limit in §60.472(a)(1) and/or (b)(1) shall continuously monitor and record the temperature in the combustion zone of the afterburner. The monitoring instrument shall have an accuracy of ±10 °C (±18 °F) over its range.

(d) The industry is exempted from the quarterly reports required under §60.7(c). The owner/operator is required to record and report the operating temperature of the control device during the performance test and, as required by §60.7(d), maintain a file of the temperature monitoring results for at least two years.

§ 60.474 Test methods and procedures.

(a) For saturators, the owner or operator shall conduct performance tests required in §60.8 as follows:

(3) If the final product is fiberglass shingle, the test shall be conducted while a nominal 100-kg (220-lb) shingle is being produced.

(b) 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).

(c) The owner or operator shall determine compliance with the particulate matter standards in §60.472 as follows:

(1) The emission rate (E) of particulate matter shall be computed for each run using the following equation:

$$E = (c_s Q_{sd})/(PK)$$

Where:
E = emission rate of particulate matter, kg/Mg (lb/ton).
c_s = concentration of particulate matter, g/dscm (gr/dscf).
Q_{sd} = volumetric flow rate of effluent gas, dscm/hr (dscf/hr).
P = asphalt roofing production rate or asphalt charging rate, Mg/hr (ton/hr).
K=conversion factor, 1000 g/kg [7000 (gr/lb)].

(2) Method 5A shall be used to determine the particulate matter concentration (cs) and volumetric flow rate (Qsd) of the effluent gas. For a saturator, the sampling time and

sample volume for each run shall be at least 120 minutes and 3.00 dscm (106 dscf), and for the blowing still, at least 90 minutes or the duration of the coating blow or non-coating blow, whichever is greater, and 2.25 dscm (79.4 dscf).

(3) For the saturator, the asphalt roofing production rate (P) for each run shall be determined as follows: The amount of asphalt roofing produced on the shingle or saturated felt process lines shall be obtained by direct measurement. The asphalt roofing production rate is the amount produced divided by the time taken for the run.

(4) For the blowing still, the asphalt charging rate (P) shall be computed for each run using the following equation:

$P = (Vd)/(K' \Theta)$

where:
P = asphalt charging rate to blowing still, Mg/hr (ton/hr).
V = volume of asphalt charged, m3 (ft3).
d = density of asphalt, kg/m3 (lb/ft 3).
K′ = conversion factor, 1000 kg/Mg (2000 lb/ton).
Θ = duration of test run, hr.

(i) The volume (V) of asphalt charged shall be measured by any means accurate to within 10 percent.

(ii) The density (d) of the asphalt shall be computed using the following equation:

$$d = K_1 - K_2 T_i$$

Where:
d = Density of the asphalt, kg/m 3 (lb/ft 3)
K_1 = 1056.1 kg/m^3 (metric units) = 64.70 lb/ft^3 (English Units)
K_2 = 0.6176 kg/(m^3 °C) (metric units) = 0.0694 lb/(ft^3 °F) (English Units)
T_i = temperature at the start of the blow, °C (°F)

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

(d) The Administrator will determine compliance with the standards in §60.472(a)(3) by using Method 22, modified so that readings are recorded every 15 seconds for a period of consecutive observations during representative conditions (in accordance with §60.8(c)) totaling 60 minutes. A performance test shall consist of one run.

(e) The owner or operator shall use the monitoring device in §60.473 (a) or (b) to monitor and record continuously the temperature during the particulate matter run and shall report the results to the Administrator with the performance test results

(f) If at a later date the owner or operator believes that the emission limits in §60.472(a) and (b) are being met even though one of the conditions listed in this paragraph exist, he may submit a written request to the Administrator to repeat the performance test and procedure outlined in paragraph (c) of this section.

(2) The temperature measured in accordance with §60.473(b) is lower than that measured during the performance test.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Source-wide Natural Gas Combustion

Asphalt Receiving

(c) One (1) natural gas-fired blending asphalt heater, identified as HT-1041, installed in 2001, exhausting to Stack S-3, heat input capacity: 3.00 million British thermal units per hour.

Blowstill Operations

(d) One (1) flux asphalt heating operation, identified as FAH-1 / HT-1250, installed in 2001, using waste heat from thermal oxidizer (TO-1 / TO-1200) in combination with a natural gas-fired burner rated at 7.50 million British thermal units per hour, exhausting to heater HT 1350 or to Stack S-4 depending on heat balance, capacity: 18,000 gallons of asphalt per hour.

Coating Operations

(i) One (1) natural gas-fired coating asphalt heater (Borne Heater), identified as HT-1040, installed in 1999, exhausting to Stack S-2, heat input capacity: 7.50 million British thermal units per hour.

(j) One (1) natural gas-fired hot oil heater (Fulton Heater), identified as HT-9020, installed in 1999, exhausting to Stack S-7, heat input capacity: 6.00 million British thermal units per hour.

Heat Load Servicing Operation

(o) One (1) natural gas-fired hot oil heater, identified as BO-1 / HT-1300, installed in 1999, utilizing exhaust gas from thermal oxidizer (TO-1 / TO-1200) as primary form of energy, heat input capacity: 10.5 million British thermal units per hour.

(q) One (1) natural gas-fired tracing steam generator (Caine waste heat boiler), identified as BO-2 / HT-1350, installed in 1999, exhausting to Stack S-5, heat input capacity: 10.5 million British thermal units per hour. (Under NSPS 40 CFR 60 Subpart Dc, this facility is a small industrial - commercial - institutional steam generating unit.)

(r) One (1) natural gas-fired tracing steam generator (Williams/Davis boiler), identified as HO-2 / HT-1355, installed in 1999, exhausting to Stack S-9, capacity: 12.6 million British thermal units per hour. (Under NSPS 40 CFR 60 Subpart Dc, this facility is a small industrial - commercial - institutional steam generating unit.)

Insignificant Activities

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, consisting of the following:

(1) One (1) natural gas-fired space heater, identified as HT-9240, installed in 1945, exhausting to Stack S-10, heat input capacity: 4.60 million British thermal units per hour.

(2) One (1) natural gas-fired space heater, identified as HT-9230, installed in 1945, exhausting to Stack S-11, heat input capacity: 4.30 million British thermal units per hour.

(3) One (1) natural gas-fired space heater, identified as HT-9220, installed in 1945, exhausting to Stack S-12, heat input capacity: 3.10 million British thermal units per hour.

(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 Natural Gas Usage Limitation [326 IAC 2-8-4] [326 IAC 2-2] [326 IAC 2-3]

(a) The total natural gas usage from the source-wide natural gas-fired combustion units at this source, excluding the thermal oxidizer (TO-1 / TO-1200), shall be less than 470 million cubic feet per twelve (12) consecutive month period with compliance determined at the end of each month.

(b) CO emissions from the source-wide natural gas-fired combustion units at this source, excluding the thermal oxidizer (TO-1 / TO-1200), shall not exceed 84.0 pounds per million cubic feet of natural gas combusted.

(c) Compliance with these limitations in combination with the limitation in Condition D.1.1(b) shall ensure that VOC and CO emissions from the entire source are less than one hundred (100) tons per year, each, and shall render the requirements of 326 IAC 2-7 (Part 70 Permit), 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), and 326 IAC 2-3 (Emission Offset) not applicable.

D.2.2 Particulate [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating) the PM emissions from the two (2) boilers, identified as BO-2 / HT-1350 and HO-2 / HT-1355, rated at 23.1 million British thermal units per hour heat input, total, shall be limited to 0.482 pounds per million British thermal units heat input.

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

D.2.3 Record Keeping Requirements

(a) To document compliance with Condition D.2.1, the Permittee shall maintain monthly records of the total natural gas fuel usage from all of the source-wide natural gas-fired combustion units except for the thermal oxidizer (TO-1 / TO-1200).

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

D.2.4 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

D.2.5 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart A]

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

D.2.6 NSPS Dc Requirements [40 CFR Part 60, Subpart Dc]

Pursuant to 40 CFR Part 60, Subpart Dc, the Permittee shall comply with the provisions of 40 CFR Part 60.40c for the two (2) boilers, identified as BO-2 / HT-1350 and HO-2 / HT-1355, as specified as follows:

§60.40c Applicability and delegation of authority.

(a) Except as provided in paragraph (d) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million Btu per hour (Btu/hr)) or less, but greater than or equal to 2.9 MW (10 million Btu/hr).

(b) In delegating implementation and enforcement authority to a State under section 111(c) of the Clean Air Act, §60.48c(a)(4) shall be retained by the Administrator and not transferred to a State.

(c) Steam generating units which meet the applicability requirements in paragraph (a) of this section are not subject to the sulfur dioxide (SO_2) or particulate matter (PM) emission limits, performance testing requirements, or monitoring requirements under this subpart (§§60.42c, 60.43c, 60.44c, 60.45c, 60.46c, or 60.47c) during periods of combustion research, as defined in §60.41c.

(d) Any temporary change to an existing steam generating unit for the purpose of conducting combustion research is not considered a modification under §60.14.

§ 60.41c Definitions.

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

Annual capacity factor means the ratio between the actual heat input to a steam generating unit from an individual fuel or combination of fuels during a period of 12 consecutive calendar months and the potential heat input to the steam generating unit from all fuels had the steam generating unit been operated for 8,760 hours during that 12-month period at the maximum design heat input capacity. In the case of steam generating units that are rented or leased, the actual heat input shall be determined based on the combined heat input from all operations of the affected facility during a period of 12 consecutive calendar months.

Coal means all solid fuels classified as anthracite, bituminous, subbituminous, or lignite by the American Society of Testing and Materials in ASTM D388–77, 90, 91, 95, or 98a, Standard Specification for Classification of Coals by Rank (IBR—see §60.17), coal refuse, and petroleum coke. Coal-derived synthetic fuels derived from coal for the purposes of creating useful heat, including but not limited to solvent refined coal, gasified coal, coal-oil mixtures, and coal-water mixtures, are also included in this definition for the purposes of this subpart.

Coal refuse means any by-product of coal mining or coal cleaning operations with an ash content greater than 50 percent (by weight) and a heating value less than 13,900 kilojoules per kilogram (kJ/kg) (6,000 Btu per pound (Btu/lb) on a dry basis.

Cogeneration steam generating unit means a steam generating unit that simultaneously produces both electrical (or mechanical) and thermal energy from the same primary energy source.

Combined cycle system means a system in which a separate source (such as a stationary gas turbine, internal combustion engine, or kiln) provides exhaust gas to a steam generating unit.

Combustion research means the experimental firing of any fuel or combination of fuels in a steam generating unit for the purpose of conducting research and development of more efficient combustion or more effective prevention or control of air pollutant emissions from combustion, provided that, during these periods of research and development, the heat generated is not used for any purpose other than preheating combustion air for use by that steam generating unit (i.e., the heat generated is

released to the atmosphere without being used for space heating, process heating, driving pumps, preheating combustion air for other units, generating electricity, or any other purpose).

Conventional technology means wet flue gas desulfurization technology, dry flue gas desulfurization technology, atmospheric fluidized bed combustion technology, and oil hydrodesulfurization technology.

Distillate oil means fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396–78, 89, 90, 92, 96, or 98, "Standard Specification for Fuel Oils" (incorporated by reference—see §60.17).

Dry flue gas desulfurization technology means a sulfur dioxide (SO_2) control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline slurry or solution and forming a dry powder material. This definition includes devices where the dry powder material is subsequently converted to another form. Alkaline reagents used in dry flue gas desulfurization systems include, but are not limited to, lime and sodium compounds.

Duct burner means a device that combusts fuel and that is placed in the exhaust duct from another source (such as a stationary gas turbine, internal combustion engine, kiln, etc.) to allow the firing of additional fuel to heat the exhaust gases before the exhaust gases enter a steam generating unit.

Emerging technology means any SO_2 control system that is not defined as a conventional technology under this section, and for which the owner or operator of the affected facility has received approval from the Administrator to operate as an emerging technology under §60.48c(a)(4).

Federally enforceable means all limitations and conditions that are enforceable by the Administrator, including the requirements of 40 CFR Parts 60 and 61, requirements within any applicable State implementation plan, and any permit requirements established under 40 CFR 52.21 or under 40 CFR 51.18 and 40 CFR 51.24.

Fluidized bed combustion technology means a device wherein fuel is distributed onto a bed (or series of beds) of limestone aggregate (or other sorbent materials) for combustion; and these materials are forced upward in the device by the flow of combustion air and the gaseous products of combustion. Fluidized bed combustion technology includes, but is not limited to, bubbling bed units and circulating bed units.

Fuel pretreatment means a process that removes a portion of the sulfur in a fuel before combustion of the fuel in a steam generating unit.

Heat input means heat derived from combustion of fuel in a steam generating unit and does not include the heat derived from preheated combustion air, recirculated flue gases, or exhaust gases from other sources (such as stationary gas turbines, internal combustion engines, and kilns).

Heat transfer medium means any material that is used to transfer heat from one point to another point.

Maximum design heat input capacity means the ability of a steam generating unit to combust a stated maximum amount of fuel (or combination of fuels) on a steady state basis as determined by the physical design and characteristics of the steam generating unit.

Natural gas means (1) a naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane, or (2) liquefied petroleum (LP) gas, as defined by the American Society for Testing and Materials in ASTM D1835–86, 87, 91, or 97, "Standard Specification for Liquefied Petroleum Gases" (incorporated by reference—see §60.17).

Noncontinental area means the State of Hawaii, the Virgin Islands, Guam, American Samoa, the Commonwealth of Puerto Rico, or the Northern Mariana Islands.

Oil means crude oil or petroleum, or a liquid fuel derived from crude oil or petroleum, including distillate oil and residual oil.

Potential sulfur dioxide emission rate means the theoretical SO_2 emissions (nanograms per joule [ng/J], or pounds per million Btu [lb/million Btu] heat input) that would result from combusting fuel in an uncleaned state and without using emission control systems.

Process heater means a device that is primarily used to heat a material to initiate or promote a chemical reaction in which the material participates as a reactant or catalyst.

Residual oil means crude oil, fuel oil that does not comply with the specifications under the definition of distillate oil, and all fuel oil numbers 4, 5, and 6, as defined by the American Society for Testing and Materials in ASTM D396–78, 89, 90, 92, 96, or 98, "Standard Specification for Fuel Oils" (incorporated by reference—see §60.17).

Steam generating unit means a device that combusts any fuel and produces steam or heats water or any other heat transfer medium. This term includes any duct burner that combusts fuel and is part of a combined cycle system. This term does not include process heaters as defined in this subpart.

Steam generating unit operating day means a 24-hour period between 12:00 midnight and the following midnight during which any fuel is combusted at any time in the steam generating unit. It is not necessary for fuel to be combusted continuously for the entire 24-hour period.

Wet flue gas desulfurization technology means an SO_2 control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline slurry or solution and forming a liquid material. This definition includes devices where the liquid material is subsequently converted to another form. Alkaline reagents used in wet flue gas desulfurization systems include, but are not limited to, lime, limestone, and sodium compounds.

Wet scrubber system means any emission control device that mixes an aqueous stream or slurry with the exhaust gases from a steam generating unit to control emissions of particulate matter (PM) or SO_2.

Wood means wood, wood residue, bark, or any derivative fuel or residue thereof, in any form, including but not limited to sawdust, sanderdust, wood chips, scraps, slabs, millings, shavings, and processed pellets made from wood or other forest residues.

§ 60.48c Reporting and recordkeeping requirements.

(a) The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by §60.7 of this part. This notification shall include:

(1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.

(g) The owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day. The owner or operator of an affected facility that only burns very low sulfur fuel oil or other liquid or gaseous fuels with potential sulfur dioxide emissions rate of 140 ng/J (0.32 lb/MMBtu) heat input or less shall record and maintain records of the fuels combusted during each calendar month.

(i) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Building Materials Manufacturing Corporation
Source Address: 505 North Roeske Avenue, Michigan City, IN 46360
Mailing Address: 505 North Roeske Avenue, Michigan City, IN 46360
FESOP No.: F 091-18358-00051

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

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify) _____

☐ Report (specify) _____

☐ Notification (specify) _____

☐ Affidavit (specify) _____

☐ Other (specify) _____

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

Signature:

Printed Name:

Title/Position:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT

Source Name: Building Materials Manufacturing Corporation
Source Address: 505 North Roeske Avenue, Michigan City, IN 46360
Mailing Address: 505 North Roeske Avenue, Michigan City, IN 46360
FESOP No.: F 091-18358-00051

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 317-233-1078, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16

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

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

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

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

FESOP Quarterly Report

Source Name: Building Materials Manufacturing Corporation
Source Address: 505 North Roeske Avenue, Michigan City, IN 46360
Mailing Address: 505 North Roeske Avenue, Michigan City, IN 46360
FESOP No.: F 091-18358-00051
Facilities: All facilities vented to thermal oxidizer (TO-1 / TO-1200)
Parameter: Total VOC emissions
Limit: Not to exceed 98.6 tons per twelve (12) consecutive month period with compliance determined at the end of each month [326 IAC 2-8-4 and 326 IAC 2-3]

Not to exceed 98.9 tons per twelve (12) consecutive month period with compliance determined at the end of each month [326 IAC 8-1-6] based on the following equation:

VOC emissions (tons per twelve (12) consecutive month period) = Total input of VOC to all facilities vented to TO-1 / TO-1200 * (1 - overall control efficiency % of TO-1 / TO-1200)

YEAR:_____

Month	Total VOC Emissions (tons)	Total VOC Emissions (tons)	Total VOC Emissions (tons)
	This Month	Previous 11 Months	12 Month Total

☐ No deviation occurred in this month.

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

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Building Materials Manufacturing Corporation
Source Address: 505 North Roeske Avenue, Michigan City, IN 46360
Mailing Address: 505 North Roeske Avenue, Michigan City, IN 46360
FESOP No.: F 091-18358-00051
Facilities: Source-wide natural gas combustion units except thermal oxidizer (TO-1 / TO-1200)
Parameter: Natural Gas Usage
Limit: Not to exceed a total of 470 million cubic feet per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:_____

Month	Natural Gas Usage (mmcf)	Natural Gas Usage (mmcf)	Natural Gas Usage (mmcf)
	This Month	Previous 11 Months	12 Month Total

☐ No deviation occurred in this month.

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

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

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

Source Name: Building Materials Manufacturing Corporation
Source Address: 505 North Roeske Avenue, Michigan City, IN 46360
Mailing Address: 505 North Roeske Avenue, Michigan City, IN 46360
FESOP No.: F 091-18358-00051

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

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked ANo 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: _____

A certification is not required for this report.