INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

NOTICE OF 30-DAY PERIOD
FOR PUBLIC COMMENT

Preliminary Findings Regarding a
Significant Revision to a
Federally Enforceable State Operating Permit (FESOP)
for
StonCor Group, Inc. in Allen County

Significant Permit Revision No. 003-40570-00217

The Indiana Department of Environmental Management (IDEM) has received an application from StonCor Group, Inc., located at 1310 Dividend Road, Fort Wayne, IN 46808, for a significant revision of its FESOP issued on November 23, 2016. If approved by IDEM's Office of Air Quality (OAQ), this proposed revision would allow StonCor Group, Inc. to make certain changes at its existing source. StonCor Group, Inc. has applied construct one (1) sand screen, identified as EU #19, with a maximum throughput of 10,500 pounds of sand per hour.

The applicant intends to construct and operate new equipment that will emit air pollutants; therefore, the permit contains new or different permit conditions. In addition, some conditions from previously issued permits/approvals have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes (e.g., changes that add or modify synthetic minor emission limits). The potential to emit regulated air pollutants will continue to be limited to less than the Title V and PSD major threshold levels. IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow the applicant to make this change.

A copy of the permit application and IDEM's preliminary findings are available at:

Allen County public Library
2200 Lower Huntington Road
Fort Wayne, Indiana 46819

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

A copy of the preliminary findings is also available via IDEM's Virtual File Cabinet (VFC.) Please go to: http://www.in.gov/idem/ and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria.

How can you participate in this process?

The date that this notice is published in a newspaper marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting,

you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number SPR 003-40570-00217 in all correspondence.

Comments should be sent to:

Donald McQuigg
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, and dial extension (317) 234-4240
Or dial directly: (317) 234-4240
Fax: (317) 232-6749 attn: Donald McQuigg
E-mail: dmcquigg@idem.IN.gov

All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor, or noise. For such issues, please contact your local officials.

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: http://www.in.gov/idem/airquality/2356.htm; and the Citizens' Guide to IDEM on the Internet at: http://www.in.gov/idem/6900.htm.

Permit Legal Notices
On November 14, 2018, the State of Indiana Environmental Rules Board adopted rule amendments to 326 IAC 2-1.1-6, 326 IAC 2-7-13, 326 IAC 2-7-17, 326 IAC 2-8-13, 326 IAC 2-8-18, and 326 IAC 2-12-1 (LSA #17-395), concerning legal notice provisions for air permits issued under the NSR and Title V permit programs and other air permits for which newspaper notices are published by IDEM OAQ. The adopted rule amendments require that IDEM OAQ provide electronic public notices on IDEM's website as the primary and consistent method for communicating air permit notices to the public. IDEM anticipates that the final (effective) rule amendments will be promulgated on or about March 14, 2019. The status of these rule amendments (LSA #17-395) and the final effective date will be posted on the following website: https://www.in.gov/idem/legal/2351.htm.

Until the rule amendments to 326 IAC 2-1.1-6, 326 IAC 2-7-13, 326 IAC 2-7-17, 326 IAC 2-8-13, 326 IAC 2-8-18, and 326 IAC 2-12-1 are promulgated final (effective), IDEM OAQ will publish both newspaper public notices and electronic public notices on IDEM's website. Once the rule amendments are promulgated final (effective), IDEM OAQ will no longer publish newspaper public notices and will only publish electronic public notices on IDEM's website.

Electronic public notices, including permitting, rulemaking, meeting, and hearing notices, are posted on IDEM's website at: https://www.in.gov/idem/5474.htm. Public notices posted on IDEM's webpage will be accessible for the duration of the public comment period.

IDEM OAQ provides alternative methods for receiving public notices, such as the interested parties mailing list. The IDEM OAQ interested parties mailing list consists of people who have asked to be notified by email list or direct mail delivery of air permit actions related to a specific source or multiple sources, or for all air permit actions in a certain county or multiple counties. If you would like to be added

to the IDEM OAQ interested parties mailing list, call Patty Pear at (317) 233-6875 or call (800) 451-6027, select option 4, and ask for the "Permits Administration Section".

Citizens and interested parties can also subscribe to IDEM's regional public notice pages and receive an e-mail or text message to your phone every time IDEM adds information to a subscribed region at the following website: https://public.govdelivery.com/accounts/INDEM/subscriber/new?qsp=INDEM_3

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above, at the local library indicated above, and the IDEM public file room on the 12th floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.

If you have any questions, please contact Donald McQuigg of my staff at the above address.

Josiah K. Balogun, Section Chief
Permits Branch
Office of Air Quality

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Eric J. Holcomb
Governor

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Bruno L. Pigott
Commissioner

Mr. Lee Bowers
StonCor Group, Inc.
1000 East Park Avenue
Maple Shade, New Jersey 08052

Re: 003-40570-00217
Significant Revision to
F003-36584-00217

Dear Mr. Bowers:

The StonCor Group, Inc was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F003-36584-00217, on August 23, 2016, for a stationary colored sand blending and bagging plant located at 1310 Dividend Road, Fort Wayne, Indiana 46808. On October 9, 2018, the Office of Air Quality (OAQ) received an application from the source requesting to construct and operate a new sand screener. Pursuant to the provisions of 326 IAC 2-8-11.1, these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-8-11.1(f). Pursuant to the provisions of 326 IAC 2-8-11.1, a Significant Permit Revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

Pursuant to 326 IAC 2-8-11.1, the following emission unit is approved for construction at the source:

(a) One (1) sand screener, identified as EU #19, approved in 2018 for construction, with a maximum throughput of 10,500 pounds of sand per hour, using baghouse #13 as control, and exhausting indoors.

The following construction conditions are applicable to the proposed project:

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this permit revision approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).

2. This approval to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

Effective Date of the Permit

3. Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

Commenced Construction

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

5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the Significant Permit Revision into the permit.

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire FESOP as revised.

A copy of the permit is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/. A copy of the permit is also available via IDEM's Virtual File Cabinet (VFC.) Please go to: http://www.in.gov/idem/ and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: http://www.in.gov/idem/airquality/2356.htm; and the Citizens' Guide to IDEM on the Internet at: http://www.in.gov/idem/6900.htm.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.

If you have any questions regarding this matter, please contact Donald McQuigg, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 234-4240 or (800) 451-6027, and dial extension 317-234-4240.

Sincerely,

Josiah K. Balogun, Section Chief
Permits Branch
Office of Air Quality

Attachments: Revised permit and Technical Support Document.

cc: File - Allen County
Allen County Health Department
U.S. EPA, Region 5
Compliance and Enforcement Branch

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Bruno L. Pigott
Commissioner

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Federally Enforceable State Operating Permit Renewal
OFFICE OF AIR QUALITY

StonCor Group, Inc.
1310 Dividend Road
Fort Wayne, Indiana 46808

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

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

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

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

Operation Permit No.: F003-36584-00217 Master Agency Interest ID.: 14738	
Original Signed/Issued by: Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: August 23, 2016 Expiration Date: August 23, 2026

Significant Permit Revision No. 003-39260-00217, issued May 16, 2018

Significant Permit Revision No. 003-40570-00217	
Issued by: Josiah K. Balogun, Section Chief Permits Branch Office of Air Quality	Issuance Date: Expiration Date: August 23, 2026

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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 colored sand blending and bagging plant.

Source Address:	1310 Dividend Road, Fort Wayne, Indiana 46808
General Source Phone Number:	856-779-7500
SIC Code:	1446 (Industrial Sand), 3272 (Concrete Products, Except Block and Brick)
County Location:	Allen
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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

Stonclad Process

(a) Truck and Rail silica pneumatic conveying into silos #1 through #3, with a maximum throughput of 23,500 pounds per hour, controlled by integral baghouse, identified as Baghouse #1.

(b) Three (3) silica receiving silos (silos 1 - 3), collectively identified as EU #1, installed prior to 1982, each equipped with a common integral baghouse dust collector, identified as Baghouse #1, exhausting through Stack 1. Unit capacities include:

(1) Silo 1 has a storage capacity of 210 tons of sand and a maximum throughput of 9,000 pounds of sand per hour.
(2) Silo 2 has a storage capacity of 151 tons of sand and a maximum throughput of 12,000 pounds of sand per hour.
(3) Silo 3 has a storage capacity of 150 tons of sand and a maximum throughput of 9,000 pounds of sand per hour.

(c) Truck pneumatic conveying into silos #4 and #5, with a maximum throughput of 1,100 pounds per hour, controlled by integral baghouse, identified as Baghouse #2.

(d) Two (2) receiving silos (silos 4 & 5), collectively identified as EU #2, installed in 1982, each equipped with a common integral baghouse dust collector, identified as Baghouse #2, exhausting through Stack 2. Unit capacities include:
(1) Silo 4 has a storage capacity of 70 tons of sand and a maximum throughput of 800 pounds of sand per hour.
(2) Silo 5 has a storage capacity of 46 tons of fly ash and a maximum throughput of 300 pounds of sand per hour.

(e) One (1) sand feed chute, identified as EU #3, installed in 1982, equipped with polyester felt bag for particulate matter control, exhausting through Stack 3, with a storage capacity of 500 pounds of sand, and a maximum throughput of 17,000 pounds of sand per hour.

(f) One (1) Stonclad blender, identified as EU #4, installed in 1982, equipped with an integral baghouse dust collector, identified as Baghouse #4, exhausting through Stack 4, with a storage capacity of 5,000 pounds of sand, and a maximum throughput of 17,000 pounds of sand per hour.

(g) Pneumatic conveying system from Blender to Hopper Silo for Stonclad Bagging (EU #5B), installed in 2013, controlled by an integral baghouse, identified as Baghouse #5, with a maximum throughput of 17,000 pounds of sand per hour

(h) Stonclad bagging/packaging line, identified as EU #5B, including a bagger, scale, scale bin, constructed in 2013, with a maximum throughput of 17,000 pounds of sand per hour, using baghouse #13 as control, and exhausting indoors.

(i) One (1) sand screener, identified as EU #19, approved in 2018 for construction, with a maximum throughput of 10,500 pounds of sand per hour, using baghouse #13 as control, and exhausting indoors.

Stonblend/Stonshield Coating Process

(j) Truck raw material pneumatic conveying into silo #10, with a maximum throughput of 10,000 pounds per hour, controlled by an integral baghouse, identified as Baghouse #9.

(k) One (1) Eirich RV-19 receiving bin, identified as EU #6, installed in 2014, equipped with a Donaldson CPV-3 bin vent cartridge filter #6, exhausting indoors, with a storage capacity of 1.25 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(l) One (1) tote fill station, identified as EU #7, installed in 2014, pneumatic transfer for filling, equipped with a Donaldson CPV-3 bin vent cartridge filter #7 for conveying, exhausting indoors, and the integral Central Dust Collector, identified as Baghouse #10, for filling, exhausting through Stack 10 with a storage capacity of 1.25 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(m) One (1) Stonshield bagger and receiving bin, identified as EU #8, installed in 2017, pneumatic transfer, equipped with an integral baghouse dust collector, identified as Baghouse #8, exhausting through Stack 8, with a storage capacity of 6 tons of sand and a maximum throughput of 4,500 pounds of sand per hour.

(n) One (1) white silica receiving silo, identified as EU #9, installed in 1987, pneumatic transfer, equipped with the integral Stonshield Central Dust Collector, identified as Baghouse #9, exhausting through Stack 9, with a storage capacity of 52 tons of sand and a maximum throughput of 4,500 pounds of sand per hour.

(o) One (1) raw material receiving silo, identified as EU #10, installed in 1987, equipped with the integral Stonshield Central Dust Collector, identified as Baghouse #9, exhausting through Stack 9, with a storage capacity of 63 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(p) One (1) Stonshield blender, one (1) Stonshield weigh hopper and three (3) tote stations, collectively identified as EU #11, installed in 1987, pneumatic transfer, equipped with the integral Stonshield Central Dust Collector, identified as Baghouse #9, exhausting through Stack 9, with a storage capacity of 2.4 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(q) One (1) pneumatic conveying/transfer system from silo #10 into raw material Transporter, EU #12, controlled by an integral baghouse, identified as Baghouse #10, with a maximum throughput of 10,000 pounds per hour.

(r) One (1) Stonshield screening, Eirich surge hopper and raw material transporter, collectively identified as EU #12, installed in 1987, equipped with the integral Central Dust Collector, identified as Baghouse #10, exhausting through Stack 10, with a maximum throughput of 10,000 pounds of sand per hour.

(s) One (1) conveying system from Transporter, EU #12 into Eirich RV19 Receiving Bin, EU #6, installed in 2013, controlled by Cartridge filter #6, with a maximum throughput of 10,000 pounds per hour.

(t) One (1) product pneumatic conveying from Screening EU #12 to Surge Hopper EU #12, controlled by an integral baghouse, identified as Baghouse #10 with a maximum throughput of 10,000 pounds per hour.

(u) One (1) hand pack line with hopper bin, identified as EU #13, installed in 1997, equipped with a baghouse dust collector, identified as Baghouse #11, exhausting through Stack 11, with a storage capacity of 2.4 tons of sand and a maximum throughput of 750 pounds of sand per hour.

(v) One (1) conveying system from Eirich RV-19 Receiving Bin, EU #6 into one (1) fluidized zone mixer, identified as EU #15, installed in 1999, equipped with a baghouse dust collector, identified as Baghouse #12, exhausting through Stack 12, with a maximum throughput of 12,000 pounds of aggregate, pigment and polymer dispersion per hour .

Visimax Process

(w) Visimax packaging line, identified as EU #18, including a scale, receiving bin, sealer, and conveyor, installed in 2009, with a maximum throughput of 5,000 pounds per hour, using baghouse #14 as control, and exhausting indoors.

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

This stationary source also includes the following insignificant activities:

(a) 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 eight (8) natural gas-fired hot air blowers, rated at 1.0 million British thermal units per hour each.

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(b) Any unit emitting less than twenty-five (25) pounds per day or less than five (5) pounds per hour of particulate matter:

(1) Matrix pigment packaging line, identified as unit IS4, constructed in 2016, with a maximum throughput of 2,500 pounds per hour, equipped with small cartridge filter for particulate matter control, and exhausting indoors. [326 IAC 6-3-2].

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).

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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, F003-36584-00217, 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][IC 13-17-12]

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

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

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

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

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

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

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

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

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

(a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:

(1) it contains a certification by an "authorized individual", as defined by 326 IAC 2-1.1-1(1), and

(2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

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

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

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

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

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

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

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

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

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

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

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

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

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

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

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

The Permittee shall implement the PMPs.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

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

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

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

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

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

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

The Permittee shall implement the PMPs.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The

PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

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

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

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

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

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

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

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

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

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

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

(A) A description of the emergency;

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

(C) Corrective actions taken.

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) All terms and conditions of permits established prior to F003-36584-00217 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised, or

(3) deleted.

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

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

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

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

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

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

(1) That this permit contains a material mistake.

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

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

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

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

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

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(42). The renewal application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

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

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

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

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-8-3(g), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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

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

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

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

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

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

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

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

(4) The Permittee notifies the:

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

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b)(1) and (c). The Permittee shall make such records available, upon reasonable request, for public review.

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

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

(c) Alternative Operating Scenarios [326 IAC 2-8-15(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.19 Source Modification Requirement [326 IAC 2-8-11.1]

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

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

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

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

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

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

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

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

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

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

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

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

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

(a) The Permittee shall pay annual fees to IDEM, OAQ no later than thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

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

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

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B.23 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314][326 IAC 1-1-6]

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

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SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

(a) Pursuant to 326 IAC 2-8:

(1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.

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

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

(b) Pursuant to 326 IAC 2-2 (PSD), potential to emit particulate matter (PM) from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.

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

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

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

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

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

C.7 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:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

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

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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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(1)][326 IAC 2-8-5(a)(1)]

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

(a) For new units:
Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

(b) For existing units:
Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance to begin such monitoring. If, due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. The analog instrument shall be capable of measuring values outside of the normal range.

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

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

C.13 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.

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C.14 Response to Excursions or Exceedances [326 IAC 2-8-4][326 IAC 2-8-5]

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

(a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

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

(3) any necessary follow-up actions to return operation to normal or usual manner of operation.

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

(1) monitoring results;

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

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

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

(e) The Permittee shall record the reasonable response steps taken.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.

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

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following, where applicable:

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

Records of required monitoring information include the following, where applicable:

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

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

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

C.17 General Reporting Requirements [326 IAC 2-8-4(3)(C)][326 IAC 2-1.1-11]

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

(b) The address for report submittal is:

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

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

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

Stratospheric Ozone Protection

C.18 Compliance with 40 CFR 82 and 326 IAC 22-1

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

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SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Stonclad Process

(a) Truck and Rail silica pneumatic conveying into silos #1 through #3, with a maximum throughput of 23,500 pounds per hour, controlled by integral baghouse, identified as Baghouse #1.

(b) Three (3) silica receiving silos (silos 1 - 3), collectively identified as EU #1, installed prior to 1982, each equipped with a common integral baghouse dust collector, identified as Baghouse #1, exhausting through Stack 1. Unit capacities include:

(1) Silo 1 has a storage capacity of 210 tons of sand and a maximum throughput of 9,000 pounds of sand per hour.
(2) Silo 2 has a storage capacity of 151 tons of sand and a maximum throughput of 12,000 pounds of sand per hour.
(3) Silo 3 has a storage capacity of 150 tons of sand and a maximum throughput of 9,000 pounds of sand per hour.

(c) Truck pneumatic conveying into silos #4 and #5, with a maximum throughput of 1,100 pounds per hour, controlled by integral baghouse, identified as Baghouse #2.

(d) Two (2) receiving silos (silos 4 & 5), collectively identified as EU #2, installed in 1982, each equipped with a common integral baghouse dust collector, identified as Baghouse #2, exhausting through Stack 2. Unit capacities include:
(1) Silo 4 has a storage capacity of 70 tons of sand and a maximum throughput of 800 pounds of sand per hour.
(2) Silo 5 has a storage capacity of 46 tons of fly ash and a maximum throughput of 300 pounds of sand per hour.

(e) One (1) sand feed chute, identified as EU #3, installed in 1982, equipped with polyester felt bag for particulate matter control, exhausting through Stack 3, with a storage capacity of 500 pounds of sand, and a maximum throughput of 17,000 pounds of sand per hour.

(f) One (1) Stonclad blender, identified as EU #4, installed in 1982, equipped with an integral baghouse dust collector, identified as Baghouse #4, exhausting through Stack 4, with a storage capacity of 5,000 pounds of sand, and a maximum throughput of 17,000 pounds of sand per hour.

(g) One (1) Pneumatic conveying system from Blender to Hopper Silo for Stonclad Bagging (EU #5B), installed in 2013, controlled by an integral baghouse, identified as Baghouse #5, with a maximum throughput of 17,000 pounds of sand per hour

(h) One (1) Stonclad bagging/packaging line, identified as EU #5B, including a bagger, scale, scale bin, constructed in 2013, with a maximum throughput of 17,000 pounds of sand per hour, using baghouse #13 as control, and exhausting indoors.

(i) One (1) sand screener, identified as EU #19, approved in 2018 for construction, with a maximum throughput of 10,500 pounds of sand per hour, using baghouse #13 as control, and exhausting indoors.

Stonblend/Stonshield Coating Process

(i) Truck raw material pneumatic conveying into silo #10, with a maximum throughput of 10,000 pounds per hour, controlled by an integral baghouse, identified as Baghouse #9.

(j) One (1) Eirich RV-19 receiving bin, identified as EU #6, installed in 2014, equipped with a Donaldson CPV-3 bin vent cartridge filter #6, exhausting indoors, with a storage capacity of 1.25 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(k) One (1) tote fill station, identified as EU #7, installed in 2014, pneumatic transfer for filling, equipped with a Donaldson CPV-3 bin vent cartridge filter #7 for conveying, exhausting indoors, and the integral Central Dust Collector, identified as Baghouse #10, for filling, exhausting through Stack 10 with a storage capacity of 1.25 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(l) One (1) Stonshield bagger and receiving bin, identified as EU #8, installed in 2017, pneumatic transfer, equipped with an integral baghouse dust collector, identified as Baghouse #8, exhausting through Stack 8, with a storage capacity of 6 tons of sand and a maximum throughput of 4,500 pounds of sand per hour.

(m) One (1) white silica receiving silo, identified as EU #9, installed in 1987, pneumatic transfer, equipped with the integral Stonshield Central Dust Collector, identified as Baghouse #9, exhausting through Stack 9, with a storage capacity of 52 tons of sand and a maximum throughput of 4,500 pounds of sand per hour.

(n) One (1) raw material receiving silo, identified as EU #10, installed in 1987, equipped with the integral Stonshield Central Dust Collector, identified as Baghouse #9, exhausting through Stack 9, with a storage capacity of 63 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(o) One (1) Stonshield blender, one (1) Stonshield weigh hopper and three (3) tote stations, collectively identified as EU #11, installed in 1987, pneumatic transfer, equipped with the integral Stonshield Central Dust Collector, identified as Baghouse #9, exhausting through Stack 9, with a storage capacity of 2.4 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(p) One (1) pneumatic conveying/transfer system from silo #10 into raw material Transporter, EU #12, controlled by an integral baghouse, identified as Baghouse #10, with a maximum throughput of 10,000 pounds per hour.

(q) One (1) Stonshield screening, Eirich surge hopper and raw material transporter, collectively identified as EU #12, installed in 1987, equipped with the integral Central Dust Collector, identified as Baghouse #10, exhausting through Stack 10, with a maximum throughput of 10,000 pounds of sand per hour.

(r) One (1) conveying system from Transporter, EU #12 into Eirich RV19 Receiving Bin, EU #6, installed in 2013, controlled by Cartridge filter #6, with a maximum throughput of 10,000 pounds per hour.

(s) One (1) product pneumatic conveying from Screening EU #12 to Surge Hopper EU #12, controlled by an integral baghouse, identified as Baghouse #10 with a maximum throughput of 10,000 pounds per hour.

(t) One (1) hand pack line with hopper bin, identified as EU #13, installed in 1997, equipped with a baghouse dust collector, identified as Baghouse #11, exhausting through Stack 11, with a storage capacity of 2.4 tons of sand and a maximum throughput of 750 pounds of sand per hour.

(u) One (1) conveying system from Eirich RV-19 Receiving Bin, EU #6 into one (1) fluidized zone mixer, identified as EU #15, installed in 1999, equipped with a baghouse dust collector, identified as Baghouse #12, exhausting through Stack 12, with a maximum throughput of 12,000 pounds of aggregate, pigment and polymer dispersion per hour .

Visimax Process

(v) Visimax packaging line, identified as EU #18, including a scale, receiving bin, sealer, and conveyor, installed in 2009, with a maximum throughput of 5,000 pounds per hour, using baghouse #14 as control, and exhausting indoors.

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

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

D.1.1 Prevention of Significant Deterioration (PSD) Minor Limits [326 IAC 2-2]]

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

Emission Unit ID	Control ID	PM Emission Limits (pounds/hour)
Sand Chute Conveying (EU #3)	Felt Bag #3	2.81
Eirich RV-19 receiving bin (EU #6)	Cartridge Filter #6	1.65
Tote Fill Station (EU #7)	Cartridge Filter #7	1.65
Hand Pack Line with Hopper (EU #13)	Baghouse #11	0.12
Fluidized Zone Mixer (EU #15)	Baghouse #12	1.98
Stonclad Bagging/Packaging line (EU #5B and EU #19)	Baghouse #13	3.14
Stonclad Bagging/Packaging line (EU #5B)	Baghouse #5	1.40
Visimax Product Packaging EU #18	Baghouse #14	0.82

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

D.1.2 FESOP Limits [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4 (FESOP) and in order to render the requirements of 326 IAC 2-7 (Part 70) not applicable, the Permittee shall with the followings;

Emission Unit ID	Control ID	PM10/PM2.5 Emission Limits (pounds/hour)
Sand Chute Conveying (EU #3)	Felt Bag #3	2.81
Eirich RV-19 receiving bin (EU #6)	Cartridge Filter #6	1.65
Tote Fill Station (EU #7)	Cartridge Filter #7	1.65
Hand Pack Line with Hopper (EU #13)	Baghouse #11	0.12
Fluidized Zone Mixer (EU #15)	Baghouse #12	1.98
Stonclad Bagging/Packaging line (EU #5B and EU #19)	Baghouse #13	3.14
Stonclad Bagging/Packaging line (EU #5B)	Baghouse #5	1.40
Visimax Product Packaging EU #18	Baghouse #14	0.82

Compliance with these PM_{10} and $PM_{2.5}$ limits, combined with the potential to emit PM_{10} and $PM_{2.5}$ from all other emission units at this source, shall limit the source-wide total potential to emit PM_{10} and $PM_{2.5}$ to less than one hundred (100) tons per year, each, and shall render 326 IAC 2-7 (Part 70 Permits) not applicable to this source.

D.1.3 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from the following emission units shall not exceed the pound per hour limits specified in the following table:

Process/Emission Unit	Process Weight Rate (tons/hour)	Particulate Emission Limits (pounds/hour)
Truck or Rail Conveying and Silos 1, 2, & 3 (EU #1)	15.0	25.2
Truck Conveying and Silos 4 & 5 (EU #2)	0.6	2.7
Sand Chute Conveying (EU #3)	8.5	17.2
Stonclad Blender (EU #4)	8.5	17.2
Eirich RV-19 receiving bin (EU #6)	5.0	12.1
Tote Fill Station (EU #7)	5.0	12.1
Stonshield Bagger and Receiving Bin (EU #8)	2.3	7.1
White Silica Receiving Silo (EU #9), Raw Material Receiving Silo (EU #10), Tote Stations (EU #11)	12.3	22.0
Tote fill station (EU #7), Stonshield bagger (EU#8) and receiving bin (EU #12)	12.3	22.0
Hand pack line with hopper bin (EU #13)	0.4	2.1
Fluidized zone mixer (EU #15)	6.0	13.6
Stonclad bagging/ packaging line (EU #5B)	4.3	10.8
Sand Screener (EU #19)	5.3	12.5
Visimax (EU #18)	2.5	7.6

The pounds per hour limitations above were calculated using the following equation:

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

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

D.1.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for these facilities and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements [326 IAC 2-8-4(1)]

D.1.5 Particulate Control

(a) In order to comply with Conditions D.1.1 and D.1.2, each of the baghouses and cartridge filters for particulate control shall be in operation and control emissions from each associated Stoneclad, Stonblend/Stonshield and Visimax emission unit at all times the unit is in operation.

(b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

D.1.6 Parametric Monitoring

(a) The Permittee shall record the pressure drop across the baghouses/control used in conjunction with the corresponding units, at least once per day, when the corresponding units are in operation:

Control ID	Emission Unit	Pressure Drop Range
Baghouse #1	Truck or Rail Conveying and Silos 1, 2, 3 (EU #1)	0.5 and 5.0 inches
Baghouse #2	Truck Conveying and Silos 4, 5 (EU #2)	0.5 and 5.0 inches
Felt Bag #3	Sand Chute Conveying (EU #3)	Normal-Defective
Baghouse #4	Stonclad Blender (EU #4)	0.5 and 5.0 inches
Baghouse #5	Stonclad Bagging/Packaging line (EU #5B)	0.5 and 5.0 inches
Cartridge Filter #6	Eirich RV-19 Receiving Bin (EU #6)	0.5 and 5.0 inches
Cartridge Filter #7	Tote Fill Station (EU #7)	0.5 and 5.0 inches
Baghouse #8	Stonshield Bagger and Receiving Bin (EU #8)	0.5 and 5.0 inches

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Control ID	Emission Unit	Pressure Drop Range
Baghouse #9	White Silica Receiving Silo (EU #9), Raw Material Receiving Silo (EU #10), Tote Stations (EU #11)	0.5 and 5.0 inches
Baghouse #10	Tote Fill Station (EU #7), Stonshield Bagger and Receiving Bin (EU #8), Eirich Surge Hopper and Raw Material Transporter (EU #12)	0.5 and 5.0 inches
Baghouse #11	Hand Pack Line with Hopper (EU #13)	0.5 and 5.0 inches
Baghouse #12	Fluidized Zone Mixer (EU #15)	0.5 and 4.0 inches
Baghouse 13	Stonclad Bagging/Packaging line (EU #5B and EU #19)	0.5 and 6.0 inches
Baghouse #10	Tote fill station (EU #7), Stonshield bagger (EU#8) and receiving bin (EU #12)	0.5 and 5.0 inches
Baghouse #14	Visimax Product Packaging (EU #18)	0.5 and 6.0 inches

When for any one reading, the pressure drop across the baghouse is outside the normal range the Permittee shall take a reasonable response. The normal range for each unit is that which is listed in the table unless a different upper-bound or lower-bound value for this range is determined during the latest stack test. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

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

D.1.7 Baghouses/Cartridge Filters Inspections

The Permittee shall perform quarterly inspections of the Felt Bag #3 associated with Sand Chute Conveyor (EU #3); Baghouses #5 and #13 associated with Stonclad Bagging/Packaging Line (EU #5B) and sand screener (EU #19); Baghouse #12 associated with Fluidized Zone Mixer (EU #15); Baghouse #11 associated with the Hand Pack Line (EU #13); Cartridge Filter #6, associated with the Eirich RV-19 Receiving Bin (EU #6); and Cartridge Filter #7 associated with Tote Fill/Product Fill (EU #7) to verify that they are being operated and maintained in accordance with the manufacturer's specifications. Inspections required by this condition shall not be performed in consecutive months. All defective bags or cartridges shall be replaced.

D.1.8 Broken or Failed Bag Detection

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

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emission unit. Operations may continue only if the event

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qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

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

D.1.9 Record Keeping Requirements

(a) To document the compliance status with Condition D.1.6 - Parametric Monitoring, the Permittee shall maintain records once per day of the pressure drop. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g., the process did not operate that day).

(b) To document the compliance status with Condition D.1.7 - Baghouses/Cartridge Filters Inspections, the Permittee shall maintain records of the dates and results of the inspections required under Condition D.1.7 - Baghouses/Cartridge Filters Inspection.

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

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SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:
Insignificant Activities:

(b) Any unit emitting less than twenty-five (25) pounds per day or less than five (5) pounds per hour of particulate matter:

(1) Matrix pigment packaging line, identified as unit IS4, approved for construction in 2016, with a maximum throughput of 2,500 pounds per hour, equipped with small cartridge filter for particulate matter control, and exhausting indoors. [326 IAC 6-3-2].

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

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

D.2.1 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

(a) Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes), the particulate emissions from the following emission unit shall not exceed the pound per hour limit specified in the following table:

Unit	Emission Units #	Process Weight Rate (tons/hour)	Particulate Emission Limit (pounds/hour)
pigment packaging line	IS4	1.25	4.80

The pounds per hour limitation was calculated using the following equation:

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

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

D.2.2 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for these facilities and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

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

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: StonCor Group, Inc.
Source Address: 1310 Dividend Road, Fort Wayne, Indiana 46808
FESOP Permit No.: F003-36584-00217

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:

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

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT

Source Name: StonCor Group, Inc.
Source Address: 1310 Dividend Road, Fort Wayne, Indiana 46808
FESOP Permit No.: F003-36584-00217

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**) daytime business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-8-12

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:

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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: _____

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

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

Source Name: StonCor Group, Inc.
Source Address: 1310 Dividend Road, Fort Wayne, Indiana 46808
FESOP Permit No.: F003-36584-00217

Months: _____ to _____ Year: _____

This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B -Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C-General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

□ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

□ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

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

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

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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: _____

Indiana Department of Environmental Management
Office of Air Quality

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

Source Description and Location

Source Name:	**StonCor Group, Inc.**
Source Location:	**1310 Dividend Road, Fort Wayne, IN 46808**
County:	**Allen**
SIC Code:	**1446 (Industrial Sand), 3272 (Concrete Products, Except Block and Brick)**
Operation Permit No.:	**F003-36584-00217**
Operation Permit Issuance Date:	**August 23, 2016**
Significant Permit Revision No.:	**003-40570-00217**
Permit Reviewer:	**Donald McQuigg**

Existing Approvals

The source was issued FESOP Renewal No. F003-36584-00217 on August 23, 2016. The source has since received the following approval:

(a) FESOP Significant Permit Revision No.: 003-39260-00217, issued on May 16, 2018.

County Attainment Status

The source is located in Allen County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard.[1]
$PM_{2.5}$	Unclassifiable or attainment effective April 5, 2005, for the annual $PM_{2.5}$ standard.
$PM_{2.5}$	Unclassifiable or attainment effective December 13, 2009, for the 24-hour $PM_{2.5}$ standard.
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.
[1]Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.	

(a) Ozone Standards

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

(b) $PM_{2.5}$
Allen County has been classified as attainment for $PM_{2.5}$. Therefore, direct $PM_{2.5}$, SO_2, and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

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

Fugitive Emissions

Since this type of operation is not one (1) of the twenty-eight (28) listed source categories under 326 IAC 2-2-1(ff)(1), 326 IAC 2-3-2(g), or 326 IAC 2-7-1(22)(B), and there is no applicable New Source Performance Standard or National Emission Standard for Hazardous Air Pollutants that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Greenhouse Gas (GHG) Emissions

On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146 (available at http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf), the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court's decision. U.S. EPA's guidance states that U.S. EPA will no longer require PSD or Title V permits for sources "previously classified as 'Major' based solely on greenhouse gas emissions."

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

Source Status - Existing Source

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

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Proposed Revision (tons/year)								
	PM[1]	**PM_{10}[1]**	**$PM_{2.5}$[1, 2]**	**SO_2**	**NOx**	**VOC**	**CO**	**Single HAP[3] *hexane***	**Combined HAPs**
Baghouse #1/EU #1	2.89	2.89	2.89	-	-	-	-	-	-
Baghouse #2/EU #2	0.11	0.11	0.11	-	-	-	-	-	-
Felt Bag #3/EU #3	4.10	4.10	4.10	-	-	-	-	-	-
Baghouse #4/EU #4	1.64	1.64	1.64	-	-	-	-	-	-

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Proposed Revision (tons/year)								
	PM[1]	**PM_{10}[1]**	**$PM_{2.5}$[1, 2]**	**SO_2**	**NO_X**	**VOC**	**CO**	**Single HAP[3] *hexane***	**Combined HAPs**
Cartridge Filter #6/EU #6	48.18	48.18	48.18	-	-	-	-	-	-
Cartridge Filter #7/EU #7	2.41	2.41	2.41	-	-	-	-	-	-
Baghouse #8/EU #8	0.43	0.43	0.43	-	-	-	-	-	-
Baghouse #9/EU #9, EU #10, and EU #11	2.36	2.36	2.36	-	-	-	-	-	-
Baghouse #10/ EU #7, EU #8, and EU #12	2.36	2.36	2.36	-	-	-	-	-	-
Baghouse #11/ EU #13	0.18	0.18	0.18	-	-	-	-	-	-
Baghouse #12/EU #15	2.89	2.89	2.89	-	-	-	-	-	-
Baghouse #13/ EU #5B	2.05	2.05	2.05	-	-	-	-	-	-
Baghouse #5/ EU #5B	2.05	2.05	2.05	-	-	-	-	-	-
Baghouse #14/ EU #18	1.20	1.20	1.20	-	-	-	-	-	-
Pigment packaging line/IS4	0.04	0.04	0.04	-	-	-	-	-	-
Natural gas combustion	0.008	0.033	0.033	0.122	0.429	0.024	0.36	0.008	0.008
Total PTE of Entire Source	87.58	87.60	87.60	0.122	0.429	0.024	0.36	0.008	0.008
Title V Major Source Thresholds	-	100	100	100	100	100	100	10	25
PSD Major Source Thresholds	250	250	250	250	250	250	250	-	-

[1]Under the Part 70 Permit program (40 CFR 70), PM_{10} and $PM_{2.5}$, not particulate matter (PM), are each considered as a "regulated air pollutant."
[2]$PM_{2.5}$ listed is direct $PM_{2.5}$.
[3]Single highest source-wide HAP.

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

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

(c) These emissions are based on the ATSD of FESOP SPR No.: 003-39260-00217, issued on May 16, 2018.

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by StonCor Group, Inc. on October 9, 2018 relating to the construction of a new sand screener. The following is a description of the new emission unit:

(a) One (1) sand screener, identified as EU #19, approved in 2018 for construction, with a maximum throughput of 10,500 pounds of sand per hour, using baghouse #13 as control, and exhausting indoors.

"Integral Part of the Process" Determination

As part of FESOP No. 003-10697-00217, issued on April 27, 2000, IDEM, OAQ previously determined that baghouses #1, #2, #4, #8, #9, and #10 are an integral part of the processes that use pneumatic conveyance equipment.

IDEM, OAQ is not re-evaluating the justifications at this time. As a result, the baghouses (#1, #2, #4, #8, #9, and #10) will continue to be considered as an integral part of the processes that use pneumatic conveyance equipment. The permitting level, 326 IAC 2-2 (PSD) applicability, and 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) applicability will be determined using the potential to emit after the baghouses. Operating conditions in the proposed permit will specify that these baghouses shall operate at all times when the pneumatic transfer processes are in operation.

Enforcement Issues

There are no pending enforcement actions related to this revision.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – FESOP Significant Permit Revision

The following table is used to determine the appropriate permit level under 326 IAC 2-8-11.1 (Permit Revisions). This table reflects the PTE before controls of the proposed revision. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/ Emission Unit	PTE of Proposed Revision (tons/year)								
	PM[1]	**PM_{10}[1]**	**$PM_{2.5}$[1, 2]**	**SO_2**	**NO_X**	**VOC**	**CO**	**Single HAP[3]**	**Combined HAPs**
EU #19/Baghouse 13	50.59	50.59	50.59	-	-	-	-	-	-
Total PTE of Revision	**50.59**	**50.59**	**50.59**	**-**	**-**	**-**	**-**	**-**	**-**

[1]Under the Part 70 Permit program (40 CFR 70), PM_{10} and $PM_{2.5}$, not particulate matter (PM), are each considered as a "regulated air pollutant."
[2]$PM_{2.5}$ listed is direct $PM_{2.5}$.
[3]Single highest source-wide HAP.

Appendix A of this TSD reflects the potential emissions of the proposed revision in detail.

Pursuant to 326 IAC 2-8-11.1(f)(1)(E), this FESOP is being revised through a FESOP Significant Permit Revision because the proposed revision is not an Administrative Amendment or Minor Permit revision

and the proposed revision involves the construction of new emission units with potential to emit greater than or equal to twenty-five (25) tons per year of PM, PM_{10}, and direct $PM_{2.5}$, each.

Pursuant to 326 IAC 2-8-11.1(f), this FESOP is being revised through a FESOP Significant Permit Revision because the proposed revision is not an Administrative Amendment or Minor Permit revision and the proposed revision involves adjusting FESOP and PSD minor limits.

PTE of the Entire Source After Issuance of the FESOP Revision

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

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Revision (tons/year)								
	PM[1]	**PM_{10}[1]**	**$PM_{2.5}$[1, 2]**	**SO_2**	**NO_X**	**VOC**	**CO**	**Single HAP[3] *hexane***	**Combined HAPs**
Baghouse #1/EU #1	2.89	2.89	2.89	-	-	-	-	-	-
Baghouse #2/EU #2	0.11	0.11	0.11	-	-	-	-	-	-
Felt Bag #3/EU #3	~~4.10~~ **12.29**	~~4.10~~ **12.29**	~~4.10~~ **12.29**	-	-	-	-	-	-
Baghouse #4/EU #4	1.64	1.64	1.64	-	-	-	-	-	-
Cartridge Filter #6/EU #6	~~48.18~~ **7.23**	~~48.18~~ **7.23**	~~48.18~~ **7.23**	-	-	-	-	-	-
Cartridge Filter #7/EU #7	~~2.41~~ **7.23**	~~2.41~~ **7.23**	~~2.41~~ **7.23**	-	-	-	-	-	-
Baghouse #8/EU #8	0.43	0.43	0.43	-	-	-	-	-	-
Baghouse #9/EU #9, EU #10, and EU #11	2.36	2.36	2.36	-	-	-	-	-	-
Baghouse #10/ EU #7, EU #8, and EU #12	2.36	2.36	2.36	-	-	-	-	-	-
Baghouse #11/ EU #13	~~0.18~~ **0.54**	~~0.18~~ **0.54**	~~0.18~~ **0.54**	-	-	-	-	-	-
Baghouse #12/EU #15	~~2.89~~ **8.67**	~~2.89~~ **8.67**	~~2.89~~ **8.67**	-	-	-	-	-	-
Baghouse #13/ EU #5B **and EU #19**	~~2.05~~ **13.73**	~~2.05~~ **13.73**	~~2.05~~ **13.73**	-	-	-	-	-	-
Baghouse #5/ EU #5B	~~2.05~~ **6.14**	~~2.05~~ **6.14**	~~2.05~~ **6.14**	-	-	-	-	-	-
Baghouse #14/ EU #18	~~1.20~~ **3.61**	~~1.20~~ **3.61**	~~1.20~~ **3.61**	-	-	-	-	-	-
Pigment packaging line/IS4	~~0.04~~ **3.83**	~~0.04~~ **3.83**	~~0.04~~ **3.83**	-	-	-	-	-	-
Natural gas combustion	0.008	0.033	0.033	0.122	0.429	0.024	0.36	0.008	0.008
Total PTE of Entire Source	73.07	73.10	73.10	0.122	0.429	0.024	0.36	0.008	0.008
Title V Major Source Thresholds	-	100	100	100	100	100	100	10	25

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Revision (tons/year)								
	PM[1]	**PM_{10}[1]**	**$PM_{2.5}$[1, 2]**	**SO_2**	**NO_X**	**VOC**	**CO**	**Single HAP[3] *hexane***	**Combined HAPs**
PSD Major Source Thresholds	250	250	250	250	250	250	250	-	-

[1]Under the Part 70 Permit program (40 CFR 70), PM_{10} and $PM_{2.5}$, not particulate matter (PM), are each considered as a "regulated air pollutant."
[2]$PM_{2.5}$ listed is direct $PM_{2.5}$.
[3]Single highest source-wide HAP.

The table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units. (Note: the table below was generated from the above table, with bold text un-bolded and strikethrough text deleted).

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Revision (tons/year)								
	PM[1]	**PM_{10}[1]**	**$PM_{2.5}$[1, 2]**	**SO_2**	**NO_X**	**VOC**	**CO**	**Single HAP[3] *hexane***	**Combined HAPs**
Baghouse #1/EU #1	2.89	2.89	2.89	-	-	-	-	-	-
Baghouse #2/EU #2	0.11	0.11	0.11	-	-	-	-	-	-
Felt Bag #3/EU #3	12.29	12.29	12.29	-	-	-	-	-	-
Baghouse #4/EU #4	1.64	1.64	1.64	-	-	-	-	-	-
Cartridge Filter #6/EU #6	7.23	7.23	7.23	-	-	-	-	-	-
Cartridge Filter #7/EU #7	7.23	7.23	7.23	-	-	-	-	-	-
Baghouse #8/EU #8	0.43	0.43	0.43	-	-	-	-	-	-
Baghouse #9/EU #9, EU #10, and EU #11	2.36	2.36	2.36	-	-	-	-	-	-
Baghouse #10/ EU #7, EU #8, and EU #12	2.36	2.36	2.36	-	-	-	-	-	-
Baghouse #11/ EU #13	0.54	0.54	0.54	-	-	-	-	-	-
Baghouse #12/EU #15	8.67	8.67	8.67	-	-	-	-	-	-
Baghouse #13/ EU #5B and EU #19	13.73	13.73	13.73	-	-	-	-	-	-
Baghouse #5/ EU #5B	6.14	6.14	6.14	-	-	-	-	-	-
Baghouse #14/ EU #18	3.61	3.61	3.61	-	-	-	-	-	-
Pigment packaging line/IS4	3.83	3.83	3.83	-	-	-	-	-	-
Natural gas combustion	0.008	0.033	0.033	0.12	0.43	0.02	0.36	0.008	0.008

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Revision (tons/year)								
	PM[1]	**PM_{10}[1]**	**$PM_{2.5}$[1, 2]**	**SO_2**	**NO_X**	**VOC**	**CO**	**Single HAP[3] *hexane***	**Combined HAPs**
Total PTE of Entire Source	73.07	73.10	73.10	0.12	0.43	0.02	0.36	0.008	0.008
Title V Major Source Thresholds	-	100	100	100	100	100	100	10	25
PSD Major Source Thresholds	250	250	250	250	250	250	250	-	-

[1]Under the Part 70 Permit program (40 CFR 70), PM_{10} and $PM_{2.5}$, not particulate matter (PM), are each considered as a "regulated air pollutant."
[2]$PM_{2.5}$ listed is direct $PM_{2.5}$.
[3]Single highest source-wide HAP.

(a) FESOP Status

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

Criteria Pollutants:

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP) and render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable, the Permittee shall comply with the following emission limits:

Emission Unit ID	Control ID	PM10/PM2.5 Emission Limits (pounds/hour)
Sand Chute Conveying (EU #3)	Felt Bag #3	2.81
Eirich RV-19 receiving bin (EU #6)	Cartridge Filter #6	1.65
Tote Fill Station (EU #7)	Cartridge Filter #7	1.65
Hand Pack Line with Hopper (EU #13)	Baghouse #11	0.12
Fluidized Zone Mixer (EU #15)	Baghouse #12	1.98
Stonclad Bagging/Packaging line (EU #5B and EU #19)	Baghouse #13	3.14
Stonclad Bagging/Packaging line (EU #5B)	Baghouse #5	1.40
Visimax Product Packaging EU #18	Baghouse #14	0.82

Compliance with these limits, combined with the potential to emit PM10 and PM2.5 emissions from all other emission units at this source, shall limit the source-wide total potential to emit of PM10 and PM2.5 to less than one hundred (100) tons per year, each, and shall render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable to this source.

(b) PSD Minor Source – PM

This modification to an existing PSD minor stationary source will not change the PSD minor status because the potential to emit PM from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), the PSD requirements do not apply.

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

Emission Unit ID	Control ID	PM Emission Limits (pounds/hour)
Sand Chute Conveying (EU #3)	Felt Bag #3	2.81
Eirich RV-19 receiving bin (EU #6)	Cartridge Filter #6	1.65
Tote Fill Station (EU #7)	Cartridge Filter #7	1.65
Hand Pack Line with Hopper (EU #13)	Baghouse #11	0.12
Fluidized Zone Mixer (EU #15)	Baghouse #12	1.98
Stonclad Bagging/Packaging line (EU #5B and EU #19)	Baghouse #13	3.14
Stonclad Bagging/Packaging line (EU #5B)	Baghouse #5	1.40
Visimax Product Packaging EU #18	Baghouse #14	0.82

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

(c) PSD Minor Source for all other PSD regulated pollutants other than PM
This modification to a PSD minor stationary source will not change the PSD minor status because the potential to emit of all PSD regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), the PSD requirements do not apply.

Federal Rule Applicability Determination

Due to this proposed revision, federal rule applicability has been reviewed as follows:

New Source Performance Standards (NSPS):

(a) The requirements of New Source Performance Standards (NSPS) Standards of Performance for Nonmetallic Mineral Processing Plants, 40 CFR Part 60.670, Subpart OOO, are not included in this permit revision for the sand screener (EU #19) because, even though sand meets the definition of a nonmetallic mineral, EU #19 is not a facility in a Nonmetallic Mineral Processing plant, as specified in 40 CFR 60.671.

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

National Emission Standards for Hazardous Air Pollutants (NESHAP):

(c) There are no National Emission Standards for Hazardous Air Pollutants (40 CFR Part 63), 326 IAC 14 and 326 IAC 20 included in the permit for this proposed revision.

Compliance Assurance Monitoring (CAM):

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

State Rule Applicability Determination

Due to this revision, state rule applicability has been reviewed as follows:

326 IAC 2-2 (PSD)

PSD applicability is discussed under the Permit Level Determination – PSD section.

PSD Minor Source Limits

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

Emission Unit ID	Control ID	PM Emission Limits (pounds/hour)
Sand Chute Conveying (EU #3)	Felt Bag #3	2.81
Eirich RV-19 receiving bin (EU #6)	Cartridge Filter #6	1.65
Tote Fill Station (EU #7)	Cartridge Filter #7	1.65
Hand Pack Line with Hopper (EU #13)	Baghouse #11	0.12
Fluidized Zone Mixer (EU #15)	Baghouse #12	1.98
Stonclad Bagging/Packaging line (EU #5B and EU #19)	Baghouse #13	3.14
Stonclad Bagging/Packaging line (EU #5B)	Baghouse #5	1.40
Visimax Product Packaging EU #18	Baghouse #14	0.82

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

326 IAC 2-8-4 (FESOP)

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

FESOP PM10/PM2.5 Limits

Pursuant to 326 IAC 2-8-4 (FESOP), and in order to render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable, the Permittee shall comply with the following emission limits:

Emission Unit ID	Control ID	PM10/PM2.5 Emission Limits (pounds/hour)
Sand Chute Conveying (EU #3)	Felt Bag #3	2.81
Eirich RV-19 receiving bin (EU #6)	Cartridge Filter #6	1.65
Tote Fill Station (EU #7)	Cartridge Filter #7	1.65
Hand Pack Line with Hopper (EU #13)	Baghouse #11	0.12
Fluidized Zone Mixer (EU #15)	Baghouse #12	1.98

Stonclad Bagging/Packaging line (EU #5B and EU #19)	Baghouse #13	3.14
Stonclad Bagging/Packaging line (EU #5B)	Baghouse #5	1.40
Visimax Product Packaging EU #18	Baghouse #14	0.82

Compliance with these limits, combined with the potential to emit PM10 and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit of PM10 and PM2.5 to less than one hundred (100) tons per year, each, and shall render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable.

326 IAC 2-6 (Emission Reporting)

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

326 IAC 5-1 (Opacity Limitations)

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:

(1) 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.

(2) 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.

326 IAC 6-4 (Fugitive Dust Emissions Limitations)

Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source 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.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

This source is not subject to the requirements of 326 IAC 6-5 because the source has potential fugitive particulate emissions of less than twenty-five (25) tons per year.

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)

Pursuant to 326 IAC 6.5-1-1(a), this source (located in Allen County) is not subject to the requirements of 326 IAC 6.5 because it is not located in one of the following counties: Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo or Wayne.

<u>Sand Screener (EU #19)</u>

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The proposed revision is not subject to the requirements of 326 IAC 2-4.1 because the unlimited potential to emit of HAPs from the sand screener, identified as EU #19, is less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.

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

Pursuant to 326 IAC 6-3-1(a), the requirements of 326 IAC 6-3-2 are applicable to the sand screener, identified as EU #19, because it is a manufacturing process not exempted from this rule under 326 IAC 6-3-1(b) and is not subject to a particulate matter limitation that is as stringent as

or more stringent than the particulate limitation established in this rule as specified in 326 IAC 6-3-1(c). Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the sand screener, identified as EU #19, shall not exceed 12.5 pounds per hour when operating at a process weight rate of 5.3 tons per hour. The pound per hour limitation was calculated with the following equation:

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

The baghouse shall be in operation at all times the sand screener, identified as EU #19, is in operation in order to comply with this limit.

Compliance Determination and Monitoring Requirements

(a) The Compliance Determination Requirements applicable to this proposed revision are as follows:

(1) There are no new or modified compliance determination requirements included with this revision.

(2) IDEM OAQ has determined that testing of the Baghouse #13 is not required at this time to determine compliance with the PM, PM10, or PM2.5 emission limits. IDEM has the authority to require testing at a later time if necessary to demonstrate compliance with any applicable requirement.

(b) The Compliance Monitoring Requirements applicable to this proposed revision are as follows:

There are no new or modified compliance monitoring requirements included with this revision.

Proposed Changes

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

(1) The following changes are made in Section A.2 and Section D.1 to incorporate the sand screener (EU #19).

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:

Stonclad Process

***

(i) **One (1) sand screener, identified as EU #19, approved in 2018 for construction, with a maximum throughput of 10,500 pounds of sand per hour, using baghouse #13 as control, and exhausting indoors.**

Stonblend/Stonshield Coating Process

(~~i~~**j**) Truck raw material pneumatic conveying into silo #10, with a maximum throughput of 10,000 pounds per hour, controlled by an integral baghouse, identified as Baghouse #9.

(~~j~~**k**) One (1) Eirich RV-19 receiving bin, identified as EU #6, installed in 2014, equipped with a Donaldson CPV-3 bin vent cartridge filter #6, exhausting indoors, with a storage capacity

of 1.25 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(~~k~~**l**) One (1) tote fill station, identified as EU #7, installed in 2014, pneumatic transfer for filling, equipped with a Donaldson CPV-3 bin vent cartridge filter #7 for conveying, exhausting indoors, and the integral Central Dust Collector, identified as Baghouse #10, for filling, exhausting through Stack 10 with a storage capacity of 1.25 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(~~l~~**m**) One (1) Stonshield bagger and receiving bin, identified as EU #8, installed in 2017, pneumatic transfer, equipped with an integral baghouse dust collector, identified as Baghouse #8, exhausting through Stack 8, with a storage capacity of 6 tons of sand and a maximum throughput of 4,500 pounds of sand per hour.

(~~m~~**n**) One (1) white silica receiving silo, identified as EU #9, installed in 1987, pneumatic transfer, equipped with the integral Stonshield Central Dust Collector, identified as Baghouse #9, exhausting through Stack 9, with a storage capacity of 52 tons of sand and a maximum throughput of 4,500 pounds of sand per hour.

(~~n~~**o**) One (1) raw material receiving silo, identified as EU #10, installed in 1987, equipped with the integral Stonshield Central Dust Collector, identified as Baghouse #9, exhausting through Stack 9, with a storage capacity of 63 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(~~o~~**p**) One (1) Stonshield blender, one (1) Stonshield weigh hopper and three (3) tote stations, collectively identified as EU #11, installed in 1987, pneumatic transfer, equipped with the integral Stonshield Central Dust Collector, identified as Baghouse #9, exhausting through Stack 9, with a storage capacity of 2.4 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(~~p~~**q**) One (1) pneumatic conveying/transfer system from silo #10 into raw material Transporter, EU #12, controlled by an integral baghouse, identified as Baghouse #10, with a maximum throughput of 10,000 pounds per hour.

(~~q~~**r**) One (1) Stonshield screening, Eirich surge hopper and raw material transporter, collectively identified as EU #12, installed in 1987, equipped with the integral Central Dust Collector, identified as Baghouse #10, exhausting through Stack 10, with a maximum throughput of 10,000 pounds of sand per hour.

(~~r~~**s**) One (1) conveying system from Transporter, EU #12 into Eirich RV19 Receiving Bin, EU #6, installed in 2013, controlled by Cartridge filter #6, with a maximum throughput of 10,000 pounds per hour.

(~~s~~**t**) One (1) product pneumatic conveying from Screening EU #12 to Surge Hopper EU #12, controlled by an integral baghouse, identified as Baghouse #10 with a maximum throughput of 10,000 pounds per hour.

(~~t~~**u**) One (1) hand pack line with hopper bin, identified as EU #13, installed in 1997, equipped with a baghouse dust collector, identified as Baghouse #11, exhausting through Stack 11, with a storage capacity of 2.4 tons of sand and a maximum throughput of 750 pounds of sand per hour.

(~~u~~**v**) One (1) conveying system from Eirich RV-19 Receiving Bin, EU #6 into one (1) fluidized zone mixer, identified as EU #15, installed in 1999, equipped with a baghouse dust collector, identified as Baghouse #12, exhausting through Stack 12, with a maximum throughput of 12,000 pounds of aggregate, pigment and polymer dispersion per hour .

Visimax Process

(~~v~~**w**) Visimax packaging line, identified as EU #18, including a scale, receiving bin, sealer, and conveyor, installed in 2009, with a maximum throughput of 5,000 pounds per hour, using baghouse #14 as control, and exhausting indoors.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Stonclad Process

***

(i) **One (1) sand screener, identified as EU #19, approved in 2018 for construction, with a maximum throughput of 10,500 pounds of sand per hour, using baghouse #13 as control, and exhausting indoors.**

Stonblend/Stonshield Coating Process

(**i~~j~~**) Truck raw material pneumatic conveying into silo #10, with a maximum throughput of 10,000 pounds per hour, controlled by an integral baghouse, identified as Baghouse #9.

(**j~~k~~**) One (1) Eirich RV-19 receiving bin, identified as EU #6, installed in 2014, equipped with a Donaldson CPV-3 bin vent cartridge filter #6, exhausting indoors, with a storage capacity of 1.25 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(**k~~l~~**) One (1) tote fill station, identified as EU #7, installed in 2014, pneumatic transfer for filling, equipped with a Donaldson CPV-3 bin vent cartridge filter #7 for conveying, exhausting indoors, and the integral Central Dust Collector, identified as Baghouse #10, for filling, exhausting through Stack 10 with a storage capacity of 1.25 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(~~l~~**m**) One (1) Stonshield bagger and receiving bin, identified as EU #8, installed in 2017, pneumatic transfer, equipped with–an integral baghouse dust collector, identified as Baghouse #8, exhausting through Stack 8, with a storage capacity of 6 tons of sand and a maximum throughput of 4,500 pounds of sand per hour.

(~~m~~**n**) One (1) white silica receiving silo, identified as EU #9, installed in 1987, pneumatic transfer, equipped with the integral Stonshield Central Dust Collector, identified as Baghouse #9, exhausting through Stack 9, with a storage capacity of 52 tons of sand and a maximum throughput of 4,500 pounds of sand per hour.

(~~n~~**o**) One (1) raw material receiving silo, identified as EU #10, installed in 1987, equipped with the integral Stonshield Central Dust Collector, identified as Baghouse #9, exhausting through Stack 9, with a storage capacity of 63 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(~~o~~**p**) One (1) Stonshield blender, one (1) Stonshield weigh hopper and three (3) tote stations, collectively identified as EU #11, installed in 1987, pneumatic transfer, equipped with the integral Stonshield Central Dust Collector, identified as Baghouse #9, exhausting through Stack 9, with a storage capacity of 2.4 tons of sand and a maximum throughput of 10,000 pounds of sand per hour.

(~~p~~**q**) One (1) pneumatic conveying/transfer system from silo #10 into raw material Transporter, EU #12, controlled by an integral baghouse, identified as Baghouse #10, with a maximum throughput of 10,000 pounds per hour.

(~~q~~**r**) One (1) Stonshield screening, Eirich surge hopper and raw material transporter, collectively identified as EU #12, installed in 1987, equipped with the integral Central Dust Collector, identified as Baghouse #10, exhausting through Stack 10, with a maximum throughput of 10,000 pounds of sand per hour.

(~~r~~**s**) One (1) conveying system from Transporter, EU #12 into Eirich RV19 Receiving Bin, EU #6, installed in 2013, controlled by Cartridge filter #6, with a maximum throughput of 10,000 pounds per hour.

(~~s~~**t**) One (1) product pneumatic conveying from Screening EU #12 to Surge Hopper EU #12, controlled by an integral baghouse, identified as Baghouse #10 with a maximum throughput of 10,000 pounds per hour.

(~~t~~**u**) One (1) hand pack line with hopper bin, identified as EU #13, installed in 1997, equipped with a baghouse dust collector, identified as Baghouse #11, exhausting through Stack 11, with a storage capacity of 2.4 tons of sand and a maximum throughput of 750 pounds of sand per hour.

(~~u~~**v**) One (1) conveying system from Eirich RV-19 Receiving Bin, EU #6 into one (1) fluidized zone mixer, identified as EU #15, installed in 1999, equipped with a baghouse dust collector, identified as Baghouse #12, exhausting through Stack 12, with a maximum throughput of 12,000 pounds of aggregate, pigment and polymer dispersion per hour .

Visimax Process

(~~v~~**w**) Visimax packaging line, identified as EU #18, including a scale, receiving bin, sealer, and conveyor, installed in 2009, with a maximum throughput of 5,000 pounds per hour, using baghouse #14 as control, and exhausting indoors.

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

D.1.1 FESOP and Prevention of Significant Deterioration (PSD) Minor Limitations [326 IAC 2-8-4] [326 IAC 2-2]]

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP) and in order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the source shall comply with the following PM, PM10 and PM2.5 emission limits:

Emission Unit ID	Baghouse ID	PM/PM10/PM2.5 Emission Limits (pounds/hour)
***	***	***
Stonclad Bagging/Packaging line (EU #5B **and EU #19**)	Baghouse #13	~~0.47~~ **1.05**
Stonclad Bagging/Packaging line (EU #5B)	Baghouse #5	0.47
Visimax Product Packaging EU #18	Baghouse #14	0.28

***

D.1.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2**(e)** (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from the following emission units shall not exceed the pound per hour limits specified in the following table:

Process/Emission Unit	Process Weight Rate (tons/hour)	Particulate Emission Limits (pounds/hour)
***	***	***
Sand Screener (EU #19)	**5.3**	**12.5**
Visimax (EU #18)	2.5	7.6

***

D.1.6 Parametric Monitoring

(a) The Permittee shall record the pressure drop across the baghouses/control used in conjunction with the corresponding units, at least once per day, when the corresponding units are in operation:

Control ID	**Emission Unit**	**Pressure Drop Range**
***	***	***
Baghouse 13	Stonclad Bagging/Packaging line (EU #5B **and EU #19**)	0.5 and 6.0 inches
Baghouse #10	Tote fill station (EU #7), Stonshield bagger (EU#8) and receiving bin (EU #12)	0.5 and 5.0 inches
Baghouse #14	Visimax Product Packaging (U #18)	0.5 and 6.0 inches

***

D.1.7 Baghouses/Cartridge Filters Inspections

The Permittee shall perform quarterly inspections of the Felt Bag #3 associated with Sand Chute Conveyor (EU #3); Baghouses #5 and #13 associated with Stonclad Bagging/Packaging Line (EU #5B) **and sand screener (EU #19)**; Baghouse #12 associated with Fluidized Zone Mixer (EU #15); Baghouse #11 associated with the Hand Pack Line (EU #13); Cartridge Filter #6, associated with the Eirich RV-19 Receiving Bin (EU #6); and Cartridge Filter #7 associated with Tote Fill/Product Fill (EU #7) to verify that they are being operated and maintained in accordance with the manufacturer's specifications. Inspections required by this condition shall not be performed in consecutive months. All defective bags **or cartridges** shall be replaced.

Additional Changes

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

(1) The PSD minor limits and FESOP limits are split into two separate conditions for clarity, as follows:

D.1.1 ~~FESOP and~~ Prevention of Significant Deterioration (PSD) Minor Limitations ~~[326 IAC 2-8-4]~~ [326 IAC 2-2]

In order to ~~comply with the requirements of 326 IAC 2-8-4 (FESOP) and in order to~~ render the requirements of 326 IAC 2-2 (PSD) not applicable, the source shall comply with the following PM,

~~PM10 and PM2.5~~ emission limits:

Emission Unit ID	~~Baghouse~~ **Control** ID	PM/~~PM10/PM2.5~~ Emission Limits (pounds/hour)
Sand Chute Conveying (EU #3)	Felt Bag #3	0.94
Eirich RV-19 receiving bin (EU #6)	Cartridge Filter #6	11.00
Tote Fill Station (EU #7)	Cartridge Filter #7	0.55
Hand Pack Line with Hopper (EU #13)	Baghouse #11	0.04
Fluidized Zone Mixer (EU #15)	Baghouse #12	0.66
Stonclad Bagging/Packaging line (EU #5B and EU #19)	Baghouse #13	1.05
Stonclad Bagging/Packaging line (EU #5B)	Baghouse #5	0.47
Visimax Product Packaging EU #18	Baghouse #14	0.28

~~Compliance with these PM_{10} and $PM_{2.5}$ limits, combined with the potential to emit pollutant PM_{10} and $PM_{2.5}$ from all other emission units at this source, shall limit the source-wide total potential to emit pollutant PM_{10} and $PM_{2.5}$ to less than 100 tons per 12 consecutive month period, each, and shall render 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.~~

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

~~Note: These limits satisfy 326 IAC 6-3-2 PM limits in Condition D.1.2.~~

D.1.2 FESOP Limits [326 IAC 2-8-4]

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP), the source shall comply with the following PM10 and PM2.5 emission limits:

Emission Unit ID	**Control ID**	**PM10/PM2.5 Emission Limits (pounds/hour)**
Sand Chute Conveying (EU #3)	**Felt Bag #3**	**0.94**
Eirich RV-19 receiving bin (EU #6)	**Cartridge Filter #6**	**11.00**
Tote Fill Station (EU #7)	**Cartridge Filter #7**	**0.55**
Hand Pack Line with Hopper (EU #13)	**Baghouse #11**	**0.04**
Fluidized Zone Mixer (EU #15)	**Baghouse #12**	**0.66**
Stonclad Bagging/Packaging line (EU #5B and EU #19)	**Baghouse #13**	**1.05**
Stonclad Bagging/Packaging line (EU #5B)	**Baghouse #5**	**0.47**
Visimax Product Packaging EU #18	**Baghouse #14**	**0.28**

Compliance with these PM_{10} and $PM_{2.5}$ limits, combined with the potential to emit pollutant PM_{10} and $PM_{2.5}$ from all other emission units at this source, shall limit the source-wide total potential to emit pollutant PM_{10} and $PM_{2.5}$ to less than one hundred (100) per year, each, and shall render 326 IAC 2-7 (Part 70 Permits) not applicable.

***

D.1.~~2~~ **3** Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

***

D.1.~~3~~ **4** Preventive Maintenance Plan [326 IAC 2-8-4(9)]

***

D.1.~~5~~ **6** Parametric Monitoring

***

D.1.~~6~~**7** Baghouses/Cartridge Filters Inspections

***

D.1.~~7~~**8** Broken or Failed Bag Detection

***

D.1.~~8~~**9** Record Keeping Requirements

(a) To document the compliance status with Condition D.1.~~5~~ **6** - Parametric Monitoring, the Permittee shall maintain records once per day of the pressure drop. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g., the process did not operate that day).

(b) To document the compliance status with Condition D.1.~~6~~ **7** - Baghouses/Cartridge Filters Inspections, the Permittee shall maintain records of the **dates and** results of the inspections required under Condition D.1.~~6~~ **7** - Baghouses/Cartridge Filters Inspection.

***

D.1.~~2~~ **3** Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

(a) Pursuant to 326 IAC 6-3-2**(e)** (Particulate Emission Limitations for Manufacturing Processes), the ~~allowable~~ particulate emission**s** ~~rate~~ from the following emission unit~~s~~ shall not exceed the ~~rates~~ **pound per hour limit** specified in the following table:

Unit	Emission Unit~~s~~ #	Process Weight Rate (tons/hour)	~~Allowable~~ Particulate Emission ~~Rate~~ **Limit** (pounds/hour)
pigment packaging line	IS4	1.25	4.80

~~(b)~~ The pounds per hour limitation~~s~~ w~~ere~~**as** calculated using the following equation:

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

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

(2) A calculation error of the limited particulate emissions for EU #6/Cartridge Filter #6 in FESOP SPR No. 003-39260-00217, issued on May 16, 2018, is corrected in this revision. The

PM/PM10/PM2.5 emission limits for all the non-integral control devices are revised using the corrected EU #6/Cartridge Filter #6 emissions and assuming a control efficiency of 85%.

D.1.1 Prevention of Significant Deterioration (PSD) Minor Limitations [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the source shall comply with the following PM emission limits:

Emission Unit ID	Control ID	PM Emission Limits (pounds/hour)
Sand Chute Conveying (EU #3)	Felt Bag #3	~~0.94~~ **2.81**
Eirich RV-19 receiving bin (EU #6)	Cartridge Filter #6	~~11.00~~ **1.65**
Tote Fill Station (EU #7)	Cartridge Filter #7	~~0.55~~ **1.65**
Hand Pack Line with Hopper (EU #13)	Baghouse #11	~~0.04~~ **0.12**
Fluidized Zone Mixer (EU #15)	Baghouse #12	~~0.66~~ **1.98**
Stonclad Bagging/Packaging line (EU #5B and EU #19)	Baghouse #13	~~1.05~~ **3.14**
Stonclad Bagging/Packaging line (EU #5B)	Baghouse #5	~~0.47~~ **1.40**
Visimax Product Packaging EU #18	Baghouse #14	~~0.28~~ **0.82**

***

D.1.2 FESOP Limits [326 IAC 2-8-4]

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP), the source shall comply with the following PM10 and PM2.5 emission limits:

Emission Unit ID	Control ID	PM10/PM2.5 Emission Limits (pounds/hour)
Sand Chute Conveying (EU #3)	Felt Bag #3	~~0.94~~ **2.81**
Eirich RV-19 receiving bin (EU #6)	Cartridge Filter #6	~~11.00~~ **1.65**
Tote Fill Station (EU #7)	Cartridge Filter #7	~~0.55~~ **1.65**
Hand Pack Line with Hopper (EU #13)	Baghouse #11	~~0.04~~ **0.12**
Fluidized Zone Mixer (EU #15)	Baghouse #12	~~0.66~~ **1.98**
Stonclad Bagging/Packaging line (EU #5B and EU #19)	Baghouse #13	~~1.05~~ **3.14**
Stonclad Bagging/Packaging line (EU #5B)	Baghouse #5	~~0.47~~ **1.40**
Visimax Product Packaging EU #18	Baghouse #14	~~0.28~~ **0.82**

***

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on October 9, 2018.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed FESOP Significant Permit Revision No. 003-40570-00217. The staff recommends to the Commissioner that this FESOP Significant Permit Revision be approved.

IDEM Contact

(a) If you have any questions regarding this permit, please contact Donald McQuigg, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 234-4240 or (800) 451-6027, and dial extension 317-234-4240.

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

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: http://www.in.gov/idem/airquality/2356.htm; and the Citizens' Guide to IDEM on the Internet at: http://www.in.gov/idem/6900.htm.

Appendix A: Emissions Calculations
Emissions Summary

Company Name: StonCor Group, Inc.
Source Address: 1310 Dividend Road, Fort Wayne, IN 46808
FESOP SPR No.: 003-40570-00217
Reviewer: Donald McQuigg

		Uncontrolled Potential to Emit before Integral Controls (tons/year)									
Stack Exhaust ID	**Emission Unit ID**	**PM**	**PM10**	**PM2.5**	**SO_2**	**NO_X**	**VOC**	**CO**	**Combined HAPs**	**Worst Single HAP**	
Baghouse #1	EU #1	144.54	144.54	144.54	-	-	-	-	-	-	-
Baghouse #2	EU #2	5.30	5.30	5.30	-	-	-	-	-	-	-
Felt Bag #3	EU #3	81.91	81.91	81.91	-	-	-	-	-	-	-
Baghouse #4	EU #4	81.91	81.91	81.91	-	-	-	-	-	-	-
Cartridge Filter #6	EU #6	48.18	48.18	48.18	-	-	-	-	-	-	-
Cartridge Filter #7	EU #7	48.18	48.18	48.18	-	-	-	-	-	-	-
Baghouse #8	EU #8	21.68	21.68	21.68	-	-	-	-	-	-	-
Baghouse #9	EU #9, 10, and	118.04	118.04	118.04	-	-	-	-	-	-	-
Baghouse #10	EU #7, 8, and 12	118.04	118.04	118.04	-	-	-	-	-	-	-
Baghouse #11	EU #13	3.61	3.61	3.61	-	-	-	-	-	-	-
Baghouse #12	EU #15	57.82	57.82	57.82	-	-	-	-	-	-	-
Baghouse #13	EU #5B and #19	91.54	91.54	91.54	-	-	-	-	-	-	-
Baghouse #5	EU #5B	40.95	40.95	40.95	-	-	-	-	-	-	-
Baghouse #14	EU #18	24.09	24.09	24.09	-	-	-	-	-	-	-
Natural Gas Combuston	Blower	0.008	0.033	0.033	0.122	0.429	0.024	0.36	0.008	0.008	Hexane
Pigment packaging line	IS4	3.83	3.83	3.83	-	-	-	-	-	-	-
Total		889.63	889.65	889.65	0.12	0.43	0.02	0.36	0.008	0.008	Hexane

		Uncontrolled Potential to Emit after Integral Controls* (tons/year)									
Stack Exhaust ID	**Emission Unit ID**	**PM**	**PM10**	**PM2.5**	**SO_2**	**NO_X**	**VOC**	**CO**	**Combined HAPs**	**Worst Single HAP**	
Baghouse #1	EU #1	2.89	2.89	2.89	-	-	-	-	-	-	-
Baghouse #2	EU #2	0.11	0.11	0.11	-	-	-	-	-	-	-
Felt Bag #3	EU #3	81.91	81.91	81.91	-	-	-	-	-	-	-
Baghouse #4	EU #4	1.64	1.64	1.64	-	-	-	-	-	-	-
Cartridge Filter #6	EU #6	48.18	48.18	48.18	-	-	-	-	-	-	-
Cartridge Filter #7	EU #7	48.18	48.18	48.18	-	-	-	-	-	-	-
Baghouse #8	EU #8	0.43	0.43	0.43	-	-	-	-	-	-	-
Baghouse #9	EU #9, 10, and 11	2.36	2.36	2.36	-	-	-	-	-	-	-
Baghouse #10	EU #7, 8, and 12	2.36	2.36	2.36	-	-	-	-	-	-	-
Baghouse #11	EU #13	3.61	3.61	3.61	-	-	-	-	-	-	-
Baghouse #12	EU #15	57.82	57.82	57.82	-	-	-	-	-	-	-
Baghouse #13	EU #5B and #19	91.54	91.54	91.54	-	-	-	-	-	-	-
Baghouse #5	EU #5B	40.95	40.95	40.95	-	-	-	-	-	-	-
Baghouse #14	EU #18	24.09	24.09	24.09	-	-	-	-	-	-	-
Natural Gas Combuston	Blower	0.008	0.033	0.033	0.12	0.43	0.02	0.36	0.008	0.008	Hexane
Pigment packaging line	IS4	3.83	3.83	3.83	-	-	-	-	-	-	-
Total		409.91	409.94	409.94	0.12	0.43	0.02	0.36	0.008	0.008	Hexane

*Source-Wide Permitting Level PTE includes PTE after the integral control plus PTE before control for non-integral controls.

Appendix A: Emissions Calculations
Emissions Summary

Company Name: StonCor Group, Inc.
Source Address: 1310 Dividend Road, Fort Wayne, IN 46808
FESOP SPR No.: 003-40570-00217
Reviewer: Donald McQuigg

		Limited Potential to Emit after Integral Controls (tons/year)									
Stack Exhaust ID	**Emission Unit ID**	**PM**	**PM10**	**PM2.5**	**SO_2**	**NO_X**	**VOC**	**CO**	**Combined HAPs**	**Worst Single HAP**	
Baghouse #1	EU #1	2.89	2.89	2.89	-	-	-	-	-	-	-
Baghouse #2	EU #2	0.11	0.11	0.11	-	-	-	-	-	-	-
Felt Bag #3	EU #3	12.29	12.29	12.29	-	-	-	-	-	-	-
Baghouse #4	EU #4	1.64	1.64	1.64	-	-	-	-	-	-	-
Cartridge Filter #6	EU #6	7.23	7.23	7.23	-	-	-	-	-	-	-
Cartridge Filter #7	EU #7	7.23	7.23	7.23	-	-	-	-	-	-	-
Baghouse #8	EU #8	0.43	0.43	0.43	-	-	-	-	-	-	-
Baghouse #9	EU #9, 10, and 11	2.36	2.36	2.36	-	-	-	-	-	-	-
Baghouse #10	EU #7, 8, and 12	2.36	2.36	2.36	-	-	-	-	-	-	-
Baghouse #11	EU #13	0.54	0.54	0.54	-	-	-	-	-	-	-
Baghouse #12	EU #15	8.67	8.67	8.67	-	-	-	-	-	-	-
Baghouse #13	EU #5B and #19	13.73	13.73	13.73	-	-	-	-	-	-	-
Baghouse #5	EU #5B	6.14	6.14	6.14	-	-	-	-	-	-	-
Baghouse #14	EU #18	3.61	3.61	3.61	-	-	-	-	-	-	-
Natural Gas Combuston	Blower	0.008	0.033	0.033	0.12	0.43	0.02	0.36	0.008	0.008	Hexane
Pigment packaging line	IS4	3.83	3.83	3.83	-	-	-	-	-	-	-
Total		73.07	73.10	73.10	0.12	0.43	0.02	0.36	0.008	0.008	Hexane

Appendix A: Emissions Calculations
New Sand Screener (EU #19) PTE PM/PM10/PM2.5

Company Name: StonCor Group, Inc.
Source Address: 1310 Dividend Road, Fort Wayne, IN 46808
FESOP SPR No.: 003-40570-00217
Reviewer: Donald McQuigg

Stack Exhaust ID	Unit ID	Max Raw Material Throughput		Controlled EF** PM/PM10/PM2.5	Uncontrolled EF PM/PM10/PM2.5	Controlled PM/PM10/PM2.5 PTE at 98%		Uncontrolled PM/PM10/PM2.5 PTE		Controlled/Limited PM/PM10/PM2.5 PTE at 85% Control		Process Weight Rate	326 IAC 6-3-2 Limit
		lb/hr	tpy	(lb/1,000 lbs) Based on 98%	lb/1,000 lbs	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr	tons/hr	lb/hr
Baghouse 13*	EU #19	10,500	45,990	0.0220	1.1000	0.23	1.01	11.55	50.59	0.58	2.53	5.3	12.5
Baghouse 13*	EU #5B	8,500	37,230	0.0220	1.1000	0.19	0.82	9.35	40.95	0.47	2.05	4.3	10.8
			TOTAL			0.42	1.83	20.90	91.54	**1.05**	**4.58**	9.5	18.5

Permitting Level*	**50.59**

*Considering revised emissions of Baghouse 13 due to adding EU #19.

Limited Revised PM/PM10/PM2.5 limitations to accommodate EU #19 at Baghouse 13.

The source is capable of processing multiple material throughputs, however the smallest size material is equivalent in size to talc. Therefore, the emission factors from AP-42, Chapter 11.26, Table 11.26-1 for talc processing were used; **worst-case emission factor for processing of talc is used this source.

AP-42 emission factor provided includes control by a fabric filter.

AP-42 EF assumed control efficiency is: 98%

Limits based on assumed control efficiency: 95%

Methodology:

Uncontrolled emission Factor is calculated by assuming a control efficiency of 98% through the fabric filter and dividing the controlled emission factor by (1-control efficiency)

PM=PM10=PM2.5

Appendix A: Emissions Calculations

Stonclad and Stonblend Process PTE PM/PM10/PM2.5*

Company Name: **StonCor Group, Inc.**
Source Address: **1310 Dividend Road, Fort Wayne, IN 46808**
FESOP SPR No.: **003-40570-00217**
Reviewer: **Donald McQuigg**

Stack Exhaust ID	Unit ID	Max Raw Material Throughput		Controlled EF** PM/PM10/PM2.5	Uncontrolled EF PM/PM10/ PM2.5	Controlled PM/PM10/PM2.5 PTE at 98%		Uncontrolled PM/PM10/PM2.5 PTE		Integral Controlled/Limited PM/PM10/PM2.5 PTE at 85% Control		Process Weight Rate	326 IAC 6-3-2 Limit
		lb/hr	tpy	(lb/1,000 lbs) Based on 98% Control	lb/1,000 lbs	lb/hr	tons/yr	lb/hr	tons/yr	lb/hr	tons/yr	tons/hr	lb/hr
Baghouse #1	EU #1	30,000	131,400	0.0220	1.1000	0.66	2.89	33.00	144.54	0.66	2.89	15.0	25.2
Baghouse #2	EU #2	1,100	4,818	0.0220	1.1000	0.02	0.11	1.21	5.30	0.02	0.11	0.6	2.7
Felt Bag #3	EU #3	17,000	74,460	0.0220	1.1000	0.37	1.64	18.70	81.91	2.81	12.29	8.5	17.2
Baghouse #4	EU #4	17,000	74,460	0.0220	1.1000	0.37	1.64	18.70	81.91	0.37	1.64	8.5	17.2
Cartridge Filter #6	EU #6	10,000	43,800	0.0220	1.1000	0.22	0.96	11.00	48.18	1.65	7.23	5.0	12.1
Cartridge Filter #7	EU #7	10,000	43,800	0.0220	1.1000	0.22	0.96	11.00	48.18	1.65	7.23	5.0	12.1
Baghouse #8	EU #8	4,500	19,710	0.0220	1.1000	0.10	0.43	4.95	21.68	0.10	0.43	2.3	7.1
Baghouse #9	EU #9, 10, and 11	24,500	107,310	0.0220	1.1000	0.54	2.36	26.95	118.04	0.54	2.36	12.3	22.0
Baghouse #10	EU #7, 8, and 12	24,500	107,310	0.0220	1.1000	0.54	2.36	26.95	118.04	0.54	2.36	12.3	22.0
Baghouse #11	EU #13	750	3,285	0.0220	1.1000	0.02	0.07	0.82	3.61	0.12	0.54	0.4	2.1
Baghouse #12	EU #15	12,000	52,560	0.0220	1.1000	0.26	1.16	13.20	57.82	1.98	8.67	6.0	13.6
Baghouse #13	EU #5B and #19	19,000	83,220	0.0220	1.1000	0.42	1.83	20.90	91.54	3.14	13.73	9.5	18.5
Baghouse #5	EU #5B	8,500	37,230	0.0220	1.1000	0.19	0.82	9.35	40.95	1.40	6.14	4.3	10.8
Baghouse #14	EU #18	5,000	21,900	0.0220	1.1000	0.11	0.48	5.50	24.09	0.82	3.61	2.5	7.6
					TOTAL	4.04	17.72	202.24	885.79	15.81	**69.23**		

Process PTE Permitting Level*	**406.07**
Limited PTE*	**69.23**

*Considering Integral Controls - baghouses #1, #2, #4, #8, #9 and #10

Integral	Integral control baghouses will not require PM/PM10/PM2.5 limitations.
Limited	Baghouses that are not integral require PM/PM10/PM2.5 limitations.

The source is capable of processing multiple material throughputs, however the smallest sized is equivalent to talc. Therefore, the emission factors from AP-42, Chapter 11.26, Table 11.26-1 for talc processing were used; **worst-case emission factor for processing of talc is used for this source.
AP-42 emission factor provided includes control by a fabric filter.
AP-42 EF assumed control efficiency: 98%
Limits based on assumed control efficiency: 85%

Methodology:
PM=PM10=PM2.5
Uncontrolled emission factor is calculated by assuming a control efficiency of 98% through the fabric filter and dividing the AP-42 controlled emission factor by (1-control efficiency)
Process PTE Permitting Level (tons/yr) = process emissions after integral baghouses (tons/yr) + uncontrolled non-integral baghouse process emissions (tons/yr)
Limited PTE (tons/yr) = process emissions after integral baghouses (tons/yr) + limited non-integral baghouse process emissions (tons/yr)

Appendix A: Emissions Calculations
Natural Gas-Fired Hot Air Blower
MM BTU/HR <100

Company Name: **StonCor Group, Inc.**
Source Address: **1310 Dividend Road, Fort Wayne, IN 46808**
FESOP SPR No.: **003-40570-00217**
Reviewer: **Donald McQuigg**

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
1.0	8.588

	Pollutant						
	PM*	PM10*	PM2.5	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	7.6	28.5	100 **see below	5.5	84
Potential Emission in tons/yr	0.008	0.033	0.033	0.122	0.429	0.024	0.361

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology
All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	9.018E-06	5.153E-06	3.221E-04	7.729E-03	1.460E-05

	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	2.147E-06	4.724E-06	6.012E-06	1.632E-06	9.018E-06

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Total HAPs	8.104E-03
Single HAP	7.729E-03

The five highest organic and metal HAPs emission factors are provided above.
Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Appendix A: Insignificant Emissions Calculations
PTE PM/PM10/PM2.5 of Pigment Packaging Line

Company Name: StonCor Group, Inc.
Source Address: 1310 Dividend Road, Fort Wayne, IN 46808
FESOP SPR No.: 003-40570-00217
Reviewer: Donald McQuigg

						Uncontrolled PTE		PTE after Controls		
Process Description	**Unit ID**	**Throughput (Lbs/Hr)**	**PWR (tons/hr)**	**controlled PM EF (lbs/1000 lb material)**	**Primary Control Efficiency**	**PM/PM10/PM2.5 (lbs/hr)**	**PM/PM10/PM2.5 (tons/yr)**	**PM/PM10/PM2.5 (lbs/hr)**	**PM/PM10/PM2.5 (tons/yr)**	**326 IAC 6-3-2 Emission Limit (lbs/hr)***
Pigment packaging line	IS4	2,500	1.25	0.0035	99%	0.875	3.83	0.0088	0.038	4.76
							3.83		**0.04**	

* A control device is not required to meet this limit.

Methodology:

Control device description: cartidge filter

Emission Factor from AP-42, Table 11.26-1

Controlled PM (ton/hr) = (Throughput (lbs/hr)/1000) * EF (lb/1000lb) * 8760 (hr/yr) * 1 ton/2000lb

Uncontrolled PM (ton/hr) = Controlled PM / (1 - Control Efficiency (%))

PM=PM10=PM2.5

Appendix A: Emission Calculations
Fugitive Dust Emissions - Paved Roads

Company Name: StonCor Group, Inc.
Source Address: 1310 Dividend Road, Fort Wayne, IN 46808
FESOP SPR No.: 003-40570-00217
Reviewer: Donald McQuigg

Paved Roads at Industrial Site
The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (1/2011).

Vehicle Informtation (provided by source)

Type	Maximum number of vehicles per day	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Shipping truck (entering plant) (one-way trip)	2.0	1.0	2.0	22.0	44.0	122	0.023	0.05	16.9
Shipping truck (leaving plant) (one-way trip)	2.0	1.0	2.0	22.0	44.0	122	0.023	0.05	16.9
Employee vehicle (round trip)	26.0	2.0	52.0	2.0	104.0	262	0.050	2.6	941.8
		Totals	**56.0**		**192.0**			**2.7**	**975.5**

Average Vehicle Weight Per Trip = 3.4 tons/trip
Average Miles Per Trip = 0.05 miles/trip

Unmitigated Emission Factor, Ef = [k * (sL)^0.91 * (W)^1.02] (Equation 1 from AP-42 13.2.1)

	PM	PM10	PM2.5	
where k =	0.011	0.0022	0.00054	lb/VMT = particle size multiplier (AP-42 Table 13.2.1-1)
W =	3.4	3.4	3.4	tons = average vehicle weight (provided by source)
sL =	9.7	9.7	9.7	g/m^2 =default silt loading value - for paved roads at iron and steel production facilities - Table 13.2.1-3)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, Eext = E * [1 - (p/4N)] (Equation 2 from AP-42 13.2.1)
Mitigated Emission Factor, Eext = Ef * [1 - (p/4N)]
where p = 125 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)
N = 365 days per year

	PM	PM10	PM2.5	
Unmitigated Emission Factor, Ef =	0.306	0.061	0.0150	lb/mile
Mitigated Emission Factor, Eext =	0.279	0.056	0.0137	lb/mile
Dust Control Efficiency =	0%	0%	0%	(pursuant to control measures outlined in fugitive dust control plan)

Process	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)	Controlled PTE of PM2.5 (tons/yr)
Shipping truck (entering plant) (one-way trip)	0.003	0.001	0.0001	0.002	0.0005	0.0001	0.002	0.0005	0.0001
Shipping truck (leaving plant) (one-way trip)	0.003	0.001	0.0001	0.002	0.0005	0.0001	0.002	0.0005	0.0001
Employee vehicle (round trip)	0.14	0.03	0.01	0.13	0.03	0.01	0.13	0.03	0.01
Totals	**0.15**	**0.03**	**0.01**	**0.14**	**0.03**	**0.01**	**0.14**	**0.03**	**0.01**

Methodology
Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip) / [5280 ft/mile]
Maximum one-way miles (miles/day) = [Maximum trips per year (trip/day)] * [Maximum one-way distance (mi/trip)]
Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]
Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]
Unmitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Unmitigated Emission Factor (lb/mile)] * (ton/2000 lbs)
Mitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Mitigated Emission Factor (lb/mile)] * (ton/2000 lbs)
Controlled PTE (tons/yr) = [Mitigated PTE (tons/yr)] * [1 - Dust Control Efficiency]

Abbreviations
PM = Particulate Matter
PM10 = Particulate Matter (<10 um)
PM2.5 = Particle Matter (<2.5 um)
PTE = Potential to Emit

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

December 10, 2018

Lee Bowers
StonCor Group, Inc.
1000 East Park Avenue
Maple Shade, New Jersey 08052

Re: Public Notice
StonCor Group, Inc.
Permit Level: FESOP SPR (Minor PSD)
Permit Number: 003-40570-00217

Dear Mr. Bowers:

Enclosed is a copy of your draft FESOP Significant Permit Revision (Minor PSD), Technical Support Document, emission calculations, and the Public Notice which will be printed in your local newspaper.

The Office of Air Quality (OAQ) has prepared two versions of the Public Notice Document. The abbreviated version will be published in the newspaper, and the more detailed version will be made available on the IDEM's website and provided to interested parties. Both versions are included for your reference. The OAQ has requested that the *Fort Wayne Journal Gazette* in Fort Wayne, Indiana publish the abbreviated version of the public notice no later than December 12, 2018. You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper.

OAQ has submitted the draft permit package to the Allen County Public Library, 2200 Lower Huntington Road in Fort Wayne, Indiana. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Donald McQuigg, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 4-4240 or dial (317) 234-4240.

Sincerely,

John F. Jackson

John F. Jackson
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover Letter 1/9/2017

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Governor

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Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

December 10, 2018

Fort Wayne Journal Gazette
600 West Main Street
P.O. Box 100
Fort Wayne, Indiana 46801

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for StonCor Group, Inc., Allen County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than December 12, 2018.

Please send the invoice, notarized form, clippings showing the date of publication to Bo Liu, at the Indiana Department of Environmental Management, Accounting, Room N1340, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

To ensure proper payment, please reference account # 100174737.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call John Jackson at 800-451-6027 and ask for extension 3-1449 or dial 317-233-1449.

Sincerely,

John F. Jackson

John F. Jackson
Permit Branch
Office of Air Quality

Permit Level: FESOP Significant Permit Revision (Minor PSD)
Permit Number: 003-40570-00217

Enclosure

PN Newspaper Letter 8/22/2018

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Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

December 10, 2018

To: Allen County Public Library

From: Jenny Acker, Branch Chief
Permits Branch
Office of Air Quality

Subject: **Important Information to Display Regarding a Public Notice for an Air Permit**

Applicant Name: StonCor Group, Inc.
Permit Number: 003-40570-00217

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Request to publish the Notice of 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. **Please make this information readily available until you receive a copy of the final package.**

If you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures
PN Library 1/9/2017

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Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

Notice of Public Comment

December 10, 2018
StonCor Group, Inc.
003-40570-00217

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has been placed in the Legal Advertising section of your local newspaper. The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana's Air Permitting Program.

Please Note: *If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure
PN AAA Cover Letter 1/9/2017

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Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

AFFECTED STATE NOTIFICATION OF PUBLIC COMMENT PERIOD
DRAFT INDIANA AIR PERMIT

December 10, 2018

A 30-day public comment period has been initiated for:

Permit Number: **003-40570-00217**
Applicant Name: **StonCor Group, Inc.**
Location: **Fort Wayne, Allen County, Indiana**

The public notice, draft permit and technical support documents can be accessed via the **IDEM Air Permits Online** site at:
http://www.in.gov/ai/appfiles/idem-caats/

Questions or comments on this draft permit should be directed to the person identified in the public notice by telephone or in writing to:

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

Questions or comments regarding this email notification or access to this information from the EPA Internet site can be directed to Chris Hammack at chammack@idem.IN.gov or (317) 233-2414.

Mail Code 61-53

IDEM Staff	JJACKSON 12/10/2018 The StonCor Group, Inc 003-40570-00217 (draft)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee Remarks
1		Lee Bowers The StonCor Group, Inc 1000 E Park Ave Maple Shade NJ 08052 (Source CAATS)									
2		Daniel & Sandy Trimmer 15021 Yellow River Road Columbia City IN 46725 *(Affected Party)*									
3		Duane & Deborah Clark Clark Farms 6973 E. 500 S. Columbia City IN 46725 *(Affected Party)*									
4		Fort Wayne City Council and Mayors Office 200 E Berry Street Ste 120 Fort Wayne IN 46802 *(Local Official)*									
5		Allen County Public Library, Waynedale Branch 2200 Lower Huntington Rd Fort Wayne IN 46819 *(Library)*									
6		Mr. Jeff Coburn Plumbers & Steamfitters, Local 166 2930 W Ludwig Rd Fort Wayne IN 46818-1328 *(Affected Party)*									
7		Roanoke Town Council P.O. Box 328 Roanoke IN 46783 *(Local Official)*									
8		Allen Co. Board of Commissioners 200 E Berry Street Ste 410 Fort Wayne IN 46802 *(Local Official)*									
9		Fort Wayne-Allen County Health Department 200 E Berry St Suite 360 Fort Wayne IN 46802 *(Health Department)*									
10		Lisa Green The Journal Gazette 600 W Main St Fort Wayne IN 46802 *(Affected Party)*									
11											
12											
13											
14											
15											

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