



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding a
Significant Revision to a
Minor Source Operating Permit (MSOP)

for Cimbar Performance Minerals MV, LLC in Posey County

Significant Permit Revision No. 129-31488-00023

The Indiana Department of Environmental Management (IDEM) has received an application from Cimbar Performance Minerals MV, LLC located at 2700 Bluff Road, Mount Vernon, Indiana for a significant revision of its MSOP Renewal issued on November 28, 2007. If approved by IDEM's Office of Air Quality (OAQ), this proposed modification would allow Cimbar Performance Minerals MV, LLC to make certain changes at its existing source. Cimbar Performance Minerals MV, LLC has applied to construct and operate a new twin air jet milling system, consisting of two mills exhausting to one baghouse and two new storage silos exhausting to one baghouse.

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. IDEM has reviewed this application, and has developed preliminary findings, consisting of a draft permit and several supporting documents, that would allow the applicant to make this change.

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

Alexandrian Public Library
115 West 5th Street
Mt. Vernon, Indiana 47620

and

IDEM Southwest Regional Office
1120 N. Vincennes Ave.
Petersburg, IN 47567

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

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 129-31488-00023 in all correspondence.

Comments should be sent to:

Brian Williams
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension (4-5375)
Or dial directly: (317) 234-5375
Fax: (317)-232-6749 attn: Brian Williams
E-mail: bwilliam@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 you can participate, please see IDEM's **Guide for Citizen Participation** and **Permit Guide** on the Internet at: www.idem.in.gov.

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, and the IDEM Southwest Regional Office at the address indicated above.

If you have any questions please contact Brian Williams of my staff at the above address.



Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality



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Mr. Brett Cline
Cimbar Performance Minerals MV, LLC
2700 Bluff Road
Mt. Vernon, IN 47620

Re: 129-31488-00023
Second Significant Revision to
M129-22660-00023

Dear Mr. Cline:

Cimbar Performance Minerals MV, LLC was issued a Minor Source Operating Permit (MSOP) Renewal No. M129-22660-00023 on November 28, 2007 for a stationary talc, barite, and calcium carbonate processing plant located at 2700 Bluff Road, Mount Vernon, Indiana. On February 13, 2012, the Office of Air Quality (OAQ) received an application from the source requesting to construct and operate a new twin air jet milling system, consisting of two mills exhausting to one baghouse and two new storage silos exhausting to one baghouse. Pursuant to the provisions of 326 IAC 2-6.1-6, these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-6.1-6(i). Pursuant to the provisions of 326 IAC 2-6.1-6, a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-6.1-6, this permit shall be revised by incorporating the significant permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Attached please find the entire revised permit.

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

Sincerely,

DRAFT

Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

Attachments: Technical Support Document and revised permit

IC/BMW

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



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DRAFT

Minor Source Operating Permit Renewal OFFICE OF AIR QUALITY

Cimbar Performance Minerals MV, LLC
2700 Bluff Road
Mt. Vernon, Indiana 47620

(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.

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 an MSOP under 326 IAC 2-6.1.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 129-22660-00023	
Original Signed By: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: November 28, 2007 Expiration Date: November 28, 2017

First Notice-Only Change No.: 129-23559-00003, issued October 26, 2006
Second Notice-Only Change No.: 129-25772-00023, issued January 17, 2008
Third Notice-Only Change No.: 129-28690-00023, issued December 3, 2009
Fourth Notice-Only Change No.: 129-29181-00023, issued June 8, 2010
Fifth Notice-Only Change No.: MSOP 129-30446-00023, issued on May 10, 2011
First Significant Permit Revision No.: 129-31043-00023, issued on February 7, 2012

Second Significant Permit Revision No.:129-31488-00023	
Issued By: Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: Expiration Date: November 28, 2017

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SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in Conditions A.1 and A.2 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 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary talc, barite and calcium carbonate processing source.

Source Address:	2700 Bluff Road, Mt. Vernon, Indiana 47620
General Source Phone Number:	812- 838-8330
SIC Code:	3295
County Location:	Posey
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD 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

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

(a) One (1) grinding plant, installed in 1991, exhausted to Stacks A through K and M controlled by twelve (12) baghouses, identified as A through K and M, capacity: 14.0 tons of talc, barite or calcium carbonate per hour, consisting of the following:

- (1) One (1) electric crusher system, manufactured on September 14, 1960, capacity 50.0 tons of ore per hour.
- (2) Two (2) silos, identified as North and South, connected pneumatically to baghouses, identified as B and C, exhausted to Stacks B and C, throughput capacity: 35.0 tons of ore per hour, each.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.

- (3) One (1) roller mill, manufactured in November 1928, connected pneumatically to a baghouse, identified as D, exhausted to Stack D, throughput capacity: 14.0 tons of nonmetallic minerals per hour.
- (4) One (1) classifier #1, connected pneumatically to a baghouse, identified as E, exhausted to Stack E, throughput capacity: 10.0 tons of nonmetallic minerals per hour.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a screening operation and is an affected facility.

- (5) Six (6) silos, identified as Red, Green, Blue, Yellow, Pink and Orange, connected pneumatically to baghouses, identified as F, G, H, I, J and K, exhausted to Stacks F, G, H, I, J and K, respectively, throughput capacity: 14.0 tons of nonmetallic minerals per hour, each.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.

- (6) One (1) impact mill, manufactured on September 10, 1962, connected pneumatically to a baghouse, identified as M, exhausted to Stack M, throughput capacity: 9.0 tons of nonmetallic minerals per hour.

- (b) Four (4) silos, identified as Silo #1, Silo #2, Silo #3 and Silo #4, installed in 1994, connected pneumatically to baghouses, identified as N, O, P and Q, exhausted to Stacks N, O, P and Q, respectively, capacity: 8,313 cubic feet, each, and throughput capacity: 14.0 tons of minerals per hour, each.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.

- (c) Two (2) silos, identified as Silo #5 and Silo #6, installed in 1994, connected pneumatically to baghouses, identified as R and S, exhausted to Stacks R and S, capacity: 6,107 cubic feet, each, and throughput capacity: 14.0 tons of nonmetallic minerals per hour, each.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.

- (d) Five (5) silos, identified as Silo #7, Silo #8, Silo #9, Silo #10 and Silo #11, installed in 1994, connected pneumatically to baghouses, identified as T, U, V, W and X, exhausted to Stacks T, U, V, W and X, respectively, capacity: 11,083 cubic feet, each, and throughput capacity: 14.0 tons of nonmetallic minerals per hour, each.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.

- (e) One (1) hammer mill micronizer, identified as #1 Bepex, manufactured on December 10, 1974, installed in 1994, connected pneumatically to a baghouse, identified as Y, exhausted to Stack Y, capacity: 1.00 ton of nonmetallic minerals per hour.

- (f) One (1) ball mill micronizer, identified as Ball Mill, manufactured on January 25, 1950, connected pneumatically to a baghouse, identified as Z, exhausted to Stack Z, capacity: 7.5 tons of non metallic minerals per hour, two (2) silos, identified as Silo #12 connected pneumatically to a baghouse, identified as AA, throughput capacity: 14.0 tons of nonmetallic minerals per hour, and Silo #13, connected pneumatically to a baghouse, identified as AB, throughput capacity: 35.0 tons of ore per hour, exhausted to Stacks AA and AB, capacity: 6,688 cubic feet, each and one (1) classifier #3, installed in 1994, connected pneumatically to a baghouse, identified as AC, exhausted to Stack AC, capacity: 10.0 tons of minerals per hour.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, Silo #12 and #13 are storage bins and are affected facilities and the classifier #3 is a screening operation and is an affected facility.

- (g) One (1) pellet mill and natural gas-fired dryer, identified as Pellet Mill, installed in 1996, connected pneumatically to a baghouse, identified as AY, installed in 2006, exhausted to Stack AY, capacity: 8.0 tons of nonmetallic minerals per hour and rated at 6.0 million British thermal units per hour.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility. Under NSPS, 40 CFR Part 60.730, Subpart UUU, the dryer is an affected facility.

- (h) Five (5) material storage silos, identified as Silo A, Silo B, Silo C, Silo D and Silo #14, exhausted to Stacks AG, AH, AI, AJ and AK, respectively, connected pneumatically to baghouses, identified as AG, AH, AI, AJ and AK, respectively, installed in 1997, capacity:

12,038 cubic feet, each, and throughput capacity: 14.0 tons of nonmetallic minerals per hour, each. Silos A, B, C and D are also connected pneumatically to a common baghouse, identified as AM for unloading/transfer purposes, throughput capacity: 14.0 tons of nonmetallic minerals per hour.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.

- (i) One (1) Bepex/Air Mill Room, capacity: 2.0 tons of nonmetallic minerals per hour, consisting of:

(1) Three (3) silos, identified as Silo #15, Silo #16 and Silo #17, connected pneumatically to baghouses, identified as AO, AS and AT, exhausted to Stacks AO, AS and AT, throughput capacity: 14.0 tons of nonmetallic minerals per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.

(2) One (1) single air mill (powder), connected pneumatically to a baghouse, identified as AP, exhausted to Stack AP, throughput capacity: 4.0 tons of nonmetallic minerals per hour.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.

- (j) One (1) twin air mill, connected pneumatically to a baghouse, identified as AU, exhausted to Stack AU, installed in 2004, capacity: 2.0 tons of talc per hour.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.

- (k) One (1) air jet milling system, installed in 2005, capacity of 2.5 tons of nonmetallic minerals per hour, consisting of:

(1) Two (2) silos, identified as Silo #18 and Silo #19, connected pneumatically to baghouses, identified as AV, and AW, exhausted to Stacks AV and AW, capacity: 3,950 cubic feet, each and throughput capacity: 14.0 tons of nonmetallic minerals per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.

(2) One (1) #3 air mill, connected pneumatically to a baghouse, identified as AX, exhausted to Stack AX, capacity 4.0 tons of nonmetallic minerals per hour.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.

- (l) One (1) classifier #2, connected pneumatically to a baghouse, identified as BA installed in 1995, exhausted to Stack BA, capacity: 10.0 tons of nonmetallic minerals per hour.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a screening operation and is an affected facility.

- (m) One (1) Pellet Mill Transfer, connected pneumatically to a baghouse, identified as BB, installed in 1999, exhausted to Stack BB, capacity: 4.0 tons of nonmetallic minerals per hour.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a pneumatic system and is an affected facility.

- (n) One (1) product recycling bin, connected pneumatically to a baghouse, identified as BC, installed in 2001, exhausted to Stack BC, capacity: 5.0 tons of nonmetallic minerals per hour.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a storage bin and is an affected facility.

- (o) One (1) R1 bin, connected pneumatically to a baghouse, identified as BD, installed in 1994, exhausted to Stack BD, capacity: 25.0 tons of ore per hour.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a storage bin and is an affected facility.

- (p) One (1) auto packaging machine operation, connected pneumatically to a baghouse, identified as BF, installed in 2002, exhausted to Stack BF, capacity: 8.0 tons of nonmetallic minerals per hour.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a bagging operation and is an affected facility.

- (q) One (1) cosmetic circuit receiver, connected pneumatically to a baghouse, identified as BG, installed in 1992, exhausted to Stack BG, capacity: 7.0 tons of nonmetallic minerals per hour.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a pneumatic system and is an affected facility.

- (r) One (1) bulk truck loadout operation, connected pneumatically to a baghouse, identified as BH, installed in 1996, exhausted to Stack BH, capacity: 16.0 tons of nonmetallic minerals per hour.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a loading station and is an affected facility.

- (s) One (1) bulk railcar loadout operation, connected pneumatically to a baghouse, identified as BI, installed in 1997, exhausted to Stack BI, capacity: 8.0 tons of nonmetallic minerals per hour.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a loading station and is an affected facility.

- (t) One (1) twin air jet milling system, identified as BJ, consisting of mills # 5 & 6, approved for construction in 2010, for dry material size reduction of talc products, with a maximum throughput capacity of two (2.0) tons of talc per hour, connected pneumatically to one (1) integral baghouse, identified as BJ, for product reclamation, and exhausting outside the building through Stack BJ.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.

- (u) One (1) twin air jet milling system, identified as BK, consisting of mills # 7 & 8, approved for construction in 2011, for dry material size reduction of talc products, with a maximum throughput capacity of two (2.0) tons of talc per hour, connected pneumatically to one (1) integral baghouse, identified as BK, for product reclamation, and exhausting outside the building through Stack BK.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.

- (v) One (1) pellet mill and natural gas-fired fluid bed dryer, identified as Pellet Mill #2, approved for construction in 2011, with a maximum capacity of 4.0 tons of nonmetallic minerals per hour and rated at 10.0 million British thermal units per hour, connected pneumatically to a baghouse, identified as BL, and exhausting to Stack BL.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility. Under NSPS, 40 CFR Part 60.730, Subpart UUU, the dryer is an affected facility.

- (w) One (1) twin air jet milling system, identified as BM, consisting of mills # 9 & 10, approved for construction in 2012, for dry material size reduction of talc products, with a maximum throughput capacity of two (2.0) tons of talc per hour, connected pneumatically to one (1) integral baghouse, identified as BM, for product reclamation, and exhausting outside the building through Stack BM.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.

- (x) Two (2) storage silos, identified as Silo #20 and Silo #21, approved for construction in 2012, with a maximum throughput capacity of 14.0 tons of nonmetallic minerals per hour, each, connected pneumatically to one (1) integral baghouse, identified as BN, and exhausted to Stack BN.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.

SECTION B

GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

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 2-1.1-1) shall prevail.

B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

- (a) This permit, M129-22660-00023, 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

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

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

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

B.7 Duty to Provide Information

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

B.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.

- (b) The annual notice shall be submitted in the format attached no later than March 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

- (c) The notification 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.

B.9 Preventive Maintenance Plan [326 IAC 1-6-3]

- (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 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.
- (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.10 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to M129-22660-00023 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.11 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

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 one hundred twenty (120) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

B.12 Permit Renewal [326 IAC 2-6.1-7]

- (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 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
 - (1) Submitted at least one hundred twenty (120) days 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 2-6.1 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 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.13 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 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

(c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.14 Source Modification Requirement

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

B.15 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

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

(a) Enter upon the Permittee's premises where a permitted 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.16 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

(a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 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

The application which shall be submitted by the Permittee does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

B.17 Annual Fee Payment [326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ.

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

B.18 Credible Evidence [326 IAC 1-1-6]

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(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 one hundred (100) pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed five hundred fifty-one thousandths (0.551) pounds per hour.

C.2 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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

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

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

C.8 Stack Height [326 IAC 1-7]

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

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

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
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.

- (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. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-6.1-5(a)(2)]

C.10 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.
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

C.12 Compliance Monitoring [326 IAC 2-1.1-11]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

C.13 Instrument Specifications [326 IAC 2-1.1-11]

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

Corrective Actions and Response Steps

C.14 Response to Excursions or Exceedances

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

- (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.

Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]

C.16 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.17 General Record Keeping Requirements [326 IAC 2-6.1-5]

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

C.18 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

- (a) Reports required by conditions in Section D of this permit shall be submitted to:

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

- (b) 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.

- (c) 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.

SECTION D.1

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Entire Source

- (a) One (1) grinding plant, installed in 1991, exhausted to Stacks A through K and M controlled by twelve (12) baghouses, identified as A through K and M, capacity: 14.0 tons of talc, barite or calcium carbonate per hour, consisting of the following:
 - (1) One (1) electric crusher system, manufactured on September 14, 1960, capacity 50.0 tons of ore per hour.
 - (2) Two (2) silos, identified as North and South, connected pneumatically to baghouses, identified as B and C, exhausted to Stacks B and C, throughput capacity: 35.0 tons of ore per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
 - (3) One (1) roller mill, manufactured in November 1928, connected pneumatically to a baghouse, identified as D, exhausted to Stack D, throughput capacity: 14.0 tons of nonmetallic minerals per hour.
 - (4) One (1) classifier #1, connected pneumatically to a baghouse, identified as E, exhausted to Stack E, throughput capacity: 10.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a screening operation and is an affected facility.
 - (5) Six (6) silos, identified as Red, Green, Blue, Yellow, Pink and Orange, connected pneumatically to baghouses, identified as F, G, H, I, J and K, exhausted to Stacks F, G, H, I, J and K, respectively, throughput capacity: 14.0 tons of nonmetallic minerals per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
 - (6) One (1) impact mill, manufactured on September 10, 1962, connected pneumatically to a baghouse, identified as M, exhausted to Stack M, throughput capacity: 9.0 tons of non-metallic minerals per hour.
- (b) Four (4) silos, identified as Silo #1, Silo #2, Silo #3 and Silo #4, installed in 1994, connected pneumatically to baghouses, identified as N, O, P and Q, exhausted to Stacks N, O, P and Q, respectively, capacity: 8,313 cubic feet, each, and throughput capacity: 14.0 tons of minerals per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
- (c) Two (2) silos, identified as Silo #5 and Silo #6, installed in 1994, connected pneumatically to baghouses, identified as R and S, exhausted to Stacks R and S, capacity: 6,107 cubic feet, each, and throughput capacity: 14.0 tons of nonmetallic minerals per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
- (d) Five (5) silos, identified as Silo #7, Silo #8, Silo #9, Silo #10 and Silo #11, installed in 1994, connected pneumatically to baghouses, identified as T, U, V, W and X, exhausted to Stacks T, U, V, W and X, respectively, capacity: 11,083 cubic feet, each, and throughput capacity: 14.0 tons of nonmetallic minerals per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
- (e) One (1) hammer mill micronizer, identified as #1 Bepex, manufactured on December 10, 1974, installed in 1994, connected pneumatically to a baghouse, identified as Y, exhausted to Stack Y, capacity: 1.00 ton of nonmetallic minerals per hour.

Emissions Unit Description: (continued)

- (f) One (1) ball mill micronizer, identified as Ball Mill, manufactured on January 25, 1950, connected pneumatically to a baghouse, identified as Z, exhausted to Stack Z, capacity: 7.5 tons of non metallic minerals per hour, two (2) silos, identified as Silo #12 connected pneumatically to a baghouse, identified as AA, throughput capacity: 14.0 tons of nonmetallic minerals per hour, and Silo #13, connected pneumatically to a baghouse, identified as AB, throughput capacity: 35.0 tons of ore per hour, exhausted to Stacks AA and AB, capacity: 6,688 cubic feet, each and one (1) classifier #3, installed in 1994, connected pneumatically to a baghouse, identified as AC, exhausted to Stack AC, capacity: 10.0 tons of minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, Silo #12 and #13 are storage bins and are affected facilities and the classifier #3 is a screening operation and is an affected facility.
- (g) One (1) pellet mill and natural gas-fired dryer, identified as Pellet Mill, installed in 1996, connected pneumatically to a baghouse, identified as AY, installed in 2006, exhausted to Stack AY, capacity: 8.0 tons of nonmetallic minerals per hour and rated at 6.0 million British thermal units per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility. Under NSPS, 40 CFR Part 60.730, Subpart UUU, the dryer is an affected facility.
- (h) Five (5) material storage silos, identified as Silo A, Silo B, Silo C, Silo D and Silo #14, exhausted to Stacks AG, AH, AI, AJ and AK, respectively, connected pneumatically to baghouses, identified as AG, AH, AI, AJ and AK, respectively, installed in 1997, capacity: 12,038 cubic feet, each, and throughput capacity: 14.0 tons of nonmetallic minerals per hour, each. Silos A, B, C and D are also connected pneumatically to a common baghouse, identified as AM for unloading/transfer purposes, throughput capacity: 14.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
- (i) One (1) Bepex/Air Mill Room, capacity: 2.0 tons of nonmetallic minerals per hour, consisting of:
 - (1) Three (3) silos, identified as Silo #15, Silo #16 and Silo #17, connected pneumatically to baghouses, identified as AO, AS and AT, exhausted to Stacks AO, AS and AT, throughput capacity: 14.0 tons of nonmetallic minerals per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
 - (2) One (1) single air mill (powder), connected pneumatically to a baghouse, identified as AP, exhausted to Stack AP, throughput capacity: 4.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.
- (j) One (1) twin air mill, connected pneumatically to a baghouse, identified as AU, exhausted to Stack AU, installed in 2004, capacity: 2.0 tons of talc per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.
- (k) One (1) air jet milling system, installed in 2005, capacity of 2.5 tons of nonmetallic minerals per hour, consisting of:
 - (1) Two (2) silos, identified as Silo #18 and Silo #19, connected pneumatically to baghouses, identified as AV, and AW, exhausted to Stacks AV and AW, capacity; 3,950 cubic feet, each and throughput capacity: 14.0 tons of nonmetallic minerals per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
 - (2) One (1) #3 air mill, connected pneumatically to a baghouse, identified as AX, exhausted to Stack AX, capacity 4.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.

Emissions Unit Description: (continued)

- (l) One (1) classifier #2, connected pneumatically to a baghouse, identified as BA installed in 1995, exhausted to Stack BA, capacity: 10.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a screening operation and is an affected facility.
- (m) One (1) Pellet Mill Transfer, connected pneumatically to a baghouse, identified as BB, installed in 1999, exhausted to Stack BB, capacity: 4.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a pneumatic system and is an affected facility.
- (n) One (1) product recycling bin, connected pneumatically to a baghouse, identified as BC, installed in 2001, exhausted to Stack BC, capacity: 5.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a storage bin and is an affected facility.
- (o) One (1) R1 bin, connected pneumatically to a baghouse, identified as BD, installed in 1994, exhausted to Stack BD, capacity: 25.0 tons of ore per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a storage bin and is an affected facility.
- (p) One (1) auto packaging machine operation, connected pneumatically to a baghouse, identified as BF, installed in 2002, exhausted to Stack BF, capacity: 8.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a bagging operation and is an affected facility.
- (q) One (1) cosmetic circuit receiver, connected pneumatically to a baghouse, identified as BG, installed in 1992, exhausted to Stack BG, capacity: 7.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a pneumatic system and is an affected facility.
- (r) One (1) bulk truck loadout operation, connected pneumatically to a baghouse, identified as BH, installed in 1996, exhausted to Stack BH, capacity: 16.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a loading station and is an affected facility.
- (s) One (1) bulk railcar loadout operation, connected pneumatically to a baghouse, identified as BI, installed in 1997, exhausted to Stack BI, capacity: 8.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a loading station and is an affected facility.
- (t) One (1) twin air jet milling system, identified as BJ, consisting of mills # 5 & 6, approved for construction in 2010, for dry material size reduction of talc products, with a maximum throughput capacity of two (2.0) tons of talc per hour, connected pneumatically to one (1) integral baghouse, identified as BJ, for product reclamation, and exhausting outside the building through Stack BJ. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.
- (u) One (1) twin air jet milling system, identified as BK, consisting of mills # 7 & 8, approved for construction in 2011, for dry material size reduction of talc products, with a maximum throughput capacity of two (2.0) tons of talc per hour, connected pneumatically to one (1) integral baghouse, identified as BK, for product reclamation, and exhausting outside the building through Stack BK.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.
- (v) One (1) pellet mill and natural gas-fired fluid bed dryer, identified as Pellet Mill #2, approved for construction in 2011, with a maximum capacity of 4.0 tons of nonmetallic minerals per hour and rated at 10.0 million British thermal units per hour, connected pneumatically to a baghouse, identified as BL, and exhausting to Stack BL.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility. Under NSPS, 40 CFR Part 60.730, Subpart UUU, the dryer is an affected facility.

(w) One (1) twin air jet milling system, identified as BM, consisting of mills # 9 & 10, approved for construction in 2012, for dry material size reduction of talc products, with a maximum throughput capacity of two (2.0) tons of talc per hour, connected pneumatically to one (1) integral baghouse, identified as BM, for product reclamation, and exhausting outside the building through Stack BM.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.

(x) Two (2) storage silos, identified as Silo #20 and Silo #21, approved for construction in 2012, with a maximum throughput capacity of 14.0 tons of nonmetallic minerals per hour, each, connected pneumatically to one (1) integral baghouse, identified as BN, and exhausted to Stack BN.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.

(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

D.1.1 PSD Minor Limits [326 IAC 2-2]

In order to render 326 IAC 2-2 not applicable, the facilities listed in the following table shall not exceed the pound per hour emission rates:

Facility Description	Baghouse Identification	Limited PM Emission Rate (lbs/hr)	Limited PM10 Emission Rate (lbs/hr)	Limited PM2.5 Emission Rate (lbs/hr)
Crusher System	None	2.53	0.035	0.035
North Silo	B	0.262	0.262	0.262
South Silo	C	0.262	0.262	0.262
Roller Mill	D	7.35	0.926	0.926
Classifier #1	E	0.235	0.235	0.235
Red Silo	F	0.227	0.227	0.227
Green Silo	G	0.227	0.227	0.227
Blue Silo	H	0.227	0.227	0.227
Yellow Silo	I	0.303	0.303	0.303
Pink Silo	J	0.303	0.303	0.303
Orange Silo	K	0.349	0.349	0.349
Impact Mill	M	7.35	0.926	0.926
#1 Silo	N	0.136	0.136	0.136
#2 Silo	O	0.136	0.136	0.136
#3 Silo	P	0.136	0.136	0.136
#4 Silo	Q	0.136	0.136	0.136
#5 Silo	R	0.227	0.227	0.227
#6 Silo	S	0.227	0.227	0.227
#7 Silo	T	0.227	0.227	0.227
#8 Silo	U	0.227	0.227	0.227
#9 Silo	V	0.227	0.227	0.227
#10 Silo	W	0.227	0.227	0.227
#11 Silo	X	0.227	0.227	0.227

Facility Description	Baghouse Identification	Limited PM Emission Rate (lbs/hr)	Limited PM10 Emission Rate (lbs/hr)	Limited PM2.5 Emission Rate (lbs/hr)
#1 Bepex	Y	3.30	0.208	0.208
Ball Mill	Z	9.43	0.595	0.595
#12 Silo	AA	0.146	0.146	0.146
#13 Silo	AB	0.146	0.146	0.146
Classifier #3	AC	0.224	0.224	0.224
Silo A	AG	0.103	0.103	0.103
Silo B	AH	0.235	0.235	0.235
Silo C	AI	0.103	0.103	0.103
Silo D	AJ	0.103	0.103	0.103
Silo #14	AK	0.227	0.227	0.227
Common Baghouse	AM	0.103	0.103	0.103
Silo #15	AO	0.262	0.262	0.262
Single Air Mill (powder)	AP	0.560	0.560	0.560
Silo #16	AS	0.174	0.174	0.174
Silo #17	AT	0.174	0.174	0.174
Twin Air Mill	AU	0.776	0.776	0.776
Silo #18	AV	0.212	0.212	0.212
Silo #19	AW	0.212	0.212	0.212
#3 Air Mill	AX	0.371	0.371	0.371
Pellet Mill & Nat. Gas Dryer	AY	3.04	3.04	3.04
Classifier #2	BA	0.270	0.270	0.270
Pellet Mill Transfer	BB	0.119	0.119	0.119
Product Recycling Bin	BC	0.523	0.523	0.523
R1 Bin	BD	0.270	0.270	0.270
Auto Packaging Machine Op.	BF	0.523	0.523	0.523
Cosmetic Circuit Receiver	BG	0.274	0.274	0.274
Bulk Truck Loadout	BH	0.262	0.262	0.262
Bulk Railcar Loadout	BI	0.262	0.262	0.262
Twin Air Jet Mill	BJ	0.123	0.123	0.123
Twin Air Jet Mill	BK	0.123	0.123	0.123
Pellet Mill #2 & Nat. Gas Dryer	BL	2.15	2.15	2.15
Twin Air Jet Mill #9 & #10	BM	0.280	0.280	0.280
Silos #20 & #21	BN	0.238	0.238	0.238

Compliance with these limits, combined with the potential to emit PM, PM10, and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit of PM to less than 250 tons per 12 consecutive month period, PM10 and PM2.5 to less than 100 tons per 12 consecutive month period, each, and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

D.1.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the:

- (a) crusher system shall not exceed 44.5 pounds per hour when operating at a process weight rate of 50.0 tons per hour,
- (b) roller mill shall not exceed 24.0 pounds per hour when operating at a process weight rate of 14.0 tons per hour,
- (c) impact mill shall not exceed 17.8 pounds per hour when operating at a process weight rate of 9.0 tons per hour,
- (d) #1 Bepex shall not exceed 4.1 pounds per hour when operating at a process weight rate of 1.0 ton per hour, and
- (e) ball mill shall not exceed 15.8 pounds per hour when operating at a process weight rate of 7.5 tons per hour.

The pounds per hour limitations were calculated with the following equations:

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:

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

and

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

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

D.1.3 Preventive Maintenance Plan [326 IAC 1-6-3]

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

Compliance Determination Requirements

D.1.4 Particulate Control

- (a) In order to comply with Conditions D.1.1 and D.1.2, the baghouses, identified as B through Z, AA through AC, AG through AM, AO and AP, AS through AY, BA through BD and BF through BN for particulate control shall be in operation and control emissions from the talc, barite and calcium carbonate processing facilities at all times that these facilities are 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.

D.1.5 Testing Requirements [326 IAC 2-1.1-11]

(a) Not later than one hundred eighty (180) days of issuance of this MSOP Renewal, 129-22660-00023, in order to demonstrate compliance with Condition E.1.2, the Permittee shall perform PM testing of the following facilities:

- (1) classifier #1, connected pneumatically to a baghouse, identified as E, exhausted to Stack E,
- (2) one (1) of the six (6) silos, identified as Red, Green, Blue, Yellow, Pink and Orange, connected pneumatically to baghouses, identified as F, G, H, I, J and K, exhausted to Stacks F, G, H, I, J and K, respectively,
- (3) one (1) of the three (3) silos, identified as Silo #15, Silo #16 and Silo #17, connected pneumatically to baghouses, identified as AO, AS and AT, exhausted to Stacks AO, AS and AT,
- (4) classifier #2, connected pneumatically to a baghouse, identified as BA installed in 1995, exhausted to Stack BA,
- (5) Pellet Mill Transfer, connected pneumatically to a baghouse, identified as BB, exhausted to Stack BB,
- (6) product recycling bin, connected pneumatically to a baghouse, identified as BC, exhausted to Stack BC,
- (7) R1 bin, connected pneumatically to a baghouse, identified as BD, exhausted to Stack BD,
- (8) auto packaging machine operation, connected pneumatically to a baghouse, identified as BF, exhausted to Stack BF,
- (9) cosmetic circuit receiver, connected pneumatically to a baghouse, identified as BG, exhausted to Stack BG,
- (10) bulk truck loadout operation, connected pneumatically to a baghouse, identified as BH, exhausted to Stack BH,
- (11) bulk railcar loadout operation, connected pneumatically to a baghouse, identified as BI, exhausted to Stack BI,

utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

(b) In order to demonstrate compliance with Condition E.1.2, no later than five (5) years from the most recent valid compliance demonstration, the Permittee shall perform PM and opacity testing of one (1) of the two (2) silos, identified as North and South, connected pneumatically to baghouses, identified as B and C, exhausted to Stacks B and C, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

- (c) In order to demonstrate compliance with Condition E.1.2, no later than five (5) years from the most recent valid compliance demonstration, the Permittee shall perform PM and opacity testing of one (1) of the eleven (11) silos, identified as Silos #1 through #11, connected pneumatically to baghouses, identified as N through X, exhausted to Stacks N through X, respectively, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.
- (d) In order to demonstrate compliance with Conditions E.1.2 and E.2.2, no later than five (5) years from the most recent valid compliance demonstration, the Permittee shall perform PM and opacity testing of the pellet mill and natural gas-fired dryer, identified as Pellet Mill, connected pneumatically to a baghouse, identified as AY, exhausted to Stack AY, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.
- (e) In order to demonstrate compliance with Condition E.1.2, no later than five (5) years from the most recent valid compliance demonstration, the Permittee shall perform PM and opacity testing of the classifier #3, connected pneumatically to a baghouse, identified as AC, exhausted to Stack AC, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the last most recent compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.
- (f) In order to demonstrate compliance with Condition E.1.2, no later than five (5) years from the most recent valid compliance demonstration, the Permittee shall perform PM and opacity testing of either the single air mill (powder), connected pneumatically to a baghouse, identified as AP, exhausted to Stack AP, or the #3 air mill, connected pneumatically to a baghouse, identified as AX, exhausted to Stack AX, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.
- (g) In order to demonstrate compliance with Condition E.1.2, no later than five (5) years from the most recent valid compliance demonstration, the Permittee shall perform PM and opacity testing of the twin air jet milling system, identified as BJ, connected pneumatically to a baghouse, identified as BJ, exhausted to Stack BJ, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.
- (h) In order to demonstrate compliance with Condition E.1.2, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, the Permittee shall perform PM and opacity testing of the twin air jet milling system, identified as BK, connected pneumatically to a baghouse, identified as BK, exhausted to Stack BK, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the

date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

- (i) In order to demonstrate compliance with Conditions D.1.1, E.1.2 and E.2.2, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, the Permittee shall perform PM, PM10 PM2.5 and opacity testing of the pellet mill and natural gas-fired dryer, identified as Pellet Mill #2, connected pneumatically to a baghouse, identified as BL, exhausted to Stack BL, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.
- (j) In order to demonstrate compliance with Condition E.1.2, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, the Permittee shall perform PM and opacity testing of the twin air jet milling system, identified as BM, connected pneumatically to a baghouse, identified as BM, exhausted to Stack BM, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.
- (k) In order to demonstrate compliance with Condition E.1.2, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, the Permittee shall perform PM and opacity testing of the two (2) storage silos, identified as #20 and #21, connected pneumatically to a baghouse, identified as BN, exhausted to Stack BN, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.6 Visible Emissions Notations

- (a) Visible emission notations of the talc, barite and calcium carbonate processing stack exhausts, identified as B through Z, AA through AC, AG through AM, AO and AP, AS through AY, BA through BD and BF through BN, shall be performed once per day during normal day-light operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

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

D.1.7 Baghouse Parametric Monitoring

- (a) The Permittee shall record the pressure drop across the baghouses, identified as B through Z, AA through AC, AG through AM, AY, BA through BD and BF through BN, used in conjunction with the talc, barite and calcium carbonate processing facilities at least once per day when these facilities are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range, the Permittee shall take reasonable response. The normal range for these units is a pressure drop between 3.0 and 6.0 inches of water 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 Permittee shall record the pressure drop across the baghouses, identified as AO, AP and AS through AX, used in conjunction with the talc, barite and calcium carbonate processing facilities at least once per day when these facilities are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range, the Permittee shall take reasonable response. The normal range for these units is a pressure drop between 3.0 and 5.0 inches of water 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.
- (c) The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.1.8 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.
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit.

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, or leaks.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.9 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.6, the Permittee shall maintain a daily record of visible emission notations of the talc, barite and calcium carbonate processing baghouse stack exhausts, identified as B through Z, AA through AC, AG through AM, AO and AP, AS through AY, BA through BD and BF through BN. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the roller miller exhausted to Stack D did not operate that day).
- (b) To document the compliance status with Condition D.1.7, the Permittee shall maintain a daily record of the pressure drop across the baghouses, identified as B through Z, AA through AC, AG through AM, AO and AP, AS through AY, BA through BD and BF through BN, controlling talc, barite and calcium carbonate processing facilities. 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 roller miller did not operate that day).
- (c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

SECTION E.1

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: NSPS Subpart OOO for:

- (a) One (1) grinding plant, installed in 1991, exhausted to Stacks A through K and M controlled by twelve (12) baghouses, identified as A through K and M, capacity: 14.0 tons of talc, barite or calcium carbonate per hour, consisting of the following:
 - (2) Two (2) silos, identified as North and South, connected pneumatically to baghouses, identified as B and C, exhausted to Stacks B and C, throughput capacity: 35.0 tons of ore per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
 - (4) One (1) classifier #1, connected pneumatically to a baghouse, identified as E, exhausted to Stack E, throughput capacity: 10.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a screening operation and is an affected facility.
 - (5) Six (6) silos, identified as Red, Green, Blue, Yellow, Pink and Orange, connected pneumatically to baghouses, identified as F, G, H, I, J and K, exhausted to Stacks F, G, H, I, J and K, respectively, throughput capacity: 14.0 tons of nonmetallic minerals per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
- (b) Four (4) silos, identified as Silo #1, Silo #2, Silo #3 and Silo #4, installed in 1994, connected pneumatically to baghouses, identified as N, O, P and Q, exhausted to Stacks N, O, P and Q, respectively, capacity: 8,313 cubic feet, each, and throughput capacity: 14.0 tons of minerals per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
- (c) Two (2) silos, identified as Silo #5 and Silo #6, installed in 1994, connected pneumatically to baghouses, identified as R and S, exhausted to Stacks R and S, capacity: 6,107 cubic feet, each, and throughput capacity: 14.0 tons of nonmetallic minerals per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
- (d) Five (5) silos, identified as Silo #7, Silo #8, Silo #9, Silo #10 and Silo #11, installed in 1994, connected pneumatically to baghouses, identified as T, U, V, W and X, exhausted to Stacks T, U, V, W and X, respectively, capacity: 11,083 cubic feet, each, and throughput capacity: 14.0 tons of nonmetallic minerals per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
- (e) One (1) hammer mill micronizer, identified as #1 Bepex, manufactured on December 10, 1974, installed in 1994, connected pneumatically to a baghouse, identified as Y, exhausted to Stack Y, capacity: 1.00 ton of nonmetallic minerals per hour.
- (f) One (1) ball mill micronizer, identified as Ball Mill, manufactured on January 25, 1950, connected pneumatically to a baghouse, identified as Z, exhausted to Stack Z, capacity: 7.5 tons of nonmetallic minerals per hour, two (2) silos, identified as Silo #12 connected pneumatically to a baghouse, identified as AA, throughput capacity: 14.0 tons of nonmetallic minerals per hour, and Silo #13, connected pneumatically to a baghouse, identified as AB, throughput capacity: 35.0 tons of ore per hour, exhausted to Stacks AA and AB, capacity: 6,688 cubic feet, each and one (1) classifier #3, installed in 1994, connected pneumatically to a baghouse, identified as AC, exhausted to Stack AC, capacity: 10.0 tons of minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, Silo #12 and #13 are storage bins and are affected facilities and the classifier #3 is a screening operation and is an affected facility.

Emissions Unit Description: NSPS Subpart OOO for: (continued)

- (g) One (1) pellet mill and natural gas-fired dryer, identified as Pellet Mill, installed in 1996, connected pneumatically to a baghouse, identified as AY, installed in 2006, exhausted to Stack AY, capacity: 8.0 tons of nonmetallic minerals per hour and rated at 6.0 million British thermal units per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility. Under NSPS, 40 CFR Part 60.730, Subpart UUU, the dryer is an affected facility.
- (h) Five (5) material storage silos, identified as Silo A, Silo B, Silo C, Silo D and Silo #14, exhausted to Stacks AG, AH, AI, AJ and AK, respectively, connected pneumatically to baghouses, identified as AG, AH, AI, AJ and AK, respectively, installed in 1997, capacity: 12,038 cubic feet, each, and throughput capacity: 14.0 tons of nonmetallic minerals per hour, each. Silos A, B, C and D are also connected pneumatically to a common baghouse, identified as AM for unloading/transfer purposes, throughput capacity: 14.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
- (i) One (1) Bepex/Air Mill Room, capacity: 2.0 tons of nonmetallic minerals per hour, consisting of:
 - (1) Three (3) silos, identified as Silo #15, Silo #16 and Silo #17, connected pneumatically to baghouses, identified as AO, AS and AT, exhausted to Stacks AO, AS and AT, throughput capacity: 14.0 tons of nonmetallic minerals per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
 - (2) One (1) single air mill (powder), connected pneumatically to a baghouse, identified as AP, exhausted to Stack AP, throughput capacity: 4.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.
- (j) One (1) twin air mill, connected pneumatically to a baghouse, identified as AU, exhausted to Stack AU, installed in 2004, capacity: 2.0 tons of talc per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.
- (k) One (1) air jet milling system, installed in 2005, capacity of 2.5 tons of nonmetallic minerals per hour, consisting of:
 - (1) Two (2) silos, identified as Silo #18 and Silo #19, connected pneumatically to baghouses, identified as AV, and AW, exhausted to Stacks AV and AW, capacity; 3,950 cubic feet, each and throughput capacity: 14.0 tons of nonmetallic minerals per hour, each. Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
 - (2) One (1) #3 air mill, connected pneumatically to a baghouse, identified as AX, exhausted to Stack AX, capacity 4.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.
- (l) One (1) classifier #2, connected pneumatically to a baghouse, identified as BA installed in 1995, exhausted to Stack BA, capacity: 10.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a screening operation and is an affected facility.
- (m) One (1) Pellet Mill Transfer, pneumatically connected to a baghouse, identified as BB, installed in 1999, exhausted to Stack BB, capacity: 4.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a pneumatic system and is an affected facility.

Emissions Unit Description: NSPS Subpart OOO for: (continued)

- (n) One (1) product recycling bin, connected pneumatically to a baghouse, identified as BC, installed in 2001, exhausted to Stack BC, capacity: 5.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a storage bin and is an affected facility.
- (o) One (1) R1 bin, connected pneumatically to a baghouse, identified as BD, installed in 1994, exhausted to Stack BD, capacity: 25.0 tons of ore per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a storage bin and is an affected facility.
- (p) One (1) auto packaging machine operation, connected pneumatically to a baghouse, identified as BF, installed in 2002, exhausted to Stack BF, capacity: 8.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a bagging operation and is an affected facility.
- (q) One (1) cosmetic circuit receiver, connected pneumatically to a baghouse, identified as BG, installed in 1992, exhausted to Stack BG, capacity: 7.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a pneumatic system and is an affected facility.
- (r) One (1) bulk truck loadout operation, connected pneumatically to a baghouse, identified as BH, installed in 1996, exhausted to Stack BH, capacity: 16.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a loading station and is an affected facility.
- (s) One (1) bulk railcar loadout operation, connected pneumatically to a baghouse, identified as BI, installed in 1997, exhausted to Stack BI, capacity: 8.0 tons of nonmetallic minerals per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a loading station and is an affected facility.
- (t) One (1) twin air jet milling system, identified as BJ, consisting of mills # 5 & 6, approved for construction in 2010, for dry material size reduction of talc products, with a maximum throughput capacity of two (2.0) tons of talc per hour, connected pneumatically to one (1) integral baghouse, identified as BJ, for product reclamation, and exhausting outside the building through Stack BJ. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.
- (u) One (1) twin air jet milling system, identified as BK, consisting of mills # 7 & 8, approved for construction in 2011, for dry material size reduction of talc products, with a maximum throughput capacity of two (2.0) tons of talc per hour, connected pneumatically to one (1) integral baghouse, identified as BK, for product reclamation, and exhausting outside the building through Stack BK.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.
- (v) One (1) pellet mill and natural gas-fired fluid bed dryer, identified as Pellet Mill #2, approved for construction in 2011, with a maximum capacity of 4.0 tons of nonmetallic minerals per hour and rated at 10.0 million British thermal units per hour, connected pneumatically to a baghouse, identified as BL, and exhausting to Stack BL.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility. Under NSPS, 40 CFR Part 60.730, Subpart UUU, the dryer is an affected facility.
- (w) One (1) twin air jet milling system, identified as BM, consisting of mills # 9 & 10, approved for construction in 2012, for dry material size reduction of talc products, with a maximum throughput capacity of two (2.0) tons of talc per hour, connected pneumatically to one (1) integral baghouse, identified as BM, for product reclamation, and exhausting outside the building through Stack BM.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.

- (x) Two (2) storage silos, identified as Silo #20 and Silo #21, approved for construction in 2012, with a maximum throughput capacity of 14.0 tons of nonmetallic minerals per hour, each, connected pneumatically to one (1) integral baghouse, identified as BN, and exhausted to Stack BN.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.

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

New Source Performance Standards (NSPS) Requirements [326 IAC 2-6]

E.1.1 General Provisions Relating to NSPS Subpart OOO [326 IAC 12] [40 CFR Part 60, Subpart A]

Pursuant to 40 CFR 60.670, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12 for the talc, barite and calcium carbonate processing source, as specified in Table 1 of 40 CFR Part 60, Subpart OOO in accordance with schedule in 40 CFR 60 Subpart OOO.

E.1.2 NSPS Subpart OOO Requirements [40 CFR Part 60, Subpart OOO] [326 IAC 12]

Pursuant to CFR Part 60, Subpart OOO, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart OOO, which are incorporated by reference as 326 IAC 12 for the facilities listed in Section E.1 as specified as follows.

Subpart OOO—Standards of Performance for Nonmetallic Mineral Processing Plants

Subpart OOO—Standards of Performance for Nonmetallic Mineral Processing Plants

Source: 74 FR 19309, Apr. 28, 2009, unless otherwise noted.

§ 60.670 Applicability and designation of affected facility.

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

(2) The provisions of this subpart do not apply to the following operations: All facilities located in underground mines; plants without crushers or grinding mills above ground; and wet material processing operations (as defined in §60.671).

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

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

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

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

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

(d)(1) When an existing facility is replaced by a piece of equipment of equal or smaller size, as defined in §60.671, having the same function as the existing facility, and there is no increase in the amount of emissions, the new facility is exempt from the provisions of §§60.672, 60.674, and 60.675 except as provided for in paragraph (d)(3) of this section.

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

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

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

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

§ 60.671 Definitions.

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

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

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

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

Building means any frame structure with a roof.

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

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

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

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

Crush or *Crushing* means to reduce the size of nonmetallic mineral material by means of physical impaction of the crusher or grinding mill upon the material.

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

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

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

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

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

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

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

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

(2) Sand and Gravel.

(3) Clay including Kaolin, Fireclay, Bentonite, Fuller's Earth, Ball Clay, and Common Clay.

(4) Rock Salt.

(5) Gypsum (natural or synthetic).

(6) Sodium Compounds, including Sodium Carbonate, Sodium Chloride, and Sodium Sulfate.

(7) Pumice.

(8) Gilsonite.

(9) Talc and Pyrophyllite.

(10) Boron, including Borax, Kernite, and Colemanite.

(11) Barite.

(12) Fluorospar.

(13) Feldspar.

(14) Diatomite.

(15) Perlite.

(16) Vermiculite.

(17) Mica.

(18) Kyanite, including Andalusite, Sillimanite, Topaz, and Dumortierite.

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

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

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

Saturated material means, for purposes of this subpart, mineral material with sufficient surface moisture such that particulate matter emissions are not generated from processing of the material through screening operations, bucket

elevators and belt conveyors. Material that is wetted solely by wet suppression systems is not considered to be "saturated" for purposes of this definition.

Screening operation means a device for separating material according to size by passing undersize material through one or more mesh surfaces (screens) in series, and retaining oversize material on the mesh surfaces (screens). Grizzly feeders associated with truck dumping and static (non-moving) grizzlies used anywhere in the nonmetallic mineral processing plant are not considered to be screening operations.

Seasonal shut down means shut down of an affected facility for a period of at least 45 consecutive days due to weather or seasonal market conditions.

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

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

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

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

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

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

Wet material processing operation(s) means any of the following:

(1) Wet screening operations (as defined in this section) and subsequent screening operations, bucket elevators and belt conveyors in the production line that process saturated materials (as defined in this section) up to the first crusher, grinding mill or storage bin in the production line; or

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

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

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

§ 60.672 Standard for particulate matter (PM).

(a) Affected facilities must meet the stack emission limits and compliance requirements in Table 2 of this subpart within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.8. The requirements in Table 2 of this subpart apply for affected facilities with capture systems used to capture and transport particulate matter to a control device.

(b) Affected facilities must meet the fugitive emission limits and compliance requirements in Table 3 of this subpart within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.11. The requirements in Table 3 of this subpart apply for fugitive emissions from affected facilities without capture systems and for fugitive emissions escaping capture systems.

(c) [Reserved]

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

(e) If any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility must comply with the emission limits in paragraphs (a) and (b) of this section, or the building enclosing the affected facility or facilities must comply with the following emission limits:

(1) Fugitive emissions from the building openings (except for vents as defined in §60.671) must not exceed 7 percent opacity; and

(2) Vents (as defined in §60.671) in the building must meet the applicable stack emission limits and compliance requirements in Table 2 of this subpart.

(f) Any baghouse that controls emissions from only an individual, enclosed storage bin is exempt from the applicable stack PM concentration limit (and associated performance testing) in Table 2 of this subpart but must meet the applicable stack opacity limit and compliance requirements in Table 2 of this subpart. This exemption from the stack PM concentration limit does not apply for multiple storage bins with combined stack emissions.

§ 60.673 Reconstruction.

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

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

§ 60.674 Monitoring of operations.

(a) The owner or operator of any affected facility subject to the provisions of this subpart which uses a wet scrubber to control emissions shall install, calibrate, maintain and operate the following monitoring devices:

(1) A device for the continuous measurement of the pressure loss of the gas stream through the scrubber. The monitoring device must be certified by the manufacturer to be accurate within ± 250 pascals ± 1 inch water gauge pressure and must be calibrated on an annual basis in accordance with manufacturer's instructions.

(2) A device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber. The monitoring device must be certified by the manufacturer to be accurate within ± 5 percent of design scrubbing liquid flow rate and must be calibrated on an annual basis in accordance with manufacturer's instructions.

(b) The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under §60.676(b).

(1) If an affected facility relies on water carryover from upstream water sprays to control fugitive emissions, then that affected facility is exempt from the 5-year repeat testing requirement specified in Table 3 of this subpart provided that the affected facility meets the criteria in paragraphs (b)(1)(i) and (ii) of this section:

(i) The owner or operator of the affected facility conducts periodic inspections of the upstream water spray(s) that are responsible for controlling fugitive emissions from the affected facility. These inspections are conducted according to paragraph (b) of this section and §60.676(b), and

(ii) The owner or operator of the affected facility designates which upstream water spray(s) will be periodically inspected at the time of the initial performance test required under §60.11 of this part and §60.675 of this subpart.

(2) If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under §60.676(b) must specify the control mechanism being used instead of the water sprays.

(c) Except as specified in paragraph (d) or (e) of this section, the owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses a baghouse to control emissions must conduct quarterly 30-minute visible emissions inspections using EPA Method 22 (40 CFR part 60, Appendix A-7). The Method 22 (40 CFR part 60, Appendix A-7) test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner or operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner or operator must record each Method 22 (40 CFR part 60, Appendix A-7) test, including the date and any corrective actions taken, in the logbook required under §60.676(b). The owner or operator of the affected facility may establish a different baghouse-specific success level for the visible emissions test (other than no visible emissions) by conducting a PM performance test according to §60.675(b) simultaneously with a Method 22 (40 CFR part 60, Appendix A-7) to determine what constitutes normal visible emissions from that affected facility's baghouse when it is in compliance with the applicable PM concentration limit in Table 2 of this subpart. The revised visible emissions success level must be incorporated into the permit for the affected facility.

(d) As an alternative to the periodic Method 22 (40 CFR part 60, Appendix A-7) visible emissions inspections specified in paragraph (c) of this section, the owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses a baghouse to control emissions may use a bag leak detection system. The owner or operator must install, operate, and maintain the bag leak detection system according to paragraphs (d)(1) through (3) of this section.

(1) Each bag leak detection system must meet the specifications and requirements in paragraphs (d)(1)(i) through (viii) of this section.

(i) The bag leak detection system must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 1 milligram per dry standard cubic meter (0.00044 grains per actual cubic foot) or less.

(ii) The bag leak detection system sensor must provide output of relative PM loadings. The owner or operator shall continuously record the output from the bag leak detection system using electronic or other means (e.g. , using a strip chart recorder or a data logger).

(iii) The bag leak detection system must be equipped with an alarm system that will sound when the system detects an increase in relative particulate loading over the alarm set point established according to paragraph (d)(1)(iv) of this section, and the alarm must be located such that it can be heard by the appropriate plant personnel.

(iv) In the initial adjustment of the bag leak detection system, the owner or operator must establish, at a minimum, the baseline output by adjusting the sensitivity (range) and the averaging period of the device, the alarm set points, and the alarm delay time.

(v) Following initial adjustment, the owner or operator shall not adjust the averaging period, alarm set point, or alarm delay time without approval from the Administrator or delegated authority except as provided in paragraph (d)(1)(vi) of this section.

(vi) Once per quarter, the owner or operator may adjust the sensitivity of the bag leak detection system to account for seasonal effects, including temperature and humidity, according to the procedures identified in the site-specific monitoring plan required by paragraph (d)(2) of this section.

(vii) The owner or operator must install the bag leak detection sensor downstream of the fabric filter.

(viii) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.

(2) The owner or operator of the affected facility must develop and submit to the Administrator or delegated authority for approval of a site-specific monitoring plan for each bag leak detection system. The owner or operator must operate and maintain the bag leak detection system according to the site-specific monitoring plan at all times. Each monitoring plan must describe the items in paragraphs (d)(2)(i) through (vi) of this section.

(i) Installation of the bag leak detection system;

(ii) Initial and periodic adjustment of the bag leak detection system, including how the alarm set-point will be established;

(iii) Operation of the bag leak detection system, including quality assurance procedures;

(iv) How the bag leak detection system will be maintained, including a routine maintenance schedule and spare parts inventory list;

(v) How the bag leak detection system output will be recorded and stored; and

(vi) Corrective action procedures as specified in paragraph (d)(3) of this section. In approving the site-specific monitoring plan, the Administrator or delegated authority may allow owners and operators more than 3 hours to alleviate a specific condition that causes an alarm if the owner or operator identifies in the monitoring plan this specific condition as one that could lead to an alarm, adequately explains why it is not feasible to alleviate this condition within 3 hours of the time the alarm occurs, and demonstrates that the requested time will ensure alleviation of this condition as expeditiously as practicable.

(3) For each bag leak detection system, the owner or operator must initiate procedures to determine the cause of every alarm within 1 hour of the alarm. Except as provided in paragraph (d)(2)(vi) of this section, the owner or operator must alleviate the cause of the alarm within 3 hours of the alarm by taking whatever corrective action(s) are necessary. Corrective actions may include, but are not limited to the following:

(i) Inspecting the fabric filter for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in PM emissions;

(ii) Sealing off defective bags or filter media;

(iii) Replacing defective bags or filter media or otherwise repairing the control device;

(iv) Sealing off a defective fabric filter compartment;

(v) Cleaning the bag leak detection system probe or otherwise repairing the bag leak detection system; or

(vi) Shutting down the process producing the PM emissions.

(e) As an alternative to the periodic Method 22 (40 CFR part 60, Appendix A-7) visible emissions inspections specified in paragraph (c) of this section, the owner or operator of any affected facility that is subject to the requirements for processed stone handling operations in the Lime Manufacturing NESHAP (40 CFR part 63, subpart AAAAA) may follow the continuous compliance requirements in row 1 items (i) through (iii) of Table 6 to Subpart AAAAA of 40 CFR part 63.

§ 60.675 Test methods and procedures.

(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendices A-1 through A-7 of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). Acceptable alternative methods and procedures are given in paragraph (e) of this section.

(b) The owner or operator shall determine compliance with the PM standards in §60.672(a) as follows:

(1) Except as specified in paragraphs (e)(3) and (4) of this section, Method 5 of Appendix A-3 of this part or Method 17 of Appendix A-6 of this part shall be used to determine the particulate matter concentration. The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5 (40 CFR part 60, Appendix A-3), if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 °C (250 °F), to prevent water condensation on the filter.

(2) Method 9 of Appendix A-4 of this part and the procedures in §60.11 shall be used to determine opacity.

(c)(1) In determining compliance with the particulate matter standards in §60.672(b) or §60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in §60.11, with the following additions:

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

(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.

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

(2)(i) In determining compliance with the opacity of stack emissions from any baghouse that controls emissions only from an individual enclosed storage bin under §60.672(f) of this subpart, using Method 9 (40 CFR part 60, Appendix A-4), the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations shall be 1 hour (ten 6-minute averages).

(ii) The duration of the Method 9 (40 CFR part 60, Appendix A-4) observations may be reduced to the duration the affected facility operates (but not less than 30 minutes) for baghouses that control storage bins or enclosed truck or railcar loading stations that operate for less than 1 hour at a time.

(3) When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) or §60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages.

(d) To demonstrate compliance with the fugitive emission limits for buildings specified in §60.672(e)(1), the owner or operator must complete the testing specified in paragraph (d)(1) and (2) of this section. Performance tests must be conducted while all affected facilities inside the building are operating.

(1) If the building encloses any affected facility that commences construction, modification, or reconstruction on or after April 22, 2008, the owner or operator of the affected facility must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and §60.11.

(2) If the building encloses only affected facilities that commenced construction, modification, or reconstruction before April 22, 2008, and the owner or operator has previously conducted an initial Method 22 (40 CFR part 60, Appendix A-7) performance test showing zero visible emissions, then the owner or operator has demonstrated compliance with the opacity limit in §60.672(e)(1). If the owner or operator has not conducted an initial performance test for the building before April 22, 2008, then the owner or operator must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and §60.11 to show compliance with the opacity limit in §60.672(e)(1).

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

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

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

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

(2) A single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

(i) No more than three emission points may be read concurrently.

(ii) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.

(iii) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.

(3) Method 5I of Appendix A-3 of this part may be used to determine the PM concentration as an alternative to the methods specified in paragraph (b)(1) of this section. Method 5I (40 CFR part 60, Appendix A-3) may be useful for affected facilities that operate for less than 1 hour at a time such as (but not limited to) storage bins or enclosed truck or railcar loading stations.

(4) In some cases, velocities of exhaust gases from building vents may be too low to measure accurately with the type S pitot tube specified in EPA Method 2 of Appendix A-1 of this part [*i.e.*, velocity head <1.3 mm H₂O (0.05 in. H₂O)] and referred to in EPA Method 5 of Appendix A-3 of this part. For these conditions, the owner or operator may determine the average gas flow rate produced by the power fans (*e.g.*, from vendor-supplied fan curves) to the building vent. The owner or operator may calculate the average gas velocity at the building vent measurement site using Equation 1 of this section and use this average velocity in determining and maintaining isokinetic sampling rates.

$$v_e = \frac{Q_f}{A_e} \quad (\text{Eq. 1})$$

Where:

V_e= average building vent velocity (feet per minute);

Q_f= average fan flow rate (cubic feet per minute); and

A_e= area of building vent and measurement location (square feet).

(f) To comply with §60.676(d), the owner or operator shall record the measurements as required in §60.676(c) using the monitoring devices in §60.674 (a)(1) and (2) during each particulate matter run and shall determine the averages.

(g) For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in §60.7(a)(6) and 60.8(d) to a 7-day advance notification.

(h) [Reserved]

(i) If the initial performance test date for an affected facility falls during a seasonal shut down (as defined in §60.671 of this subpart) of the affected facility, then with approval from the permitting authority, the owner or operator may postpone the initial performance test until no later than 60 calendar days after resuming operation of the affected facility.

§ 60.676 Reporting and recordkeeping.

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

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

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

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

(2) For a screening operation:

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

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

(3) For a conveyor belt:

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

(ii) The width of the replacement conveyor belt.

(4) For a storage bin:

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

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

(b)(1) Owners or operators of affected facilities (as defined in §§60.670 and 60.671) for which construction, modification, or reconstruction commenced on or after April 22, 2008, must record each periodic inspection required under §60.674(b) or (c), including dates and any corrective actions taken, in a logbook (in written or electronic format). The owner or operator must keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to the Administrator upon request.

(2) For each bag leak detection system installed and operated according to §60.674(d), the owner or operator must keep the records specified in paragraphs (b)(2)(i) through (iii) of this section.

(i) Records of the bag leak detection system output;

(ii) Records of bag leak detection system adjustments, including the date and time of the adjustment, the initial bag leak detection system settings, and the final bag leak detection system settings; and

(iii) The date and time of all bag leak detection system alarms, the time that procedures to determine the cause of the alarm were initiated, the cause of the alarm, an explanation of the actions taken, the date and time the cause of the alarm was alleviated, and whether the cause of the alarm was alleviated within 3 hours of the alarm.

(3) The owner or operator of each affected facility demonstrating compliance according to §60.674(e) by following the requirements for processed stone handling operations in the Lime Manufacturing NESHAP (40 CFR part 63, subpart AAAAA) must maintain records of visible emissions observations required by §63.7132(a)(3) and (b) of 40 CFR part 63, subpart AAAAA.

(c) During the initial performance test of a wet scrubber, and daily thereafter, the owner or operator shall record the measurements of both the change in pressure of the gas stream across the scrubber and the scrubbing liquid flow rate.

(d) After the initial performance test of a wet scrubber, the owner or operator shall submit semiannual reports to the Administrator of occurrences when the measurements of the scrubber pressure loss and liquid flow rate decrease by more than 30 percent from the average determined during the most recent performance test.

(e) The reports required under paragraph (d) of this section shall be postmarked within 30 days following end of the second and fourth calendar quarters.

(f) The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of this subpart, including reports of opacity observations made using Method 9 (40 CFR part 60, Appendix A-4) to demonstrate compliance with §60.672(b), (e) and (f).

(g) The owner or operator of any wet material processing operation that processes saturated and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. At the time of such change, this screening operation, bucket elevator, or belt conveyor becomes subject to the applicable opacity limit in §60.672(b) and the emission test requirements of §60.11.

(h) The subpart A requirement under §60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under this subpart.

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

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

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

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

(k) Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to §60.4(b).

Table 1 to Subpart 000—Exceptions to Applicability of Subpart A to Subpart 000

Table 1 to Subpart 000—Exceptions to Applicability of Subpart A to Subpart 000

Subpart A reference	Applies to subpart 000	Explanation
60.4, Address	Yes	Except in §60.4(a) and (b) submittals need not be submitted to both the EPA Region and delegated State authority (§60.676(k)).
60.7, Notification and recordkeeping	Yes	Except in (a)(1) notification of the date construction or reconstruction commenced (§60.676(h)).
		Also, except in (a)(6) performance tests involving only Method 9 (40 CFR part 60, Appendix A-4) require a 7-day advance notification instead of 30 days (§60.675(g)).
60.8, Performance tests	Yes	Except in (d) performance tests involving only Method 9 (40 CFR part 60, Appendix A-4) require a 7-day advance notification instead of 30 days (§60.675(g)).
60.11, Compliance with standards and maintenance requirements	Yes	Except in (b) under certain conditions (§§60.675(c)), Method 9 (40 CFR part 60, Appendix A-4) observation is reduced from 3 hours to 30 minutes for fugitive emissions.
60.18, General control device	No	Flares will not be used to comply with the emission limits.

Table 2 to Subpart 000—Stack Emission Limits for Affected Facilities With Capture Systems

Table 2 to Subpart 000—Stack Emission Limits for Affected Facilities With Capture Systems

For * * *	The owner or operator must meet a PM limit of * * *	And the owner or operator must meet an opacity limit of * * *	The owner or operator must demonstrate compliance with these limits by conducting * * *
Affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008	0.05 g/dscm (0.022 gr/dscf) ^a	7 percent for dry control devices ^b	An initial performance test according to §60.8 of this part and §60.675 of this subpart; and Monitoring of wet scrubber parameters according to §60.674(a) and §60.676(c), (d), and (e).
Affected facilities (as defined in §§60.670 and 60.671) that commence construction, modification, or reconstruction on or after April 22, 2008	0.032 g/dscm (0.014 gr/dscf) ^a	Not applicable (except for individual enclosed storage bins) 7 percent for dry control devices on individual enclosed storage bins	An initial performance test according to §60.8 of this part and §60.675 of this subpart; and Monitoring of wet scrubber parameters according to §60.674(a) and §60.676(c), (d), and (e); and
			Monitoring of baghouses according to §60.674(c), (d), or (e) and §60.676(b).

^aExceptions to the PM limit apply for individual enclosed storage bins and other equipment. See §60.672(d) through (f).

^bThe stack opacity limit and associated opacity testing requirements do not apply for affected facilities using wet scrubbers.

Table 3 to Subpart 000—Fugitive Emission Limits

Table 3 to Subpart 000—Fugitive Emission Limits

For * * *	The owner or operator must meet the following fugitive emissions limit for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in §§60.670 and 60.671) * * *	The owner or operator must meet the following fugitive emissions limit for crushers at which a capture system is not used * * *	The owner or operator must demonstrate compliance with these limits by conducting * * *
Affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008	10 percent opacity	15 percent opacity	An initial performance test according to §60.11 of this part and §60.675 of this subpart.
Affected facilities (as defined in §§60.670 and 60.671) that commence construction, modification, or reconstruction on or after April 22, 2008	7 percent opacity	12 percent opacity	An initial performance test according to §60.11 of this part and §60.675 of this subpart; and Periodic inspections of water sprays according to §60.674(b) and §60.676(b); and
			A repeat performance test according to §60.11 of this part and §60.675 of this subpart within 5 years from the previous performance test for fugitive emissions from affected facilities without water sprays. Affected facilities controlled by water carryover from upstream water sprays that are inspected according to the requirements in §60.674(b) and §60.676(b) are exempt from this 5-year repeat testing requirement.

SECTION E.2

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: NSPS Subpart UUU for:

- (g) One (1) pellet mill and natural gas-fired dryer, identified as Pellet Mill, installed in 1996, pneumatically connected to a baghouse, identified as AY, installed in 2006, exhausted to Stack AY, capacity: 8.0 tons of nonmetallic minerals per hour and rated at 6.0 million British thermal units per hour. Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility. Under NSPS, 40 CFR Part 60.730, Subpart UUU, the dryer is an affected facility.
- (v) One (1) pellet mill and natural gas-fired fluid bed dryer, identified as Pellet Mill #2, approved for construction in 2011, with a maximum capacity of 4.0 tons of nonmetallic minerals per hour and rated at 10.0 million British thermal units per hour, connected pneumatically to a baghouse, identified as BL, and exhausting to Stack BL.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility. Under NSPS, 40 CFR Part 60.730, Subpart UUU, the dryer is an affected facility.

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

New Source Performance Standards (NSPS) Requirements [326 IAC 2-6]

E.2.1 General Provisions Relating to NSPS Subpart UUU [326 IAC 12] [40 CFR Part 60, Subpart A]

Pursuant to 40 CFR 60.736, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12 for the natural gas-fired dryers, as specified in 40 CFR Part 60, Subpart UUU in accordance with schedule in 40 CFR 60 Subpart UUU.

E.2.2 NSPS Subpart UUU Requirements [40 CFR Part 60, Subpart UUU] [326 IAC 12]

Pursuant to CFR Part 60, Subpart UUU, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart UUU, which are incorporated by reference as 326 IAC 12 for the natural gas-fired dryers, identified as part of the Pellet Mills as specified as follows.

Subpart UUU—Standards of Performance for Calciners and Dryers in Mineral Industries

Source: 57 FR 44503, Sept. 28, 1992, unless otherwise noted.

§ 60.730 Applicability and designation of affected facility.

(a) The affected facility to which the provisions of this subpart apply is each calciner and dryer at a mineral processing plant. Feed and product conveyors are not considered part of the affected facility. For the brick and related clay products industry, only the calcining and drying of raw materials prior to firing of the brick are covered.

(b) An affected facility that is subject to the provisions of subpart LL, Metallic Mineral Processing Plants, is not subject to the provisions of this subpart. Also, the following processes and process units used at mineral processing plants are not subject to the provisions of this subpart: vertical shaft kilns in the magnesium compounds industry; the chlorination-oxidation process in the titanium dioxide industry; coating kilns, mixers, and aerators in the roofing granules industry; and tunnel kilns, tunnel dryers, apron dryers, and grinding equipment that also dries the process material used in any of the 17 mineral industries (as defined in §60.731, "Mineral processing plant").

(c) The owner or operator of any facility under paragraph (a) of this section that commences construction, modification, or reconstruction after April 23, 1986, is subject to the requirements of this subpart.

§ 60.731 Definitions.

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

Calciner means the equipment used to remove combined (chemically bound) water and/or gases from mineral material through direct or indirect heating. This definition includes expansion furnaces and multiple hearth furnaces.

Control device means the air pollution control equipment used to reduce particulate matter emissions released to the atmosphere from one or more affected facilities.

Dryer means the equipment used to remove uncombined (free) water from mineral material through direct or indirect heating.

Installed in series means a calciner and dryer installed such that the exhaust gases from one flow through the other and then the combined exhaust gases are discharged to the atmosphere.

Mineral processing plant means any facility that processes or produces any of the following minerals, their concentrates or any mixture of which the majority (>50 percent) is any of the following minerals or a combination of these minerals: alumina, ball clay, bentonite, diatomite, feldspar, fire clay, fuller's earth, gypsum, industrial sand, kaolin, lightweight aggregate, magnesium compounds, perlite, roofing granules, talc, titanium dioxide, and vermiculite.

§ 60.732 Standards for particulate matter.

Each owner or operator of any affected facility that is subject to the requirements of this subpart shall comply with the emission limitations set forth in this section on and after the date on which the initial performance test required by §60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. No emissions shall be discharged into the atmosphere from any affected facility that:

(a) Contains particulate matter in excess of 0.092 gram per dry standard cubic meter (g/dscm) [0.040 grain per dry standard cubic foot (gr/dscf)] for calciners and for calciners and dryers installed in series and in excess of 0.057 g/dscm (0.025 gr/dscf) for dryers; and

(b) Exhibits greater than 10 percent opacity, unless the emissions are discharged from an affected facility using a wet scrubbing control device.

[57 FR 44503, Sept. 28, 1992, as amended at 65 FR 61778, Oct. 17, 2000]

§ 60.733 Reconstruction.

The cost of replacement of equipment subject to high temperatures and abrasion on processing equipment shall not be considered in calculating either the "fixed capital cost of the new components" or the "fixed capital cost that would be required to construct a comparable new facility" under §60.15. Calciner and dryer equipment subject to high temperatures and abrasion are: end seals, flights, and refractory lining.

§ 60.734 Monitoring of emissions and operations.

(a) With the exception of the process units described in paragraphs (b), (c), and (d) of this section, the owner or operator of an affected facility subject to the provisions of this subpart who uses a dry control device to comply with the mass emission standard shall install, calibrate, maintain, and operate a continuous monitoring system to measure and record the opacity of emissions discharged into the atmosphere from the control device.

(c) The owner or operator of a ball clay rotary dryer, a diatomite rotary dryer, a feldspar fluid bed dryer, a fuller's earth rotary dryer, a gypsum rotary dryer, a gypsum flash calciner, gypsum kettle calciner, an industrial sand rotary dryer, a kaolin rotary dryer, a kaolin multiple hearth furnace, a perlite expansion furnace, a talc flash dryer, a talc rotary dryer, a titanium dioxide direct or indirect rotary dryer or a vermiculite expansion furnace who uses a dry control device is exempt from the monitoring requirements of this section.

§ 60.735 Recordkeeping and reporting requirements.

(a) Records of the measurements required in §60.734 of this subpart shall be retained for at least 2 years.

(c) Each owner or operator shall submit written reports semiannually of exceedances of control device operating parameters required to be monitored by §60.734 of this subpart. For the purpose of these reports, exceedances are defined as follows:

(1) All 6-minute periods during which the average opacity from dry control devices is greater than 10 percent; or

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

[57 FR 44503, Sept. 28, 1992, as amended at 58 FR 40591, July 29, 1993]

§ 60.736 Test methods and procedures.

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

(b) The owner or operator shall determine compliance with the particulate matter standards in §60.732 as follows:

(1) Method 5 shall be used to determine the particulate matter concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm.

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

§ 60.737 Delegation of authority.

(a) In delegating implementation and enforcement authority to a State under section 111(c) of the Act, the authorities contained in paragraph (b) of this section shall be retained by the Administrator and not transferred to a State.

(b) Authorities which will not be delegated to States: No restrictions.

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

**MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

Source Name:	Cimbar Performance Minerals MV, LLC
Address:	2700 Bluff Road
City:	Mt. Vernon, Indiana 47620
Phone #:	812- 838-8330
MSOP #:	129-22660-00023

I hereby certify that Cimbar Performance Minerals MV. LLC is

- still in operation.
- no longer in operation.

I hereby certify that Cimbar Performance Minerals MV. LLC is

- in compliance with the requirements of MSOP 129-22660-00023.
- not in compliance with the requirements of MSOP 129-22660-00023.

Authorized Individual (typed):
Title:
Signature:
Date:

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

Noncompliance:

Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

326 IAC 1-6-1 Applicability of rule

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

326 IAC 1-2-39 "Malfunction" definition

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

***Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

**Minor Source Operating Permit
(MSOP) Renewal
OFFICE OF AIR QUALITY**

**Cimbar Performance Minerals MV, LLC
2700 Bluff Road
Mt. Vernon, Indiana 47620**

Attachment A

**MINERAL ORE PROCESSING FACILITY
FUGITIVE DUST CONTROL PLAN**

129-22660-00023

MINERAL ORE PROCESSING FACILITY FUGITIVE DUST CONTROL PLAN

Background

Fugitive dust sources from this site can be categorized into four groups: roadways, stockpiles, ore transportation, and process bin loading (interior). Ore stockpiles are located in three areas: inside, outside, and outside-under-shed. All stockpiles are contained within 8' high concrete bunkers. All roadways are paved. Transportation is by haul truck and front-end loader. Bin loading is by front-end loader. The three mineral ores processed are Talc, Barite, and Calcium Carbonate. Total site area is seven (7.0) acres.

Plan of Control

A. Person responsible for plan implementation:

Plant Manager
2700 Bluff Rd.
Mt. Vernon, IN 47620
(812) 838-8330 ext. 235

B. Roadway Control Measures

Fugitive particulate matter emissions from paved roads shall be controlled by one or more of the following:

- (1) watering (on an as needed basis).
- (2) vehicle speed shall not exceed 10 mph.

C. Stockpiles

Fugitive particulate matter emissions from ore stockpiles shall be controlled by one or more of the following:

- (1) watering of the stockpiles (on an as needed basis).
- (2) watering around the stockpile areas (on an as needed basis).

D. Transporting

Fugitive particulate matter emissions from the transportation of ore by truck, front-end loader, etc. shall be controlled by one or more of the following methods:

- (1) tarping of all trucks used to haul incoming ore shipments to the plantsite.
- (2) minimizing the vehicular distance required for ore transfers.
- (3) maintaining ten (10) mph speed limit.
- (4) watering stockpiles (on an as needed basis).

Note: "An as-needed basis" means the frequency or quantity of application necessary to minimize visible particulate matter emissions.

E. Bin loading
Fugitive particulate matter emissions from the loading of the process bin (inside) by the front-end loader shall be controlled by one or more of the following methods:

- (1) watering of the stockpiles (on an as needed basis).
- (2) minimizing the free-fall distance into the process bin.
- (3) decreasing the rate of discharge into the process bin.
- (4) minimizing the angle of discharge into the process bin.

Records shall be kept and maintained which document all control measures and activities to be implemented in accordance with the control plan. Said records shall be available upon the request of the commissioner, and shall be retained for three (3) years.

Last Updated: May 10, 2010
Initial Submission: September 24, 2007

Reference

The Indiana Administrative Code, Title 326 Air Pollution Control Board, Article 6: Particulate Rules, weblink:
<http://www.in.gov/legislative/iac/T03260/A00060.PDF?> . See page 12 for Rule 5: Fugitive Particulate Matter Emission Limitations.

**Indiana Department of Environmental Management
Office of Air Quality**

Technical Support Document (TSD) for a Significant Permit Revision to a
Minor Source Operating Permit (MSOP)

Source Description and Location

Source Name: Cimbar Performance Minerals MV, LLC
Source Location: 2700 Bluff Road, Mt. Vernon, Indiana 47620
County: Posey
SIC Code: 3295 (Minerals and Earths, Ground or Otherwise Treated)
Operation Permit No.: 129-22660-00023
Operation Permit Issuance Date: November 28, 2007
Significant Permit Revision No.: 129-31488-00023
Permit Reviewer: Brian Williams

On February 13, 2012, the Office of Air Quality (OAQ) received an application from Cimbar Performance Minerals MV, LLC related to a modification to an existing stationary talc, barite, and calcium carbonate processing plant.

Existing Approvals

The source was issued MSOP Renewal No. 129-22660-00023 on November 28, 2007. The source has since received the following approvals:

- (a) First Notice-Only Change No.: 129-23559-00003, issued October 26, 2006
- (b) Second Notice-Only Change No.: 129-25772-00023, issued January 17, 2008
- (c) Third Notice-Only Change No.: 129-28690-00023, issued December 3, 2009
- (d) Fourth Notice-Only Change No.: 129-29181-00023, issued June 8, 2010
- (e) Fifth Notice-Only Change No.: 129-30446-00023, issued on May 10, 2011
- (f) First Significant Permit Revision No. 129-31043-00023, issued on February 7, 2012

County Attainment Status

The source is located in Posey County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM _{2.5} .	

- (a) **Ozone Standards**
Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Posey County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM_{2.5}**
Posey County has been classified as attainment for PM_{2.5}. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions. These rules became effective on July 15, 2008. On May 4, 2011 the air pollution control board issued an emergency rule establishing the direct PM_{2.5} significant level at ten (10) tons per year. This rule became effective, June 28, 2011. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.
- (c) **Other Criteria Pollutants**
Posey County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

- (a) The fugitive emissions of criteria pollutants, hazardous air pollutants, and greenhouse gases are counted toward the determination of 326 IAC 2-6.1 (Minor Source Operating Permits) applicability.
- (b) Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard 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.

Status of the Existing Source

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

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)									
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e	Total HAPs	Worst Single HAP
All Integral Control Units subject to NSPS OOO/UUU	59.4	59.4	59.4	0	0	0	0	0	0	0
Pellet Mill #2	9.4	9.4	9.4	0	0	0	0	0	0	0
Roller Mill	4.05	4.05	4.05	0	0	0	0	0	0	0
Impact Mill	4.05	4.05	4.05	0	0	0	0	0	0	0
#1 Bepex	0.912	0.912	0.912	0	0	0	0	0	0	0
Ball Mill	2.61	2.61	2.61	0	0	0	0	0	0	0
Nat. Gas Comb.	0.13	0.53	0.483	0.05	7.01	0.38	5.89	8,461	0.13	0.12
Crusher System	0.153	0.153	0.153	0	0	0	0	0	0	0
Paved Roads	10.4	2.02	2.02	0	0	0	0	0	0	0
Loading & Unload	0.354	0.354	0.354	0	0	0	0	0	0	0
Total PTE of Entire Source	91.42	83.49	83.44	0.04	7.01	0.39	5.89	8,461	<25	<10
Title V Major Source Thresholds	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	100,000	NA	NA
*Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant". These emissions are based upon TSD to FESOP SPR No. 129-31043-00023, issued on February 7, 2012										

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by Cimbar Performance Minerals MV, LLC on February 13, 2012, relating to the construction and operation of a new twin air jet milling system, consisting of two mills exhausting to one baghouse and two new storage silos exhausting to one baghouse.

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

- (a) One (1) twin air jet milling system, identified as BM, consisting of mills # 9 & 10, approved for construction in 2012, for dry material size reduction of talc products, with a maximum throughput capacity of two (2.0) tons of talc per hour, connected pneumatically to one (1) integral baghouse, identified as BM, for product reclamation, and exhausting outside the building through Stack BM.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.

- (b) Two (2) storage silos, identified as Silo #20 and Silo #21, approved for construction in 2012, with a maximum throughput capacity of 14.0 tons of nonmetallic minerals per hour, each, connected pneumatically to one (1) integral baghouse, identified as BN, and exhausted to Stack BN.

Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected

facilities.

Upon further review, IDEM has revised the existing potential to emit calculations as follows:

- (1) The PM emission calculations for the pellet mill and natural gas-fired dryer, identified as Pellet Mill incorrectly converted the NSPS Subpart UUU emission limit of 0.025 grains/dscf to grams instead of grains (See Appendix A for the correct calculations). The correct calculation should have used the NSPS Subpart UUU emission limit of 0.057 grams/dscm, which equates to a potential to emit after control of 15.16 tons per year, instead of 6.65 tons per year. However, using the NSPS Subpart OOO emission limit of 0.05 grams/dscm, equates to a potential to emit after control of 13.294 tons per year, which is more stringent than the NSPS Subpart UUU emission limit. This revision did not require any changes to the existing PM emission limit in Condition D.1.1.
- (2) The PM emission calculations for the pellet mill and natural gas-fired dryer, identified as Pellet Mill #2 have been revised since an average moisture content of 6.5% was incorrectly used (See Appendix A for the correct calculations). According to Appendix A to the TSD in FESOP SPR No. 129-31043-00023, issued on February 7, 2012 the correct average moisture content is 0.5%. This equates to a potential to emit after control of 5.615 tons per year instead of 5.277 tons per year for the pellet mill, which is subject to NSPS Subpart OOO and a potential to emit after control of 10.0 tons per year instead of 9.40 tons per year for the natural gas-fired dryer, which is subject to NSPS Subpart UUU. Therefore, using the NSPS Subpart OOO emission limit, results in the most stringent emissions. This revision did not require any changes to the existing PM, PM10, and PM2.5 emission limits in Condition D.1.1.
- (3) The PM emission calculations for the twin air jet milling systems, identified as BJ and BK incorrectly converted the NSPS Subpart OOO emission limit of 0.014 grains/dscf to grams instead of grains (See Appendix A for the correct calculations). The correct calculation should have used the NSPS Subpart OOO emission limit of 0.032 grams/dscm. As a result, the potential to emit after control decreased from 1.923 tons per year to 1.226 tons per year for each system. This revision did not require any changes to the existing PM, PM10, and PM2.5 emission limits in Condition D.1.1.

“Integral Part of the Process” Determination

The Permittee has submitted the following information to justify why the baghouses (BM and BN) should be considered an integral part of the new twin air jet milling system and storage silos:

The control equipment serves a primary purpose other than pollution control.

The primary purpose of the two (2) baghouses (BM and BN) is not to control air pollution. The two (2) baghouses (BM and BN) are used to pneumatically collect and separate resized talc material from the new twin air jet milling system's talc processing operations and talc storage silos. This equipment would have been installed even if the air quality regulation were not in place, because it is used as an air separator, specifically to collect product (i.e., the talc). The product being manufactured could not be produced without the operation of the baghouse.

IDEM, OAQ has evaluated the information submitted by the Permittee, and agrees that the two (2) baghouses (BM and BN) should be considered an integral part of the new twin air jet milling system, identified as BM and the two (2) new storage silos, identified as BN. This determination is based on the fact that the unit is specifically used to collect and separate the product, talc, from the air stream, for packaging and sale. Therefore, the permitting level will be determined using the potential to emit after the two baghouses (BM and BN). Operating conditions in the proposed permit will specify that these baghouses (BM and BN) shall operate at all times when the new twin air jet milling system and storage silos are in operation.

This determination is similar to the initial determination made for the twin air mill (AU) baghouse, under MSOP SPR No. 129-17710-00023, issued on March 23, 2004, and re-evaluated under MSOP Renewal

PTE of the Entire Source After Issuance of the MSOP Revision

The table below summarizes the potential to emit of the entire source, 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	PM10 ¹	PM2.5	SO ₂	NOx	VOC	CO	GHGs as CO _{2e}	Total HAPs	Worst Single HAP
All Integral Control Units subject to NSPS OOO/UUU ^{2,3}	59.4 72.70	59.4 72.70	59.4 72.70	0	0	0	0	0	0	0
Pellet Mill #2	9.4	9.4	9.4	0	0	0	0	0	0	0
Twin Air Jet Mills #9 & #10	1.23	1.23	1.23	0	0	0	0	0	0	0
Silos #20 & #21	1.04	1.04	1.04	0	0	0	0	0	0	0
Roller Mill ³	4.05 32.19	4.05	4.05	0	0	0	0	0	0	0
Impact Mill ³	4.05 32.19	4.05	4.05	0	0	0	0	0	0	0
#1 Bepex ³	0.912 14.45	0.912	0.912	0	0	0	0	0	0	0
Ball Mill ³	2.61 41.30	2.61	2.61	0	0	0	0	0	0	0
Nat. Gas Comb.	0.13	0.53	0.483	0.05	7.01	0.38	5.89	8,461	0.13	0.12
Crusher System ³	0.153 11.08	0.153	0.153	0	0	0	0	0	0	0
Paved Roads	10.4	2.02	2.02	0	0	0	0	0	0	0
Loading & Unload	0.354	0.354	0.354	0	0	0	0	0	0	0
Total PTE of Entire Source	91.42 217.03	83.49 89.65	83.44 89.65	0.04	7.01	0.39	5.89	8,461	<25	<10
Title V Major Source Thresholds	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	100,000	NA	NA

¹ Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".
² The limited potential to emit from Pellet Mill #2 has been combined into the limited PTE of "All Integral Control Units Subject to NSPS OOO/UUU."
³ In order to render the requirements of 326 IAC 2-2 (PSD) not applicable the source has accepted PM emission limits higher than the potential PM emission rates for the twin air jet mills (BJ & BK), pellet mill #2, roller mill, impact mill, #1 Bepex, ball mill, and crusher system. Therefore, the limited PM emissions are shown since these are the enforceable limits for these emission units.

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

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Revision (tons/year)									
	PM	PM10 ¹	PM2.5	SO ₂	NOx	VOC	CO	GHGs as CO ₂ e	Total HAPs	Worst Single HAP
All Integral Control Units subject to NSPS OOO/UUU ²	72.70	72.70	72.70	0	0	0	0	0	0	0
Twin Air Jet Mills #9 & #10	1.23	1.23	1.23	0	0	0	0	0	0	0
Silos #20 & #21	1.04	1.04	1.04	0	0	0	0	0	0	0
Roller Mill ²	32.19	4.05	4.05	0	0	0	0	0	0	0
Impact Mill ²	32.19	4.05	4.05	0	0	0	0	0	0	0
#1 Bepex ²	14.45	0.912	0.912	0	0	0	0	0	0	0
Ball Mill ²	41.30	2.61	2.61	0	0	0	0	0	0	0
Nat. Gas Comb.	0.13	0.53	0.483	0.05	7.01	0.38	5.89	8,461	0.13	0.12
Crusher System ²	11.08	0.153	0.153	0	0	0	0	0	0	0
Paved Roads	10.4	2.02	2.02	0	0	0	0	0	0	0
Loading & Unload	0.354	0.354	0.354	0	0	0	0	0	0	0
Total PTE of Entire Source³	217.03	89.65	89.65	0.04	7.01	0.39	5.89	8,461	<25	<10
Title V Major Source Thresholds	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	100,000	NA	NA

negl. = negligible

¹ Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".

² In order to render the requirements of 326 IAC 2-2 (PSD) not applicable the source has accepted PM emission limits higher than the potential PM emission rates for the twin air jet mills (BJ & BK), pellet mill #2, roller mill, impact mill, #1 Bepex, ball mill, and crusher system. Therefore, the limited PM emissions are shown since these are the enforceable limits for these emission units.

³ PM, PM10, and PM2.5 emissions have been limited to render the requirements of 326 IAC 2-2 (PSD) not applicable since the potential to emit before control is used when evaluating State and Federal Rule applicability. With integral to the process operations the potential to emit after control is only used for permit level determination.

MSOP Status

- (a) This revision to an existing Title V minor stationary source will not change the minor status, because the uncontrolled/unlimited 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 2-6.1 (MSOP).
- (b) This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

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

- (1) The facilities listed in the following table shall not exceed the pound per hour emission rates:

Facility Description	Baghouse Identification	Limited PM Emission Rate (lbs/hr)	Limited PM10 Emission Rate (lbs/hr)*	Limited PM2.5 Emission Rate (lbs/hr)*
Crusher System	None	2.53	0.035	0.035
North Silo	B	0.262	0.262	0.262
South Silo	C	0.262	0.262	0.262
Roller Mill	D	7.35	0.926	0.926
Classifier #1	E	0.235	0.235	0.235
Red Silo	F	0.227	0.227	0.227
Green Silo	G	0.227	0.227	0.227
Blue Silo	H	0.227	0.227	0.227
Yellow Silo	I	0.303	0.303	0.303
Pink Silo	J	0.303	0.303	0.303
Orange Silo	K	0.349	0.349	0.349
Impact Mill	M	7.35	0.926	0.926
#1 Silo	N	0.136	0.136	0.136
#2 Silo	O	0.136	0.136	0.136
#3 Silo	P	0.136	0.136	0.136
#4 Silo	Q	0.136	0.136	0.136
#5 Silo	R	0.227	0.227	0.227
#6 Silo	S	0.227	0.227	0.227
#7 Silo	T	0.227	0.227	0.227
#8 Silo	U	0.227	0.227	0.227
#9 Silo	V	0.227	0.227	0.227
#10 Silo	W	0.227	0.227	0.227
#11 Silo	X	0.227	0.227	0.227
#1 Bepex	Y	3.30	0.208	0.208
Ball Mill	Z	9.43	0.595	0.595
#12 Silo	AA	0.146	0.146	0.146
#13 Silo	AB	0.146	0.146	0.146
Classifier #3	AC	0.224	0.224	0.224
Silo A	AG	0.103	0.103	0.103
Silo B	AH	0.235	0.235	0.235
Silo C	AI	0.103	0.103	0.103
Silo D	AJ	0.103	0.103	0.103
Silo #14	AK	0.227	0.227	0.227
Common Baghouse	AM	0.103	0.103	0.103
Silo #15	AO	0.262	0.262	0.262
Single Air Mill (powder)	AP	0.560	0.560	0.560
Silo #16	AS	0.174	0.174	0.174
Silo #17	AT	0.174	0.174	0.174

Facility Description	Baghouse Identification	Limited PM Emission Rate (lbs/hr)	Limited PM10 Emission Rate (lbs/hr)*	Limited PM2.5 Emission Rate (lbs/hr)*
Twin Air Mill	AU	0.776	0.776	0.776
Silo #18	AV	0.212	0.212	0.212
Silo #19	AW	0.212	0.212	0.212
#3 Air Mill	AX	0.371	0.371	0.371
Pellet Mill & Nat. Gas Dryer	AY	3.04	3.04	3.04
Classifier #2	BA	0.270	0.270	0.270
Pellet Mill Transfer	BB	0.119	0.119	0.119
Product Recycling Bin	BC	0.523	0.523	0.523
R1 Bin	BD	0.270	0.270	0.270
Auto Packaging Machine Op.	BF	0.523	0.523	0.523
Cosmetic Circuit Receiver	BG	0.274	0.274	0.274
Bulk Truck Loadout	BH	0.262	0.262	0.262
Bulk Railcar Loadout	BI	0.262	0.262	0.262
Twin Air Jet Mill	BJ	0.123	0.123	0.123
Twin Air Jet Mill	BK	0.123	0.123	0.123
Pellet Mill #2 & Nat. Gas Dryer	BL	2.15	2.15	2.15
Twin Air Jet Mill #9 & #10**	BM	0.280	0.280	0.280
Silos #20 & #21**	BN	0.238	0.238	0.238

* The source-wide potential to emit PM10 and PM2.5 before control is greater than 250 tons per year. Therefore, PM, PM10, and PM2.5 emissions have been limited to render the requirements of 326 IAC 2-2 (PSD) not applicable since the potential to emit before control is used when evaluating State and Federal Rule applicability. With integral to the process operations the potential to emit after control is only used for permit level determination. Note: The PM10 and PM2.5 emission limits are new. This is a Title 1 Change.
 ** New emission limits have been included in this permit for the twin air jet mill #9 and #10 and the storage silos #20 and #21 due to this revision.

Compliance with these limits, combined with the potential to emit PM, PM10, and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit of PM to less than 250 tons per 12 consecutive month period, PM10 and PM2.5 to less than 100 tons per 12 consecutive month period, each, and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

- (c) This revision will not change the minor status of the source, because the uncontrolled/unlimited potential to emit of any single HAP will still be less than ten (10) tons per year and the PTE of a combination of HAPs will still be less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.
- (d) This revision will not change the minor status of the source, because the uncontrolled/unlimited potential to emit greenhouse gases (GHGs) will still be less than the Title V subject to regulation threshold of one hundred thousand (100,000) tons of CO₂ equivalent emissions (CO₂e) per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) The new twin air jet milling system (#9 and #10) and the two (2) storage silos (#20 and #21) are subject to the New Source Performance Standards for Nonmetallic Mineral Processing Plants (40 CFR 60, Subpart OOO), because the twin air jet milling system is a grinding mill and the storage silos are storage bins located at a nonmetallic mineral (talc) processing plant. Therefore, the requirements of 40 CFR 60, Subpart OOO apply to these affected facilities.

Note: This NSPS contains applicable testing requirements for the twin air jet milling system (#9 and #10) and the two (2) storage silos (#20 and #21).

The requirements of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated as 326 IAC 12-1, apply to the twin air milling system (#9 and #10) and the two (2) storage silos (#20 and #21) except as otherwise specified in 40 CFR 60, Subpart OOO.

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

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (a) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included for this proposed revision.

Compliance Assurance Monitoring (CAM)

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

State Rule Applicability Determination

The following state rules are applicable to the proposed revision:

- (a) 326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))
MSOP applicability is discussed under the Permit Level Determination – MSOP section above.
- (b) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))
This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply. See PTE of the Entire Source After Issuance of the MSOP Revision Section above.
- (c) 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, since the unlimited potential to emit of HAPs from the new emission units 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.
- (d) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.

- (e) 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.
- (f) 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.

Twin Air Jet Milling #9 and #10 and Storage Silos #20 and #21

- (a) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
 Pursuant to 326 IAC 6-3-1(e)(5), the twin air jet milling system (#9 and #10) and the two (2) storage silos (#20 and #21) are exempt from the requirements of 326 IAC 6-3-2 because each emission unit is subject to a limit in NSPS Subpart OOO that is more stringent than the 326 IAC 6-3-2 limit. Therefore, 326 IAC 6-3-2 does not apply to these emission units.
- (b) There are no other 326 IAC 8 Rules that are applicable to these emission units because they do not have the potential to emit VOC.
- (c) 326 IAC 12 (New Source Performance Standards)
 See Federal Rule Applicability Section of this TSD.

Compliance Determination, Monitoring and Testing Requirements
--

- (a) The compliance determination and monitoring requirements applicable to this proposed revision are as follows:

Emission Unit/Control	Operating Parameters	Frequency
Twin Air Jet Milling System #9 and #10/Baghouse BM	Pressure Drop	Once per day
Storage Silos #20 and #21/Baghouse BN	Pressure Drop	Once per day

- (b) The testing requirements applicable to this proposed revision are as follows:

Testing Requirements				
Emission Unit	Control Device	Pollutant	Timeframe for Testing	Frequency of Testing
Twin Air Jet Milling System #9 and #10	BM	PM and Opacity	within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup	Once every five (5) years

Testing Requirements				
Emission Unit	Control Device	Pollutant	Timeframe for Testing	Frequency of Testing
Storage Silos #20 and #21	BN	PM and Opacity	within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup	Once every five (5) years

These testing requirements are necessary to ensure compliance with NSPS Subpart OOO.

Proposed Changes

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

- (1) Sections A.2, D.1, and E.1 have been revised to include descriptive information for the two new emission units.
- (2) Condition D.1.1 has been revised to include PM, PM10, and PM2.5 emission limits for the new twin air jet milling system and storage silos. In addition, IDEM has added PM10 and PM2.5 emission limits for the existing emission units since the source-wide potential to emit PM10 and PM2.5 before control is greater than 250 tons per year. Therefore, PM10 and PM2.5 emissions have been limited to render the requirements of 326 IAC 2-2 (PSD) not applicable since the potential to emit before control is used when evaluating State and Federal Rule applicability. With integral to the process operations the potential to emit after control is only used for permit level determination. This is a Title 1 Change.
- (3) Conditions D.1.4, D.1.5, D.1.6, D.1.7, and D.1.9 have been revised to include applicable requirements for the new emission units and baghouses.

...
 A.2 Emission Units and Pollution Control Equipment Summary

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

- ...
- (w) **One (1) twin air jet milling system, identified as BM, consisting of mills # 9 & 10, approved for construction in 2012, for dry material size reduction of talc products, with a maximum throughput capacity of two (2.0) tons of talc per hour, connected pneumatically to one (1) integral baghouse, identified as BM, for product reclamation, and exhausting outside the building through Stack BM.**

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.
 - (x) **Two (2) storage silos, identified as Silo #20 and Silo #21, approved for construction in 2012, with a maximum throughput capacity of 14.0 tons of nonmetallic minerals per hour, each, connected pneumatically to one (1) integral baghouse, identified as BN, and exhausted to Stack BN.**

Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.
- ...

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Entire Source	
...	
(w)	<p>One (1) twin air jet milling system, identified as BM, consisting of mills # 9 & 10, approved for construction in 2012, for dry material size reduction of talc products, with a maximum throughput capacity of two (2.0) tons of talc per hour, connected pneumatically to one (1) integral baghouse, identified as BM, for product reclamation, and exhausting outside the building through Stack BM.</p> <p>Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.</p>
(x)	<p>Two (2) storage silos, identified as Silo #20 and Silo #21, approved for construction in 2012, with a maximum throughput capacity of 14.0 tons of nonmetallic minerals per hour, connected pneumatically to one (1) integral baghouse, identified as BN, and exhausted to Stack BN.</p> <p>Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.</p>
...	

D.1.1 PSD Minor Limits [326 IAC 2-2]

(a) Particulate matter (PM) from **In order to render 326 IAC 2-2 not applicable, the** facilities listed in the following table shall not exceed the pound per hour emission rates:

Facility Description	Baghouse Identification	Limited PM Emission Rate (lbs/hr)	Limited PM10 Emission Rate (lbs/hr)	Limited PM2.5 Emission Rate (lbs/hr)
Crusher System	None	2.53	0.035	0.035
North Silo	B	0.262	0.262	0.262
South Silo	C	0.262	0.262	0.262
Roller Mill	D	7.35	0.926	0.926
Classifier #1	E	0.235	0.235	0.235
Red Silo	F	0.227	0.227	0.227
Green Silo	G	0.227	0.227	0.227
Blue Silo	H	0.227	0.227	0.227
Yellow Silo	I	0.303	0.303	0.303
Pink Silo	J	0.303	0.303	0.303
Orange Silo	K	0.349	0.349	0.349
Impact Mill	M	7.35	0.926	0.926
#1 Silo	N	0.136	0.136	0.136
#2 Silo	O	0.136	0.136	0.136
#3 Silo	P	0.136	0.136	0.136
#4 Silo	Q	0.136	0.136	0.136
#5 Silo	R	0.227	0.227	0.227
#6 Silo	S	0.227	0.227	0.227
#7 Silo	T	0.227	0.227	0.227
#8 Silo	U	0.227	0.227	0.227
#9 Silo	V	0.227	0.227	0.227
#10 Silo	W	0.227	0.227	0.227
#11 Silo	X	0.227	0.227	0.227
#1 Bepex	Y	3.30	0.208	0.208
Ball Mill	Z	9.43	0.595	0.595

Facility Description	Baghouse Identification	Limited PM Emission Rate (lbs/hr)	Limited PM10 Emission Rate (lbs/hr)	Limited PM2.5 Emission Rate (lbs/hr)
#12 Silo	AA	0.146	0.146	0.146
#13 Silo	AB	0.146	0.146	0.146
Classifier #3	AC	0.224	0.224	0.224
Silo A	AG	0.103	0.103	0.103
Silo B	AH	0.235	0.235	0.235
Silo C	AI	0.103	0.103	0.103
Silo D	AJ	0.103	0.103	0.103
Silo #14	AK	0.227	0.227	0.227
Common Baghouse	AM	0.103	0.103	0.103
Silo #15	AO	0.262	0.262	0.262
Single Air Mill (powder)	AP	0.560	0.560	0.560
Silo #16	AS	0.174	0.174	0.174
Silo #17	AT	0.174	0.174	0.174
Twin Air Mill	AU	0.776	0.776	0.776
Silo #18	AV	0.212	0.212	0.212
Silo #19	AW	0.212	0.212	0.212
#3 Air Mill	AX	0.371	0.371	0.371
Pellet Mill & Nat. Gas Dryer	AY	3.04	3.04	3.04
Classifier #2	BA	0.270	0.270	0.270
Pellet Mill Transfer	BB	0.119	0.119	0.119
Product Recycling Bin	BC	0.523	0.523	0.523
R1 Bin	BD	0.270	0.270	0.270
Auto Packaging Machine Op.	BF	0.523	0.523	0.523
Cosmetic Circuit Receiver	BG	0.274	0.274	0.274
Bulk Truck Loadout	BH	0.262	0.262	0.262
Bulk Railcar Loadout	BI	0.262	0.262	0.262
Twin Air Jet Mill	BJ	0.123	0.123	0.123
Twin Air Jet Mill	BK	0.123	0.123	0.123
Pellet Mill #2 & Nat. Gas Dryer	BL	2.15	2.15	2.15
Twin Air Jet Mill #9 & #10	BM	0.280	0.280	0.280
Silos #20 & #21	BN	0.238	0.238	0.238

Compliance with these PM limits and potential PM emissions from other emission units at this source shall limit PM emissions to less than two hundred fifty (250) tons per year and renders the entire source minor with respect to 326 IAC 2-2 (PSD).

(b) PM10 and PM2.5 from facilities listed below shall not exceed the pound per hour emission rates:

(1) The pellet mill, identified as Pellet Mill #2, shall not exceed 2.15 pounds of PM10 per hour.

(2) The pellet mill, identified as Pellet Mill #2, shall not exceed 2.15 pounds of PM2.5 per hour.

Compliance with these limitations, combined with the limits and emissions from other emission

~~units at this source will render 326 IAC 2-7, Part 70, and 326 IAC 2-2, PSD, not applicable.~~

Compliance with these limits, combined with the potential to emit PM, PM10, and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit of PM to less than 250 tons per 12 consecutive month period, PM10 and PM2.5 to less than 100 tons per 12 consecutive month period, each, and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

...

D.1.4 Particulate Control

- (a) In order to comply with Conditions D.1.1 and D.1.2, the baghouses, identified as B through Z, AA through AC, AG through AM, AO and AP, AS through AY, BA through BD and BF through BLN for particulate control shall be in operation and control emissions from the talc, barite and calcium carbonate processing facilities at all times that these facilities are in operation.

...

D.1.5 Testing Requirements [326 IAC 2-1.1-11]

...

- (j) **In order to demonstrate compliance with Condition E.1.2, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, the Permittee shall perform PM and opacity testing of the twin air jet milling system, identified as BM, connected pneumatically to a baghouse, identified as BM, exhausted to Stack BM, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.**
- (k) **In order to demonstrate compliance with Condition E.1.2, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, the Permittee shall perform PM and opacity testing of the two (2) storage silos, identified as #20 and #21, connected pneumatically to a baghouse, identified as BN, exhausted to Stack BN, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.**

D.1.6 Visible Emissions Notations

- (a) Visible emission notations of the talc, barite and calcium carbonate processing stack exhausts, identified as B through Z, AA through AC, AG through AM, AO and AP, AS through AY, BA through BD and BF through BLN, shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

...

D.1.7 Baghouse Parametric Monitoring

- (a) The Permittee shall record the pressure drop across the baghouses, identified as B through Z, AA through AC, AG through AM, AY, BA through BD and BF through BLN, used in conjunction with the talc, barite and calcium carbonate processing facilities at least once per day when these facilities are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with

regard to the reasonable response steps required by this condition. 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.

...

D.1.9 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.6, the Permittee shall maintain a daily record of visible emission notations of the talc, barite and calcium carbonate processing baghouse stack exhausts, identified as B through Z, AA through AC, AG through AM, AO and AP, AS through AY, BA through BD and BF through BLN. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the roller miller exhausted to Stack D did not operate that day).
- (b) To document the compliance status with Condition D.1.7, the Permittee shall maintain a daily record of the pressure drop across the baghouses, identified as B through Z, AA through AC, AG through AM, AO and AP, AS through AY, BA through BD and BF through BLN, controlling talc, barite and calcium carbonate processing facilities. 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 roller miller did not operate that day).

...

SECTION E.1

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: NSPS Subpart OOO for:

...

- (w) **One (1) twin air jet milling system, identified as BM, consisting of mills # 9 & 10, approved for construction in 2012, for dry material size reduction of talc products, with a maximum throughput capacity of two (2.0) tons of talc per hour, connected pneumatically to one (1) integral baghouse, identified as BM, for product reclamation, and exhausting outside the building through Stack BM.**

Under NSPS, 40 CFR Part 60.670, Subpart OOO, this is a grinding mill and is an affected facility.

- (x) **Two (2) storage silos, identified as Silo #20 and Silo #21, approved for construction in 2012, with a maximum throughput capacity of 14.0 tons of nonmetallic minerals per hour, each connected pneumatically to one (1) integral baghouse, identified as BN, and exhausted to Stack BN.**

Under NSPS, 40 CFR Part 60.670, Subpart OOO, these are storage bins and are affected facilities.

...

- (b) Upon further review, IDEM, OAQ has decided to make the following changes to the permit. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:
- (1) Condition D.1.5(i) inadvertently referenced Condition D.1.2 instead of Condition D.1.1. Therefore, IDEM has revised Condition D.1.5(i) to correct this error. This is a Title 1 Change.
- (2) The two (2) twin air jet milling systems, identified as BJ and BK are affected facilities under NSPS Subpart OOO. As a result, each system has applicable testing requirements. However, these emission units are not referenced in Condition D.1.5 - Testing Requirements. The source performed the testing required under NSPS Subpart OOO on August 10, 2010 for the twin air jet milling system, identified as BJ. On January 26, 2012 the source submitted the test protocol for the twin air jet milling system, identified as BK. As a result, IDEM has revised Condition D.1.5 to include the applicable

testing requirements for these emission units. This is a Title 1 Change.

- (3) IDEM, OAQ, has decided to clarify Condition D.1.7 - Baghouse Parametric Monitoring.

...

D.1.5 Testing Requirements [326 IAC 2-1.1-11]

...

- (g) In order to demonstrate compliance with Condition E.1.2, no later than five (5) years from the most recent valid compliance demonstration, the Permittee shall perform PM and opacity testing of the twin air jet milling system, identified as BJ, connected pneumatically to a baghouse, identified as BJ, exhausted to Stack BJ, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.
- (h) In order to demonstrate compliance with Condition E.1.2, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, the Permittee shall perform PM and opacity testing of the twin air jet milling system, identified as BK, connected pneumatically to a baghouse, identified as BK, exhausted to Stack BK, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.
- (gi) In order to demonstrate compliance with Conditions D.1.21, E.1.2 and E.2.2, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, the Permittee shall perform PM, PM10 PM2.5 and opacity testing of the pellet mill and natural gas-fired dryer, identified as Pellet Mill #2, connected pneumatically to a baghouse, identified as BL, exhausted to Stack BL, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

...

D.1.7 Baghouse Parametric Monitoring

- (a) The Permittee shall record the pressure drop across the baghouses, identified as B through Z, AA through AC, AG through AM, AY, BA through BD and BF through BLN, used in conjunction with the talc, barite and calcium carbonate processing facilities at least once per day when these facilities are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response. **The normal range for these units is a pressure drop between 3.0 and 6.0 inches of water 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 Permittee shall record the pressure drop across the baghouses, identified as AO, AP and AS through AX, used in conjunction with the talc, barite and calcium carbonate processing facilities at least once per day when these facilities are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of ~~3.0 and 5.0 inches of water~~ or a range established during the latest stack test, the Permittee shall take reasonable response. **The normal range for these units is a pressure drop between 3.0 and 5.0 inches of water 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.

...

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on February 13, 2012.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed MSOP Significant Revision No. 129-31488-00023. The staff recommends to the Commissioner that this MSOP Significant Revision be approved.

IDEM Contact

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

**Appendix A: Emission Calculations
Summary of Emissions**

Company Name: Cimbar Performance Minerals MV, LLC
Address City IN Zip: 2700 Bluff Road, Mt. Vernon, Indiana 47620
Permit Number: 129-31488-00023
Reviewer: Brian Williams

Integral and Uncontrolled Potential Emissions (tons/year)										
Process/Emission Unit	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHGs as CO2e	Total HAPs	Single HAP
All Integral Control Units Subject to NSPS OOO/UUU*	70.27	70.27	70.27	0	0	0	0	0	0	0
Roller Mill*	4.05	4.05	4.05	0	0	0	0	0	0	0
Impact Mill*	4.05	4.05	4.05	0	0	0	0	0	0	0
#1 Bepex*	0.91	0.91	0.91	0	0	0	0	0	0	0
Ball Mill*	2.61	2.61	2.61	0	0	0	0	0	0	0
Natural Gas Combustion	0.13	0.53	0.53	0.04	7.01	0.39	5.89	8,460.78	0.13	0.126
Crusher System	0.15	0.15	0.15	0	0	0	0	0	0	0
Paved Roads	10.35	2.02	2.02	0	0	0	0	0	0	0
Loading and Unload	0.35	0.35	0.35	0	0	0	0	0	0	0
Subtotal	92.89	84.96	84.96	0.04	7.01	0.39	5.89	8,460.78	0.13	0.13
New Units										
Twin Air Jet Mills #9, #10*	1.23	1.23	1.23	0	0	0	0	0	0	0
Silos #20, #21*	1.04	1.04	1.04	0	0	0	0	0	0	0
Subtotal	2.27	2.27	2.27	0	0	0	0	0	0	0
Combined Total	95.16	87.23	87.23	0.04	7.01	0.39	5.89	8,460.78	0.13	0.13

* The baghouses for these emission units have been determined to be integral to the process. Therefore, the unlimited potential to emit will be determined after control for permit level determination.

Limited Emissions (tons/year)										
Process/Emission Unit	PM*	PM10*	PM2.5*	SO2	NOx	VOC	CO	GHGs as CO2e	Total HAPs	Single HAP
All Integral Control Units Subject to NSPS OOO/UUU	72.70	72.70	72.70	0	0	0	0	0	0	0
Twin Air Jet Mills #9, #10	1.23	1.23	1.23	0	0	0	0	0	0	0
Silos #20, #21	1.04	1.04	1.04	0	0	0	0	0	0	0
Roller Mill	32.19	4.05	4.05	0	0	0	0	0	0	0
Impact Mill	32.19	4.05	4.05	0	0	0	0	0	0	0
#1 Bepex	14.45	0.91	0.91	0	0	0	0	0	0	0
Ball Mill	41.30	2.61	2.61	0	0	0	0	0	0	0
Natural Gas Combustion	0.13	0.53	0.53	0.04	7.01	0.39	5.89	8,460.78	0.13	0.126
Crusher System	11.08	0.15	0.15	0	0	0	0	0	0	0
Paved Roads	10.35	2.02	2.02	0	0	0	0	0	0	0
Loading and Unload	0.35	0.35	0.35	0	0	0	0	0	0	0
Total	217.03	89.65	89.65	0.04	7.01	0.39	5.89	8,460.78	0.13	0.13

* PM, PM10, and PM2.5 emissions have been limited to render the requirements of 326 IAC 2-2 (PSD) not applicable since the potential to emit before control is used when evaluating State and Federal Rule applicability. With integral to the process operations the potential to emit after control is only used for permit level determination.

**Appendix A: Emission Calculations
Twin Air Jet Milling System #9 and #10
Storage Silos #20 and #21**

Company Name: Cimbar Performance Minerals MV, LLC
Address City IN Zip: 2700 Bluff Road, Mt. Vernon, Indiana 47620
Permit Number: 129-31488-00023
Reviewer: Brian Williams

**Facilities Subject to
Requirements of NSPS
Subpart OOO**

Facility Description	Baghouse ID ¹	Control Efficiency (%)	Allowable Loading per Dry Cubic meter of Outlet Air ² (grams/cubic meter)	Gas or Air Flow Rate (acfm.)	Exhaust Temp. (F)	Average Moisture Content	PM/PM-10/PM2.5 Emission Rate after Controls (lbs/hr)	PM/PM-10/PM2.5 Emission Rate after Controls (tons/yr)	PM/PM-10/PM2.5 Emission Rate before Controls (lbs/hr)	PM/PM-10/PM2.5 Emission Rate before Controls (tons/yr)
Bepex Air Mill Room										
Twin Air Jet Mills #9, #10	BM	99.9%	0.032	3,600.0	350.0	0.5%	0.280	1.23	279.87	1,225.83
Silos #20, #21	BN	99.9%	0.032	2,000.0	70.0	0.5%	0.238	1.04	237.62	1,040.80
Subtotal of Emissions Based on NSPS Subpart OOO							0.52	2.27	517.49	2,266.62

Methodology

- The baghouses BM and BN are considered integral to the process, therefore PTE after controls is used for permit level determinat
- Affected facilities (as defined in 40 CFR 60.670 and 60.671, Subpart OOO) that commence construction, modification, or reconstruction on or after April 22, 2012

Moisture content ranges between 3 - 10%

PM-10 and PM-2.5 emissions have been assumed equal to PM emission

Emission Rate in lbs/hr (after controls) = (grams x (1pound/453.5924 grams)/cubic meter x (1 cubic ft/0.02832 cubic meters) x (acfm) x 528/(460 + T) x (1 - %Moisture)) x (60 min

Emission Rate in lbs/hr (before controls) = Emission Rate After Controls/(1-% Control Efficiency)

Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)

Facility Description	Baghouse ID	Process Rate (lbs/hr)	Process Weight Rate (tons/hr)	Allowable PM Emissions (lbs/hr)	Potential PM Emissions (lbs/hr)	Equivalent NSPS Subpart OOO PM Emissions (lbs/hr)	Is the NSPS Subpart OOO More Stringent than the Limit Pursuant to 326 IAC 6-3-2 or Not Applicable?
Bepex Air Mill Room							
Twin Air Jet Mills #9, #10	BM	4,000	2.0	6.52	0.280	0.280	Yes
Silos #20, #21	BN	28,000	14.0	24.03	0.238	0.238	Yes

Methodology

Allowable Emissions = 4.10(Process Weight Rate)^{0.67} for process weight rates less than or = to 60,000 pounds per hr

**Appendix A: Emission Calculations
Baghouse Operations**

Company Name: Cimbar Performance Minerals MV, LLC
Address City IN Zip: 2700 Bluff Road, Mt. Vernon, Indiana 47620
Permit Number: 129-31488-00023
Reviewer: Brian Williams

**Facilities Subject to
Requirements of NSPS
Subparts
OOO and UUU**

Facility Description	Baghouse ID	Control Efficiency (%)	Allowable Loading per Dry Cubic meter of Outlet Air (grams/cubic meter)	Gas or Air Flow Rate (acfm.)	Exhaust Temp. (F)	Average Moisture Content	PM/PM-10/PM-2.5 Emission Rate after Controls (lbs/hr)*	PM/PM-10/PM-2.5 Emission Rate after Controls (tons/yr)*	PM/PM-10/PM-2.5 Emission Rate before Controls (tons/yr)
Grinding Plant									
North Silo	B	99.9%	0.05	1,500.0	70.0	6.5%	0.262	1.15	1,146.13
South Silo	C	99.9%	0.05	1,500.0	70.0	6.5%	0.262	1.15	1,146.13
Classifier #1	E	99.9%	0.05	1,550.0	150.0	6.5%	0.235	1.029	1,029.02
Red Silo	F	99.9%	0.05	1,500.0	150.0	6.5%	0.227	1.00	995.82
Green Silo	G	99.9%	0.05	1,500.0	150.0	6.5%	0.227	1.00	995.82
Blue Silo	H	99.9%	0.05	1,500.0	150.0	6.5%	0.227	1.00	995.82
Yellow Silo	I	99.9%	0.05	2,000.0	150.0	6.5%	0.303	1.33	1,327.76
Pink Silo	J	99.9%	0.05	2,000.0	150.0	6.5%	0.303	1.33	1,327.76
Orange Silo	K	99.9%	0.05	2,000.0	70.0	6.5%	0.349	1.53	1,528.18
#1 Silo	N	99.9%	0.05	900.0	150.0	6.5%	0.136	0.597	597.49
#2 Silo	O	99.9%	0.05	900.0	150.0	6.5%	0.136	0.597	597.49
#3 Silo	P	99.9%	0.05	900.0	150.0	6.5%	0.136	0.597	597.49
#4 Silo	Q	99.9%	0.05	900.0	150.0	6.5%	0.136	0.597	597.49
#5 Silo	R	99.9%	0.05	1,500.0	150.0	6.5%	0.227	0.996	995.82
#6 Silo	S	99.9%	0.05	1,500.0	150.0	6.5%	0.227	0.996	995.82
#7 Silo	T	99.9%	0.05	1,500.0	150.0	6.5%	0.227	0.996	995.82
#8 Silo	U	99.9%	0.05	1,500.0	150.0	6.5%	0.227	0.996	995.82
#9 Silo	V	99.9%	0.05	1,500.0	150.0	6.5%	0.227	0.996	995.82
#10 Silo	W	99.9%	0.05	1,500.0	150.0	6.5%	0.227	0.996	995.82
#11 Silo	X	99.9%	0.05	1,500.0	150.0	6.5%	0.227	0.996	995.82
#12 Silo	AA	99.0%	0.05	960.0	150.0	6.5%	0.146	0.637	637.73
#13 Silo	AB	99.0%	0.05	960.0	150.0	6.5%	0.146	0.637	637.73
Classifier #3	AC	99.0%	0.05	1,550.0	180.0	6.5%	0.224	0.981	981.08
Silo A	AG	99.9%	0.05	680.0	150.0	6.5%	0.103	0.451	451.44
Silo B	AH	99.9%	0.05	1,550.0	150.0	6.5%	0.235	1.029	1,029.02
Silo C	AI	99.9%	0.05	680.0	150.0	6.5%	0.103	0.451	451.44
Silo D	AJ	99.9%	0.05	680.0	150.0	6.5%	0.103	0.451	451.44
Silo #14	AK	99.9%	0.05	1,500.0	150.0	6.5%	0.227	0.996	995.82
Common Baghouse	AM	99.9%	0.05	680.0	150.0	6.5%	0.103	0.451	451.44
Bepex Air Mill Room									
Silo #15	AO	99.9%	0.05	1,500.0	70.0	6.5%	0.262	1.146	1,146.13
Single Air Mill (powder)	AP	99.9%	0.05	4,000.0	200.0	6.5%	0.560	2.454	2,454.35
Silo #16	AS	99.9%	0.05	1,000.0	70.0	6.5%	0.174	0.764	764.09
Silo #17	AT	99.9%	0.05	1,000.0	70.0	6.5%	0.174	0.764	764.09
Twin Air Mill	AU	99.9%	0.05	5,500.0	195.0	6.5%	0.776	3.400	3,400.49
Silo #18	AV	99.9%	0.05	1,500.0	195.0	6.5%	0.212	0.927	927.41
Silo #19	AW	99.9%	0.05	1,500.0	195.0	6.5%	0.212	0.927	927.41
#3 Air Mill	AX	99.9%	0.05	2,650.0	200.0	6.5%	0.371	1.626	1,626.01
Pellet Mill & Nat. Gas Dryer	AY	99.9%	0.05	19,040.0	120.0	6.5%	3.035	13.294	13,294.10
Classifier #2	BA	99.9%	0.05	1,550.0	70.0	6.5%	0.270	1.184	1,184.34
Pellet Mill Transfer	BB	99.9%	0.05	680.0	70.0	6.5%	0.119	0.520	519.58
Product Recycling Bin	BC	99.9%	0.05	3,000.0	70.0	6.5%	0.523	2.292	2,292.27
R1 Bin	BD	99.9%	0.05	1,550.0	70.0	6.5%	0.270	1.184	1,184.34
Auto Packaging Machine Op.	BF	99.9%	0.05	3,000.0	70.0	6.5%	0.523	2.292	2,292.27
Cosmetic Circuit Receiver	BG	99.9%	0.05	1,570.0	70.0	6.5%	0.274	1.200	1,199.62
Bulk Truck Loadout	BH	99.9%	0.05	1,500.0	70.0	6.5%	0.262	1.146	1,146.13
Bulk Railcar Loadout	BI	99.9%	0.05	1,500.0	70.0	6.5%	0.262	1.146	1,146.13
Twin Air Jet Mills #5, #6, BJ	BJ	99.9%	0.032	3,600.0	350.0	0.5%	0.280	1.226	1,225.83
Twin Air Jet Mills #7, #8, BK	BK	99.9%	0.032	3,600.0	350.0	0.5%	0.280	1.226	1,225.83
Pellet Mill #2 & Nat. Gas Dryer	BL	99.9%	0.032	17,000.0	375.0	0.5%	1.282	5.615	5,615.31
Subtotal of Emissions Based on OOO							16.0	70.3	68,245.02
Nat. Gas Dryer (Subpart UUU)	AY	99.9%	0.057	19,040.0	120.0	6.5%	3.46	15.16	15,155.27
Nat. Gas Dryer (Subpart UUU)	BL	99.9%	0.057	17,000.0	375.0	0.5%	2.28	10.00	10,002.27
Subtotal Worst Case Emissions from NSPS Subpart OOO/UUU**							16.0	70.3	68,245.02

**Facilities NOT Subject to
Either NSPS OOO or
UUU**

Facility Description	Baghouse ID	Control Efficiency (%)	Grain Loading per Actual Cubic foot of Outlet Air (grains/cu.ft.)	Gas or Air Flow Rate (acfm.)	Exhaust Temp. (F)	Average Moisture Content	PM/PM-10 Emission Rate after Controls (lbs/hr)*	PM/PM-10 Emission Rate after Controls (tons/yr)*	PM/PM-10/PM-2.5 Emission Rate before Controls (tons/yr)
Roller Mill	D	99.9%	0.01	14,000.0	180.0	6.5%	0.926	4.054	4,054.35
Impact Mill	M	99.9%	0.01	14,000.0	180.0	6.5%	0.926	4.054	4,054.35
#1 Bepex	Y	99.9%	0.01	3,000.0	150.0	6.5%	0.208	0.912	911.52
Ball Mill	Z	99.9%	0.01	9,000.0	180.0	6.5%	0.595	2.606	2,606.37
Subtotal of Emissions for Facilities NOT Subject to Either NSPS OOO or UUU							2.65	11.63	11,626.58
Total Including Worst Case Emissions from Above (NSPS Subpart OOO/UUU)							18.70	81.9	79,871.60

Methodology

Moisture content ranges between 3 - 10%

PM-10 and PM-2.5 emissions have been assumed equal to PM emissions

Facilities Subject to NSPS OOO or UUU Emission Rate in lbs/hr (after controls) = (grams x (1 pound/453.5924 grams)/cubic meter x (1 cubic ft/0.02832 cubic meters) x (acfm) x 528/(460 + F) x (1 - %Moisture) x (60 min/hr

Facilities Not Subject to NSPS OOO or UUU Emission Rate in lbs/hr (after controls) = Grain Loading (grains/cu. Ft.)/7,000 (grains/lb) x acfm x 528/(460 + F) x (1 - %Moisture) x 60 (min/hr)

Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)

**The baghouses are considered integral to the process, therefore PTE after controls is used for permit level determination

**The potential emissions from the two natural gas dryer, identified as AY and BL are lowest when using the allowable loading rate under Subpart OOO

Total Including Worst Case Emissions from OOO/UUU (tons/yr) = Subtotal Worst Case Emissions from OOO/UUU + Subtotal of Emissions for Facilities Not Subject to Either NSPS OOO or UUU

Appendix A: Emission Calculations
Baghouse Operations
326 IAC 6-3-2 Allowable Rate of Emissions

Company Name: Cimbar Performance Minerals MV, LLC
Address City IN Zip: 2700 Bluff Road, Mt. Vernon, Indiana 47620
Permit Number: 129-31488-00023
Reviewer: Brian Williams

Facility Description	Baghouse ID	Process Rate (lbs/hr)	Process Weight Rate (tons/hr)	Allowable PM Emissions (lbs/hr)	Potential PM Emissions (lbs/hr)	Equivalent NSPS Subpart OOO PM Emissions (lbs/hr)	is the NSPS Subpart OOO More Stringent than the Limit Pursuant to 326 IAC 6-3-2 or Not Applicable?
Grinding Plant							
Crusher System		100,000	50.0	44.58	0.035	Not Applicable	Not Applicable
North Silo	B	70,000	35.0	41.32	0.262	0.262	Yes
South Silo	C	70,000	35.0	41.32	0.262	0.262	Yes
Roller Mill	D	28,000	14.0	24.03	0.926	Not Applicable	Not Applicable
Classifier #1	E	20,000	10.0	19.18	0.235	0.235	Yes
Red Silo	F	28,000	14.0	24.03	0.227	0.227	Yes
Green Silo	G	28,000	14.0	24.03	0.227	0.227	Yes
Blue Silo	H	28,000	14.0	24.03	0.227	0.227	Yes
Yellow Silo	I	28,000	14.0	24.03	0.303	0.303	Yes
Pink Silo	J	28,000	14.0	24.03	0.303	0.303	Yes
Orange Silo	K	28,000	14.0	24.03	0.349	0.349	Yes
Impact Mill	M	18,000	9.0	17.87	0.926	Not Applicable	Not Applicable
#1 Silo	N	28,000	14.0	24.03	0.136	0.136	Yes
#2 Silo	O	28,000	14.0	24.03	0.136	0.136	Yes
#3 Silo	P	28,000	14.0	24.03	0.136	0.136	Yes
#4 Silo	Q	28,000	14.0	24.03	0.136	0.136	Yes
#5 Silo	R	28,000	14.0	24.03	0.227	0.227	Yes
#6 Silo	S	28,000	14.0	24.03	0.227	0.227	Yes
#7 Silo	T	28,000	14.0	24.03	0.227	0.227	Yes
#8 Silo	U	28,000	14.0	24.03	0.227	0.227	Yes
#9 Silo	V	28,000	14.0	24.03	0.227	0.227	Yes
#10 Silo	W	28,000	14.0	24.03	0.227	0.227	Yes
#11 Silo	X	28,000	14.0	24.03	0.227	0.227	Yes
#1 Bepex	Y	2,000	1.0	4.10	0.208	Not Applicable	Not Applicable
Ball Mill	Z	15,000	7.5	15.82	0.595	Not Applicable	Not Applicable
#12 Silo	AA	28,000	14.0	24.03	0.146	0.146	Yes
#13 Silo	AB	70,000	35.0	41.32	0.146	0.146	Yes
Classifier #3	AC	20,000	10.0	19.18	0.224	0.224	Yes
Silo A	AG	28,000	14.0	24.03	0.103	0.103	Yes
Silo B	AH	28,000	14.0	24.03	0.235	0.235	Yes
Silo C	AI	28,000	14.0	24.03	0.103	0.103	Yes
Silo D	AJ	28,000	14.0	24.03	0.103	0.103	Yes
Silo #14	AK	28,000	14.0	24.03	0.227	0.227	Yes
Common Baghouse	AM	28,000	14.0	24.03	0.103	0.103	Yes
Bepex Air Mill Room							
Silo #15	AO	28,000	14.0	24.03	0.262	0.262	Yes
Single Air Mill (powder)	AP	8,000	4.0	10.38	0.560	0.560	Yes
Silo #16	AS	28,000	14.0	24.03	0.174	0.174	Yes
Silo #17	AT	28,000	14.0	24.03	0.174	0.174	Yes
Twin Air Mill	AU	4,000	2.0	6.52	0.776	0.776	Yes
Silo #18	AV	28,000	14.0	24.03	0.212	0.212	Yes
Silo #19	AW	28,000	14.0	24.03	0.212	0.212	Yes
#3 Air Mill	AX	8,000	4.0	10.38	0.371	0.371	Yes
Pellet Mill & Nat. Gas Drye	AY	16,000	8.0	16.51	3.035	3.035	Yes
Classifier #2	BA	20,000	10.0	19.18	0.270	0.270	Yes
Pellet Mill Transfer	BB	8,000	4.0	10.38	0.119	0.119	Yes
Product Recycling Bin	BC	10,000	5.0	12.05	0.523	0.523	Yes
R1 Bin	BD	50,000	25.0	35.43	0.270	0.270	Yes
Auto Packaging Machine Op.	BF	16,000	8.0	16.51	0.523	0.523	Yes
Cosmetic Circuit Receiver	BG	14,000	7.0	15.10	0.274	0.274	Yes
Bulk Truck Loadout	BH	32,000	16.0	26.28	0.262	0.262	Yes
Bulk Truck Loadout	BI	16,000	8.0	16.51	0.262	0.262	Yes
Twin Air Jet Mills #5, #6, BJ	BJ	4,000	2.0	6.52	0.280	0.280	Yes
Twin Air Jet Mills #7, #8, BK	BK	4,000	2.0	6.52	0.280	0.280	Yes
Pellet Mill #2 & Nat. Gas Drye	BL	8,000	4.0	10.38	1.282	1.282	Yes

Methodology
Allowable Emissions = 4.10(Process Weight Rate)^{0.67} for process weight rates less than or = to 60,000 pounds per hour
Allowable Emissions = 55(Process Weight Rate)^{0.11} - 40 for process weight rates greater than 60,000 pounds per hour

Appendix A: Emission Calculations

Baghouse Operations

Demonstration of PM/PM10/PM2.5 limits to keep source minor with respect to 326 IAC 2-2 (PSD)

Company Name: Cimbar Performance Minerals MV, LLC
 Address City IN Zip: 2700 Bluff Road, Mt. Vernon, Indiana 47620
 Permit Number: 129-31498-00023
 Reviewer: Brian Williams

Facility Description	Baghouse ID	Limited PM Emission Rate after Controls (lbs/hr)	Limited PM10/PM2.5 Emission Rate after Controls (lbs/hr)	Limited PM Emission Rate after Controls (tons/yr)	Limited PM10/PM2.5 Emission Rate after Controls (tons/yr)
Grinding Plant					
Crusher System		2.53	0.035	11.08	0.15
North Silo	B	0.262	0.262	1.15	1.15
South Silo	C	0.262	0.262	1.15	1.15
Roller Mill	D	7.350	0.926	32.19	4.05
Classifier #1	E	0.235	0.235	1.03	1.03
Red Silo	F	0.227	0.227	1.00	1.00
Green Silo	G	0.227	0.227	1.00	1.00
Blue Silo	H	0.227	0.227	1.00	1.00
Yellow Silo	I	0.303	0.303	1.33	1.33
Pink Silo	J	0.303	0.303	1.33	1.33
Orange Silo	K	0.349	0.349	1.53	1.53
Impact Mill	M	7.350	0.926	32.19	4.05
#1 Silo	N	0.136	0.136	0.60	0.60
#2 Silo	O	0.136	0.136	0.60	0.60
#3 Silo	P	0.136	0.136	0.60	0.60
#4 Silo	Q	0.136	0.136	0.60	0.60
#5 Silo	R	0.227	0.227	1.00	1.00
#6 Silo	S	0.227	0.227	1.00	1.00
#7 Silo	T	0.227	0.227	1.00	1.00
#8 Silo	U	0.227	0.227	1.00	1.00
#9 Silo	V	0.227	0.227	1.00	1.00
#10 Silo	W	0.227	0.227	1.00	1.00
#11 Silo	X	0.227	0.227	1.00	1.00
#1 Bepex	Y	3.30	0.208	14.45	0.91
Ball Mill	Z	9.43	0.595	41.30	2.61
#12 Silo	AA	0.146	0.146	0.64	0.64
#13 Silo	AB	0.146	0.146	0.64	0.64
Classifier #3	AC	0.224	0.224	0.98	0.98
Silo A	AG	0.103	0.103	0.45	0.45
Silo B	AH	0.235	0.235	1.03	1.03
Silo C	AI	0.103	0.103	0.45	0.45
Silo D	AJ	0.103	0.103	0.45	0.45
Silo #14	AK	0.227	0.227	1.00	1.00
Common Baghouse	AM	0.103	0.103	0.45	0.45
Bepex Air Mill Room					
Silo #15	AO	0.262	0.262	1.15	1.15
Single Air Mill (powder)	AP	0.560	0.560	2.45	2.45
Silo #16	AS	0.174	0.174	0.76	0.76
Silo #17	AT	0.174	0.174	0.76	0.76
Twin Air Mill	AU	0.776	0.776	3.40	3.40
Silo #18	AV	0.212	0.212	0.93	0.93
Silo #19	AW	0.212	0.212	0.93	0.93
#3 Air Mill	AX	0.371	0.371	1.63	1.63
Pellet Mill & Nat. Gas Drye	AY	3.04	3.04	13.29	13.29
Classifier #2	BA	0.270	0.270	1.18	1.18
Pellet Mill Transfer	BB	0.119	0.119	0.52	0.52
Product Recycling Bin	BC	0.523	0.523	2.29	2.29
R1 Bin	BD	0.270	0.270	1.18	1.18
Auto Packaging Machine Op.	BF	0.523	0.523	2.29	2.29
Cosmetic Circuit Receiver	BG	0.274	0.274	1.20	1.20
Bulk Truck Loadout	BH	0.262	0.262	1.15	1.15
Bulk Railcar Loadout	BI	0.262	0.262	1.15	1.15
Twin AirJet Mill #5, #6 BJ	BJ	0.123	0.123	0.54	0.54
Twin AirJet Mill #7, #8 BK	BK	0.123	0.123	0.54	0.54
Pellet Mill #2 & Nat. Gas Drye	BL	2.15	2.15	9.42	9.42
Twin Air Jet Mills #9, #10 (New)	BM	0.280	0.280	1.23	1.23
Silos #20, #21 (New)	BN	0.238	0.238	1.04	1.04
Total		47.08	19.81	206.19	86.75

**Appendix A: Emissions Calculations
Crushing, Loading, and Unloading Emissions**

Company Name: Cimbar Performance Minerals MV, LLC
 Address City IN Zip: 2700 Bluff Road, Mt. Vernon, Indiana 47620
 Permit Number: 129-31488-00023
 Reviewer: Brian Williams

Crushing (primary)

The following calculations determine the amount of emissions created by the crushing of aggregate, based on 8760 hours of use and AP-42 emissions factors, [Ch 11.19.2 (Fifth edition, 1/95)]. PM, PM10, and PM 2.5 emissions are assumed equal.

PTE PM/PM10/PM2.5	50	ton/hr x	0.0007	lb/ton	/ 2000	lb/ton x	8760	hr/yr =	0.153	tons/yr
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Loading & Unloading

The following calculations determine the amount of emissions created by truck loading and unloading of aggregate, based on 8760 hours of use and AP-42 emission factors, Ch 13.2.4 (Fifth edition, 1/95). PM, PM10, and PM 2.5 emissions are assumed equal.

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

= 0.0016 lb/ton

where k = 0.74 (particle size multiplier)
 U = 10 mile/hr mean wind speed
 M = 5 % material moisture content

PTE PM/PM10/PM2.5	50	ton/hr x	0.0016	lb/ton	/ 2000	lb/ton x	8760	hr/yr =	0.354	tons/yr
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**Appendix A: Emissions Calculations
Fugitive Emissions - Paved Roads**

Company Name: Cimbar Performance Minerals MV, LLC
Address City IN Zip: 2700 Bluff Road, Mt. Vernon, Indiana 47620
Permit Number: 129-31488-00023
Reviewer: Brian Williams

Paved Roads

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 (11/2006).

Dump Trucks

0.7 total trip/hr x Road = 195 yards each way, truck carries 20 tons of ore
0.222 average miles/round trip x
8760 hr/yr = 2717.6 miles per year

PM Emissions

$$E_f = k \left[\frac{s}{2} \right]^{0.65} \left[\frac{W}{3} \right]^{1.5} - C$$

= 3.36 lb/mile
where k = 0.082 (particle size multiplier for PM30 or TSP) (k=0.082 for PM-30 or TSP)
s = 5.5 mean % silt content of concrete batching paved roads

W = 23.00 tons average vehicle weight
C = 0.00047 lbs/mile for exhaust, break and tire wear
E = $\frac{3.36 \text{ lb/mi} \times 2717.6 \text{ mi/yr}}{2000 \text{ lb/ton}}$ = 4.56 tons/yr

Taking natural mitigation due to precipitation into consideration:

$$E_{ext} = E \cdot [1 - p/4^{365}] = 4.17 \text{ tons/yr}$$

where: p = 125 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

PM-10 Emissions

$$E_f = k \left[\frac{s}{2} \right]^{0.65} \left[\frac{W}{3} \right]^{1.5} - C$$

= 0.66 lb/mile
where k = 0.016 (particle size multiplier for PM10) (k=0.016 for PM-10)
s = 5.5 mean % silt content of concrete batching paved roads

W = 23.00 tons average vehicle weight
C = 0.00047 lbs/mile for exhaust, break and tire wear
E = $\frac{0.655 \text{ lb/mi} \times 2717.590909 \text{ mi/yr}}{2000 \text{ lb/ton}}$ = 0.890 tons/yr

Taking natural mitigation due to precipitation into consideration:

$$E_{ext} = E \cdot [1 - p/4^{365}] = 0.814 \text{ tons/yr}$$

where: p = 125 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

Front-end Loader

2.8 total trip/hr x Road = 135 yards each way, loader carries 5 tons of ore
0.153 average miles/round trip x
8760 hr/yr = 7525.6 miles per year

PM Emissions

$$E_f = k \left[\frac{s}{2} \right]^{0.65} \left[\frac{W}{3} \right]^{1.5} - C$$

= 1.80 lb/mile
where k = 0.082 (particle size multiplier for PM30 or TSP) (k=0.082 for PM-30 or TSP)
s = 5.5 mean % silt content of concrete batching paved roads

W = 15.15 tons average vehicle weight
C = 0.00047 lbs/mile for exhaust, break and tire wear
E = $\frac{1.80 \text{ lb/mi} \times 7525.6 \text{ mi/yr}}{2000 \text{ lb/ton}}$ = 6.76 tons/yr

Taking natural mitigation due to precipitation into consideration:

$$E_{ext} = E \cdot [1 - p/4^{365}] = 6.18 \text{ tons/yr}$$

where: p = 125 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

PM-10 Emissions

$$E_f = k \left[\frac{s}{2} \right]^{0.65} \left[\frac{W}{3} \right]^{1.5} - C$$

= 0.35 lb/mile
where k = 0.016 (particle size multiplier for PM10) (k=0.016 for PM-10)
s = 5.5 mean % silt content of concrete batching paved roads

W = 15.15 tons average vehicle weight
C = 0.00047 lbs/mile for exhaust, break and tire wear
E = $\frac{0.350 \text{ lb/mi} \times 7525.636364 \text{ mi/yr}}{2000 \text{ lb/ton}}$ = 1.32 tons/yr

Taking natural mitigation due to precipitation into consideration:

$$E_{ext} = E \cdot [1 - p/4^{365}] = 1.20 \text{ tons/yr}$$

where: p = 125 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

Total PM	10.4	tons/yr
Total PM-10	2.02	tons/yr

PM 2.5 emissions are assumed equal to PM10 emissions.

**Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100**

**Company Name: Cimbar Performance Minerals MV, LLC
Address City IN Zip: 2700 Bluff Road, Mt. Vernon, Indiana 47620
Permit Number: 129-31488-00023
Reviewer: Brian Williams**

Unit Description	Unit ID	MMBtu/Hr
Natural Gas Fired Dryer	Pellet Mill	6.0
Natural Gas Fired Fluid Bed Drye Pellet Mill #2		10.0
Heat Input Capacity MMBtu/hr		Potential Throughput MMCF/yr
16.00		140.2

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.13	0.53	0.53	0.04	7.01	0.39	5.89

*PM emission factor is filterable PM only. PM10 and PM2.5 emission factors are filterable and condensable PM10 and PM2.5 combined, respectively.
**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Emission Factor in lb/MMcf	HAPs - Organics				
	Benzene	Dichlorobenzen	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	1.472E-04	8.410E-05	5.256E-03	1.261E-01	2.383E-04

Emission Factor in lb/MMcf	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	3.504E-05	7.709E-05	9.811E-05	2.663E-05	1.472E-04

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120,000	2.3	2.2
Potential Emission in tons/yr	8,410	1.61E-01	1.54E-01
Summed Potential Emissions in tons/yr	8,409.9		
CO2e Total in tons/yr	8,460.8		

Methodology

All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
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/1,000 MMBtu
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
The five highest organic and metal HAPs emission factors are provided above. Additional HAPs emission factors are available in AP-42, Chapter 1.4.
The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

April 12, 2012

Mr. Brett Cline
Cimbar Performance Minerals MV, LLC
2700 Bluff Rd
Mt. Vernon, IN 47620

Re: Public Notice
Cimbar Performance Minerals MV, LLC
Permit Level: Significant Permit Revision
Permit Number: 129-31488-00023

Dear Mr. Cline:

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

The Office of Air Quality (OAQ) has submitted the draft permit package to the Alexandrian Public Library, 115 West 5th St in Mt. Vernon, IN. 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.

You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper. The OAQ has requested that the Mt. Vernon Democrat in Mt. Vernon, IN publish this notice no later than April 18, 2012.

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 Brian Williams, 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 4-5375 or dial (317) 234-5375.

Sincerely,

Michelle Denney
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover letter. dot 3/27/08



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ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

April 12, 2012

Mount Vernon Democrat
P.O. Box 767
Mount Vernon, IN 47620

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Cimbar Performance Minerals MV, LLC, Posey 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 April 18, 2012.

Please send a notarized form, clippings showing the date of publication, and the billing to the Indiana Department of Environmental Management, Accounting, Room N1345, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

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 Michelle Denney at 800-451-6027 and ask for extension 3-6867 or dial 317-233-6867.

Sincerely,

Michelle Denney
Permit Branch
Office of Air Quality

cc: OAQ Billing, Licensing and Training Section
Permit Level: Significant Permit Revision
Permit Number: 129-31488-00023

Enclosure
PN Newspaper.dot 3/27/08



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

April 12, 2012

To: Alexandrian Public Library

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

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

Applicant Name: Cimbar Performance Minerals MV, LLC
Permit Number: 129-31488-00023

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.dot 03/27/08



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Thomas W. Easterly
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Notice of Public Comment

April 12, 2012

Cimbar Performance Minerals MV, LLC
129-31488-00023

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.dot 3/27/08

Mail Code 61-53

IDEM Staff	MIDENNEY 4/12/2012 Cimbar Performance Minerals MV, LLC 129-31488-00023 (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		Brett Cline Cimbar Performance Minerals MV, LLC 2700 Bluff Rd Mt Vernon IN 47620 (Source CAATS)										
2		Paul Householder Plant Mgr Cimbar Performance Minerals MV, LLC 2700 Bluff Rd Mt Vernon IN 47620 (RO CAATS)										
3		Mr. Wendell Hibdon Plumbers & Steam Fitters Union, Local 136 2300 St. Joe Industrial Park Dr Evansville IN 47720 (Affected Party)										
4		Posey County Commissioners County Courthouse, 126 E. 3rd Street Mount Vernon IN 47620 (Local Official)										
5		Mr. Bob Deig 7130 Carson School Rd Mount Vernon IN 47620 (Affected Party)										
6		Posey County Health Department 126 E. 3rd St, Coliseum Bldg Mount Vernon IN 47620-1811 (Health Department)										
7		Mount Vernon City Council and Mayors Office 520 Main Street Mount Vernon IN 47620 (Local Official)										
8		Dr. Jeff Seyler Univ. of So Ind., 8600 Univ. Blvd. Evansville IN 47712 (Affected Party)										
9		Mr. Don Mottley Save Our Rivers 6222 Yankeetown Hwy Boonville IN 47601 (Affected Party)										
10		Alexandrian Public Library 115 West 5th Mt. Vernon IN 47620 (Library)										
11		Mr. Mark Wilson Evansville Courier & Press P.O. Box 268 Evansville IN 47702-0268 (Affected Party)										
12		Mrs. Connie Parkinson 510 Western Hills Dr. Mt. Vernon IN 47620 (Affected Party)										
13		Robert Hess c/o Mellon Corporation 830 Post Road East, Suite 105 Westport CT 06880 (Affected Party)										
14		Juanita Burton 7911 W. Franklin Road Evansville IN 47712 (Affected Party)										
15		Mr. John Blair 800 Adams Ave Evansville IN 47713 (Affected Party)										

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
15			

Mail Code 61-53

IDEM Staff	MIDENNEY 4/12/2012 Cimbar Performance Minerals MV, LLC 129-31488-00023 (draft)		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		David Boggs 216 Western Hills Dr Mt Vernon IN 47620 (Affected Party)										
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												

Total number of pieces Listed by Sender 1	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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