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

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: October 19, 2009

RE: O-N Minerals (Portage) Company, LLC / 127-28485-00038

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

Notice of Decision – Approval

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

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

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

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

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

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

Enclosures
FNPER-AM.dot12/3/07

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Mr. Ron Vessell
O-N Minerals (Portage) Company, LLC
165 Steel Dr
Portage, IN 46368

October 19, 2009

Re: 127-28485-00038
Second Administrative Amendment to
F127-19508-00038

Dear Mr. Ron Vessell:

O-N Minerals (Portage) Company, LLC, was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F127-19508-00038 on March 29, 2007, for a stationary non-mettalic minerals processing plant, located at 165 Steel Dr, Portage, IN. On September 21, 2009, the Office of Air Quality (OAQ) received a letter from the source relating to a change in operations at the source to remove the Cage Mill System from the permit, to rename the cage mill product storage bin and its associated truck loadout, and to designate these emission units to the Mill 2 and Mill 3 systems. This change in operation will be incorporated into the permit as an administrative amendment, since the potential emissions of regulated criteria pollutants and hazardous air pollutants are less than the ranges specified 326 IAC 2-8-11.1(d)(4) and 326 IAC 2-8-11.1(f)(1)(G), respectively. The entire source will continue to limit PM_{10} emissions to less than 100 tons per twelve (12) consecutive month period, rendering the requirements of 326 IAC 2-7 not applicable. The change in operation will not cause the source's potential to emit to be greater than the threshold levels specified in 326 IAC 2-2 or 326 IAC 2-3.

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

(a) The Table of Contents have been revised as follows:

SECTION D.1 FACILITY OPERATION CONDITIONS - Mills 1, 2, 3, 5, 6, ~~and Cage Mill Facilities~~ **Storage Tank (Tank 6) and North Scale Loadout** 24

(b) Section A.2 has been revised as follows:

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

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

...

~~Cage Mill~~ **Storage Silo (Tank 6) and North Scale Loadout**

~~(cc) Two (2) belt conveyors, identified as CM-RBC-002 & 003, one (1) cage mill, identified as Penroc, three (3) bucket elevators, identified as CM-BEL-001 - 003, one (1) dry stone storage bin, identified as CM-FPT-001, one (1) screening operation, identified as CM-SCR-001 and one (1) screw conveyor, identified as CM-RSC-001, equipped with a baghouse, identified as CM-BNV-001, for particulate matter control and exhausted through Stack CM-BNV-001, installed in 2004, capacity: 90 tons of non-metallic minerals per hour.~~

~~(dd) Two (2) screw conveyors, identified as CM-RSC-003 & 004, one (1) storage bin, identified as CM-FPT-003 and one (1) pneumatic conveying system, equipped with a baghouse, identified as CM-BNV-001, for particulate matter control, and exhausted through Stack CM-BNV-001, installed in 2004, capacity: 75 tons of non-metallic minerals per hour.~~

~~(ee) Two (2) screw conveyors, identified as CM-RSC-002 & 005, equipped with a baghouse, identified as CM-BNV-001, for particulate matter control, and exhausted through Stack CM-BNV-001, installed in 2004, capacity: 15 tons of non-metallic minerals per hour.~~

~~(ff) One (1) rotary dryer, identified as rotary dryer, equipped with a baghouse, identified as RD-BNV-001, for particulate matter control and exhausted through Stack RD-BNV-001, installed in 2004, capacity: 90 tons of non-metallic minerals per hour.~~

(~~gg~~**cc**) One (1) 1,000 ton storage silo, identified as ~~CM~~**02**-FPT-002, equipped with a cartridge filter, identified as ~~CM~~**02**-BNV-002, for particulate matter control and exhausted through Stack ~~CM~~**02**-BNV- 002, installed in 2004, capacity: ~~75~~**25** tons of non-metallic minerals per hour. **Utilized by Mill 2 and Mill 3.**

(~~hh~~**dd**) One (1) truck loadout system, identified as ~~CM~~**02**-DFL-001, equipped with a baghouse, identified as ~~CM~~**02**-BNV-003, for particulate matter control and exhausted through Stack ~~CM~~**02**-BNV-003, installed in 2004, capacity: ~~75~~**50** tons of non-metallic minerals per hour. **Utilized by Mill 2 and Mill 3.**

~~(ii) One (1) loading hopper, identified as CM-ORH-001, installed in 2004, capacity: 90 tons of non-metallic minerals per hour.~~

~~(jj) One (1) belt conveyor, identified as CM-RBF-001, installed in 2004, capacity: 90 tons of non-metallic minerals per hour.~~

~~(kk) One (1) inclined belt conveyor, identified as CM-RBC-001, capacity: 90 tons of non-metallic minerals per hour.~~

(c) Section D.1 has been revises as follows, and conditions have been renumbered accordingly:

> Facility Description [326 IAC 2-8-4(10)]: Mills 1, 2, 3, 5, 6, **Storage Tank (Tank 6) and North Scale Loadout**
>
> Boat-Unloading System
>
> (a) One (1) belt conveyor system, consisting of one (1) loadout hopper and three (3) belt conveyors for a total of four (4) transfer points, delivering uncrushed material directly from a barge to an initial stockpile, installed in 2003, capacity: 766,500 tons of non-metallic minerals per year.
>
> ...

...

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

~~Cage Mill~~ **Storage Silo (Tank 6) and North Scale Loadout**

~~(cc) Two (2) belt conveyors, identified as CM-RBC-002 & 003, one (1) cage mill, identified as Penroc, three (3) bucket elevators, identified as CM-BEL-001 - 003, one (1) dry stone storage bin, identified as CM-FPT-001, one (1) screening operation, identified as CM-SCR-001 and one (1) screw conveyor, identified as CM-RSC-001, equipped with a baghouse, identified as CM-BNV-001, for particulate matter control and exhausted through Stack CM-BNV-001, installed in 2004, capacity: 90 tons of non-metallic minerals per hour.~~

~~(dd) Two (2) screw conveyors, identified as CM-RSC-003 & 004, one (1) storage bin, identified as CM-FPT-003 and one (1) pneumatic conveying system, equipped with a baghouse, identified as CM-BNV-001, for particulate matter control, and exhausted through Stack CM-BNV-001, installed in 2004, capacity: 75 tons of non-metallic minerals per hour.~~

~~(ee) Two (2) screw conveyors, identified as CM-RSC-002 & 005, equipped with a baghouse, identified as CM-BNV-001, for particulate matter control, and exhausted through Stack CM-BNV-001, installed in 2004, capacity: 15 tons of non-metallic minerals per hour.~~

~~(ff) One (1) rotary dryer, identified as rotary dryer, equipped with a baghouse, identified as RD-BNV-001, for particulate matter control and exhausted through Stack RD-BNV-001, installed in 2004, capacity: 90 tons of non-metallic minerals per hour.~~

(~~gg~~**cc**) One (1) 1,000 ton storage silo, identified as ~~CM~~**02**-FPT-002, equipped with a cartridge filter, identified as ~~CM~~**02**-BNV-002, for particulate matter control and exhausted through Stack ~~CM~~**02**-BNV- 002, installed in 2004, capacity: ~~75~~**25** tons of non-metallic minerals per hour. **Utilized by Mill 2 and Mill 3.**

(~~hh~~**dd**) One (1) truck loadout system, identified as ~~CM~~**02**-DFL-001, equipped with a baghouse, identified as ~~CM~~**02**-BNV-003, for particulate matter control and exhausted through Stack ~~CM~~**02**-BNV-003, installed in 2004, capacity: ~~75~~**50** tons of non-metallic minerals per hour. **Utilized by Mill 2 and Mill 3.**

~~(ii) One (1) loading hopper, identified as CM-ORH-001, installed in 2004, capacity: 90 tons of non-metallic minerals per hour.~~

~~(jj) One (1) belt conveyor, identified as CM-RBF-001, installed in 2004, capacity: 90 tons of non-metallic minerals per hour.~~

~~(kk) One (1) inclined belt conveyor, identified as CM-RBC-001, capacity: 90 tons of non-metallic minerals per hour.~~

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

D.1.1 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]

The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated as 326 IAC 12-1, apply to the Mills 1, 2, 3, 5 and 6, ~~and the cage mill operations,~~ described in this section except when otherwise specified in 40 CFR 60.670 through 60.676, Subpart OOO.

D.1.2 NSPS Subpart OOO and 326 IAC 12

This source, consisting of Mills 1, 2, 3, 5 and 6, ~~and the cage mill operations,~~ is subject to the New Source Performance Standard 326 IAC 12, 40 CFR 60.670 through 60.676, Subpart OOO.

...

D.1.3 PM_{10} Limitations [326 IAC 2-8-4]

(a) The following emission units shall not exceed the following hourly PM_{10} limits:

Facility	Hourly PM_{10} Emission Limit (lbs/hr)
Mill 1	0.75
01-FPT-001	0.42
01-DFL-001	0.25
Mill 2	0.75
02-FPT-001	0.42
Mill 3	0.75
03-FPT-001	0.42
Mill 5	2.84
05-FPT-001	0.72
05-FPT-002	0.72
05-DFL-001	0.25
Mill 6	2.84
~~Cage Mill~~	~~3.76~~
~~Rotary Dryer~~	~~3.61~~
~~CM~~ **02**-FPT-002	0.52
~~CM~~ **02**-DFL-001	0.27

D.1.4 PSD Minor PM and PM_{10} Limits [326 IAC 2-2]

(a) The following emission units shall not exceed the following hourly PM and PM_{10} limits:

Facility	Hourly PM Emission Limit (lbs/hr)	Hourly PM_{10} Emission Limit (lbs/hr)
Mill 1	0.85	0.75
01-FPT-001	0.47	0.42
01-DFL-001	0.28	0.25
Mill 2	0.85	0.75
02-FPT-001	0.47	0.42
Mill 3	0.85	0.75
03-FPT-001	0.47	0.42
03-DFL-001	0.28	0.25
Mill 5	3.21	2.84
05-FPT-001	0.81	0.72
05-FPT-002	0.81	0.72
05-DFL-001	0.28	0.25
Mill 6	3.21	2.84
~~Cage Mill~~	~~4.24~~	~~3.76~~
~~Rotary Dryer~~	~~3.08~~	~~3.61~~
~~CM~~ **02**-FPT-002	0.58	0.52
~~CM~~ **02**-DFL-001	0.30	0.27

D.1.5 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the following facilities and any control devices:

...

(f) ~~At the Cage Mill Facilities: CM-BNV-001, CM-BNV-002, CM-BNV-003 and RD-BNV-001~~
Storage Silo (Tank 6) and North Scale Loadout: 02-FPT-002 and 02-DFL-001

Compliance Determination Requirements [326 IAC 2-8-5(a)(1) & (4)] [326 IAC 2-1.1-11]

D.1.6 Testing Requirements [326 IAC 2-8-5(a)(1), (4)][326 IAC 2-1.1-11] [326 IAC 12] [40 CFR 60, Subpart OOO]

...

~~(d) By September 20, 2010, in order to demonstrate compliance with the NSPS Subpart OOO requirements, the Permittee shall perform PM and opacity testing for all facilities in the Cage Mill utilizing methods contained in 40 CFR 60.675. These PM and opacity performance tests shall be repeated at least once every five (5) years~~

~~from the date of this valid compliance demonstration. Testing shall be in accordance with Section C – Performance Testing.~~

...

~~(h) By September 20, 2010, in order to demonstrate compliance with Condition D.1.4, the Permittee shall perform PM_{10} testing on all facilities controlled by baghouses in Cage Mill (Penroc and rotary dryer (RD-BNV-001) utilizing methods as approved by the Commissioner. These PM_{10} performance tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be in accordance with Section C – Performance Testing.~~

(~~i~~**g**) By November 10, 2005 (within 90 days after the August 10, 2005 issuance of SPR 127-21182-00038), pursuant to the U.S. EPA waiver, issued on May 2, 2005, the Permittee shall conduct a Method 9 test, according to the requirements provided in 40 CFR Part 60.675(b) (2), on each of the four (4) truck loadout dust collectors, identified as 01-DFL-001, 03-DLF-001, 05-DLF-001 and ~~CM~~ **02**-DFL-001, and subsequently once per quarter for a total of four (4) quarters.

...

D.1.8 Particulate Control

(a) In order to comply with Conditions D.1.2, D.1.3 and D.1.4, the baghouses associated with Mills 1, 2, 3, 5 and/or 6 for PM and PM_{10} control shall be in operation at all times when their respective Mills 1, 2, 3, 5 and/or 6 are in operation.

(b) In order to comply with Conditions D.1.2, D.1.3 and D.1.4, the cartridge filters associated with Mills 1, 2, 3, 5 and/or 6 for PM and PM_{10} control shall be in operation at all times when their respective Mills 1, 2, 3, **and/or** 5 ~~and/or the Cage Mill~~ are in operation.

~~(c) In order to comply with Conditions D.1.2, D.1.3 and D.1.4, the baghouse for PM and PM_{10} control shall be in operation and control emissions from the cage mill (CM-BNV-001) at all times when the cage mill is in operation.~~

~~(d) In order to comply with Conditions D.1.2, D.1.3 and D.1.4, the baghouse for PM and PM_{10}~~
~~control shall be in operation and control emissions from the rotary dryer (RD-BNV-001) at all times when the rotary dryer is in operation.~~

(~~e~~**c**) In order to comply with Conditions D.1.2, D.1.3 and D.1.4, the ~~baghouse~~ **cartridge filter** for PM and PM_{10} control shall be in operation and control emissions from the truck loadout (~~CM~~**02**-BNV-003) at all times when the truck loadout is in operation.

(~~f~~**d**) In order to comply with Conditions D.1.2, D.1.3 and D.1.4, the cartridge filter for PM and PM_{10} control shall be in operation and control emissions from the storage silo (~~CM~~**02**-BNV-002) at all times when the silo is in operation.

...

Compliance Monitoring Requirements [326 IAC 2-8-6(1)] [326 IAC 2-8-5(1)]

D.1.9 Visible Emissions Notations

(a) Visible emission notations of the stack exhausts for Mill 1 (01-MDC-001, 01-BNV-001 and 01-BNV-002), for Mill 2 (02-MDC-001 and 02-BNV-001), for Mill 3 (03-MDC-001, 03-BNV-001 and 03-BNV-002), for Mill 5 (05-MDC-001, 05-BNV-001, 05-BNV-002 and 05-BNV-003), for Mill 6 (06-MDC-001), ~~and~~ for the ~~cage mill system (CM-~~

~~BNV-001, CM-BNV-002, CM-BNV-003 and RD-BNV-001)~~ **Storage Silo (Tank 6) (02-BNV-002) and for the North Scale Loadout (02-BNV- 003)** shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

...

D.1.10 Parametric Monitoring

...

(c) The Permittee shall record the pressure drop across the baghouses and cartridge filters used in conjunction with the ~~cage mill facilities (CM-BNV-001, CM-BNV-002, CM-BNV- 003, and RD-BNV-001)~~ **Storage Silo (Tank 6) (02-BNV-002) and the North Scale Loadout (02-BNV- 003)**, at least once per day while the ~~cage mill~~ facilities are in operation when venting to the atmosphere.

...

Record Keeping and Reporting Requirement [326 IAC 2-8-5(3)] [326 IAC 2-8-19]

D.1.12 Record Keeping Requirements

(a) To document compliance with Condition D.1.9, the Permittee shall maintain **daily** records of visible emission notations of the ~~facility~~ stack exhausts for Mill 1 (01-MDC-001, 01-BNV-001 and 01-BNV-002), for Mill 2 (02-MDC-001 and 02-BNV-001), for Mill 3 (03-MDC-001, 03-BNV-001 and 03-BNV-002), for Mill 5 (05-MDC-001, 05-BNV-001, 05-BNV-002 and 05-BNV-003), Mill 6 (06-MDC-001), ~~and~~ for the ~~cage mill system (CM-BNV-001, CM-BNV-002, CM-BNV-003 and RD-BNV-001)~~ **Storage Silo (Tank 6) (02-BNV-002,) and for the North Scale Loadout (02-BNV-003)** ~~once per day~~. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the process did not operate that day).

(b) To document compliance with Condition D.1.10, the Permittee shall maintain records once per day of the pressure drop **during normal operation when venting to the atmosphere. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g., the process did not operate that day).**

IDEM, OAQ has decided to make additional revisions to the permit as described below. The permit has been revised as follows with deleted language as ~~strikeouts~~ and new language **bolded**:

(1) Several of IDEM's branches and sections have been renamed. Therefore, IDEM has updated the addresses listed in the permit. References to "Permit Administration and Development Section" and the "Permits Branch" have been changed to "Permit Administration and Support Section". References to "Asbestos Section", "Compliance Data Section", "Air Compliance Section", and "Compliance Branch" have been changed to "Compliance and Enforcement Branch". The permit has been revised as follows:

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

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

(2) Section B.12(h) has been revised as follows:

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

(3) Section B.20 had been revised as follows:

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

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

(4) Section C.9(g) has been revised as follows:

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

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

A copy of the permit is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

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 Christine L. Filutze, of my staff, at 317-233-8397 or 1-800-451-6027, and ask for extension 3-8397.

Sincerely,

for ACD

Alfred C. Dumaual, Ph. D., Section Chief
Permits Branch
Office of Air Quality

Attachments: Updated Permit

ACD/clf

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
www.in.gov/idem

Federally Enforceable State Operating Permit Renewal
OFFICE OF AIR QUALITY

O-N Minerals (Portage) Company, LLC
165 Steel Drive
Portage, Indiana 46368

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

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

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

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

Operation Permit No.: F 127-19508-00038	
Issued by: Original Signed by Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: March 29, 2007 Expiration Date: March 29, 2017

First Administrative Amendment No.: 127-25681-00038, issued on January 23, 2008

Second Administrative Amendment No.:127-28485-00038	Sections Affected: A.2, D.1
Issued by: for ACD Alfred C. Dumaual, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: October 19,2009 Expiration Date: March 29, 2017

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary non-metallic minerals processing plant.

Source Address:	165 Steel Drive, Portage, Indiana 46368
Mailing Address:	165 Steel Drive, Portage, Indiana 46368
General Source Phone Number:	219-787-9190
SIC Code:	1422
County Location:	Porter
Source Location Status:	Moderate nonattainment for the 8-hour ozone standard Basic nonattainment for $PM_{2.5}$ Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD and Emission Offset Rules Not 1 of 28 Source Categories

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

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

Boat-Unloading System

(a) One (1) belt conveyor system, consisting of one (1) loadout hopper and three (3) belt conveyors for a total of four (4) transfer points, delivering uncrushed material directly from a barge to an initial stockpile, installed in 2003, capacity: 766,500 tons of non-metallic minerals per year.

Mill 1

(b) One (1) enclosed mill system, identified as Mill 1, equipped with a baghouse for particulate matter control, exhausted through Stack 01-MDC-001, installed in April 1992, capacity 12.5 tons of non-metallic minerals per hour.

(c) One (1) storage silo bin, identified as 01-FPT-001, equipped with a cartridge filter for particulate matter control, exhausted through Stack 01-BNV-001, installed in April 1992, storage capacity: 800 tons of non-metallic minerals, throughput capacity: 12.5 tons of non-metallic minerals per hour.

(d) One (1) dust-free loadout, identified as 01-DFL-001, equipped with a baghouse for particulate matter control, exhausted through Stack 01-BNV-002, installed in April 1992, capacity: 12.5 tons of non-metallic minerals per hour.

(e) One (1) outside rock hopper, identified as 01-ORH-001, installed in April 1992, capacity: 37.5 tons of non-metallic minerals per hour. Also utilized by Mills 2 and 3.

(f) One (1) belt conveyor, identified as 01-RBF-001, installed in April 1992, capacity: 37.5 tons of non-metallic minerals per hour. Also utilized by Mills 2 and 3.

(g) One (1) mill feed tank, identified as 01-MFT-001, installed in April 1992, storage capacity: 300 tons of non-metallic minerals, throughput capacity: 37.5 tons of non-metallic minerals per

hour. Also utilized by Mills 2 and 3.

(h) One (1) bucket elevator, identified as 01-BEL-001, installed in April 1992, capacity: 37.5 tons of non-metallic minerals per hour. Also utilized by Mills 2 and 3.

(i) One (1) belt conveyor, identified as 01-RBC-001, installed in April 1992, capacity: 37.5 tons of non-metallic minerals per hour. Also utilized by Mills 2 and 3.

Mill 2

(j) One (1) enclosed mill system, identified as Mill 2, equipped with a baghouse for particulate matter control, exhausted through Stack 02-MDC-001, installed in April 1992, capacity 12.5 tons of non-metallic minerals per hour.

(k) One (1) storage silo bin, identified as 02-FPT-001, equipped with a cartridge filter for particulate matter control, exhausted through Stack 02-BNV-001, installed in April 1992, storage capacity: 800 tons of non-metallic minerals, throughput capacity: 12.5 tons of non-metallic minerals per hour.

Mill 3

(l) One (1) enclosed mill system, identified as Mill 3, equipped with a baghouse for particulate matter control, exhausted through Stack 03-MDC-001, installed in April 1992, capacity 12.5 tons of non-metallic minerals per hour.

(m) One (1) storage silo bin, identified as 03-FPT-001, equipped with a cartridge filter for particulate matter control, exhausted through Stack 03-BNV-001, installed in April 1992, storage capacity: 800 tons of non-metallic minerals, throughput capacity: 12.5 tons of non-metallic minerals per hour.

(n) One (1) dust-free loadout, identified as 03-DFL-001, equipped with a baghouse for particulate matter control, exhausted through Stack 03-BNV-002, installed in April 1992, capacity: 12.5 tons of non-metallic minerals per hour.

(o) One (1) inside rock hopper, identified as 03-IRH-001, installed in April 1992, capacity: 12.5 tons of non-metallic minerals per hour.

(p) One (1) belt conveyor, identified as 03-RBF-001, installed in April 1992, capacity: 12.5 tons of non-metallic minerals per hour.

(q) One (1) product lump breaker, identified as 03-PLB-001, installed in April 1992, capacity: 12.5 tons of non-metallic minerals per hour.

(r) One (1) bucket elevator, identified as 03-BEL-001, installed in April 1992, capacity: 12.5 tons of non-metallic minerals per hour.

(s) One (1) inside feed tank, identified as 03-MFT-001, installed in April 1992, storage capacity: 60 tons of non-metallic minerals, throughput capacity: 12.5 tons of non-metallic minerals per hour.

(t) One (1) belt conveyor, identified as 03-RBC-001, installed in April 1992, capacity: 12.5 tons of non-metallic minerals per hour.

Note: There is no Mill 4.

Mill 5

(u) One (1) enclosed mill system, identified as Mill 5, equipped with a baghouse for particulate matter control, exhausted through Stack 05-MDC-001, installed in March 1997, capacity: 25 tons of non-metallic minerals per hour.

(v) Two (2) storage silo bins, identified as 05-FPT-001 and 05-FPT-002, each equipped with a cartridge filter for particulate matter control, exhausted through Stacks 05-BNV-001 and 05-BNV-002, installed in March 1997, storage capacity: 800 tons of non-metallic minerals each, throughput capacity: 25 tons of non-metallic minerals per hour each.

(w) One (1) dust-free loadout, identified as 05-DFL-001, equipped with a baghouse for particulate matter control, exhausted through Stack 05-BNV-003, installed in March 1997, capacity: 50 tons of non-metallic minerals per hour. Also utilized by Mill 6.

(x) One (1) outside rock hopper, identified as 05-ORH-001, installed in March 1997, capacity: 50 tons of non-metallic minerals per hour. Also utilized by Mill 6.

(y) One (1) belt conveyor, identified as 05-RBF-001, installed in March 1997, capacity: 50 tons of non-metallic minerals per hour. Also utilized by Mill 6.

(z) One (1) bucket elevator, identified as 05-BEL-001, installed in March 1997, capacity: 50 tons of non-metallic minerals per hour. Also utilized by Mill 6.

(aa) One (1) inside feed tank, identified as 05-MFT-001, installed in March 1997, storage capacity: 150 tons of non-metallic minerals, throughput capacity: 50 tons of non-metallic minerals per hour. Also utilized by Mill 6.

Mill 6

(bb) One (1) enclosed mill system, identified as Mill 6, equipped with a baghouse for particulate matter control, and exhausted through Stack 06-MDC-001, and truck loading and unloading operations (05-DFL-001), installed in 2002, capacity: 25 tons of non-metallic minerals per hour.

Storage Silo (Tank 6) and North Scale Loadout

(cc) One (1) 1,000 ton storage silo, identified as 02-FPT-002, equipped with a cartridge filter, identified as 02-BNV-002, for particulate matter control and exhausted through Stack 02-BNV-002, installed in 2004, capacity: 25 tons of non-metallic minerals per hour. Utilized by Mill 2 and Mill 3.

(dd) One (1) truck loadout system, identified as 02-DFL-001, equipped with a baghouse, identified as 02-BNV-003, for particulate matter control and exhausted through Stack 02-BNV-003, installed in 2004, capacity: 50 tons of non-metallic minerals per hour. Utilized by Mill 2 and Mill 3.

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

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

(a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-5] [326 IAC 8-3-8]

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

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

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

SECTION B GENERAL CONDITIONS

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

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

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

(a) This Permit 127-19508-00038, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

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

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

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

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

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(A) A description of the emergency;

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

(C) Corrective actions taken.

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

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

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

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

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

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

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

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

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

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

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital invest-

ment, or loss of product or raw material of substantial economic value.

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

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

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

(a) All terms and conditions of permits established prior to 127-19508-00038 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised, or

(3) deleted.

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

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

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

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

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

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

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

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

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

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

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

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

(1) That this permit contains a material mistake.

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

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

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

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

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

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

Request for renewal shall be submitted to:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(4) The Permittee notifies the:

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

and

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee

seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

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

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

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

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

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

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

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

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

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

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

(a) Pursuant to 326 IAC 2-8:

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

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

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

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

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

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

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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

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

C.7 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 plan submitted on August 30, 1990 and December 13, 1996.

(a) Pursuant to CP 127-1915-00038, issued on April 15, 1991, the fugitive dust plan requires that stockpiled limestone dust be controlled by water on an as-needed basis. An enclosed dust control system shall be used to control fugitive dust from the mills (1, 2 and 3) and processing equipment. All finished product shall be loaded into bulk trucks using dust free loading spouts. Each dust collector shall have a sensor to alert the operator if too much dust should pass by it. Outdoor conveying equipment shall be covered. All roads shall be paved. Over the road product shall be hauled by tanker truck.

(b) Pursuant to CP 127-5063-00038, issued on February 28, 1997, the fugitive particulate matter emissions shall be controlled by wet suppression of haul and traffic areas on an as-needed basis.

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. The notifications do not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

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

C.10 Performance Testing [326 IAC 3-6]

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

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

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

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

C.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 2-8-4] [326 IAC 2-8-5(a)(1)]

C.12 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

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

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

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

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

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

C.13 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.14 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]

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

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

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

C.15 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

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

within ninety (90) days after the date of issuance of this permit.

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

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

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

C.16 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

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

C.17 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

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

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

(1) initial inspection and evaluation

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

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

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

(1) monitoring results;

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

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

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

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.18 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

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

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

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

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

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

C.19 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

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

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

C.20 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

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

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

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

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

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

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

Stratospheric Ozone Protection

C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

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

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

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

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

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Mills 1, 2, 3, 5, 6, Storage Tank (Tank 6) and North Scale Loadout

Boat-Unloading System

(a) One (1) belt conveyor system, consisting of one (1) loadout hopper and three (3) belt conveyors for a total of four (4) transfer points, delivering uncrushed material directly from a barge to an initial stockpile, installed in 2003, capacity: 766,500 tons of non-metallic minerals per year.

Mill 1

(b) One (1) enclosed mill system, identified as Mill 1, equipped with a baghouse for particulate matter control, exhausted through Stack 01-MDC-001, installed in April 1992, capacity 12.5 tons of non-metallic minerals per hour.

(c) One (1) storage silo bin, identified as 01-FPT-001, equipped with a cartridge filter for particulate matter control, exhausted through Stack 01-BNV-001, installed in April 1992, storage capacity: 800 tons of non-metallic minerals, throughput capacity: 12.5 tons of non-metallic minerals per hour.

(d) One (1) dust-free loadout, identified as 01-DFL-001, equipped with a baghouse for particulate matter control, exhausted through Stack 01-BNV-002, installed in April 1992, capacity: 12.5 tons of non-metallic minerals per hour.

(e) One (1) outside rock hopper, identified as 01-ORH-001, installed in April 1992, capacity: 37.5 tons of non-metallic minerals per hour. Also utilized by Mills 2 and 3.

(f) One (1) belt conveyor, identified as 01-RBF-001, installed in April 1992, capacity: 37.5 tons of non-metallic minerals per hour. Also utilized by Mills 2 and 3.

(g) One (1) mill feed tank, identified as 01-MFT-001, installed in April 1992, storage capacity: 300 tons of non-metallic minerals, throughput capacity: 37.5 tons of non-metallic minerals per hour. Also utilized by Mills 2 and 3.

(h) One (1) bucket elevator, identified as 01-BEL-001, installed in April 1992, capacity: 37.5 tons of non-metallic minerals per hour. Also utilized by Mills 2 and 3.

(i) One (1) belt conveyor, identified as 01-RBC-001, installed in April 1992, capacity: 37.5 tons of non-metallic minerals per hour. Also utilized by Mills 2 and 3.

Mill 2

(j) One (1) enclosed mill system, identified as Mill 2, equipped with a baghouse for particulate matter control, exhausted through Stack 02-MDC-001, installed in April 1992, capacity 12.5 tons of non-metallic minerals per hour.

(k) One (1) storage silo bin, identified as 02-FPT-001, equipped with a cartridge filter for particulate matter control, exhausted through Stack 02-BNV-001, installed in April 1992, storage capacity: 800 tons of non-metallic minerals, throughput capacity: 12.5 tons of non-metallic minerals per hour.

Mill 3

(l) One (1) enclosed mill system, identified as Mill 3, equipped with a baghouse for particulate matter control, exhausted through Stack 03-MDC-001, installed in April 1992, capacity 12.5 tons of non-metallic minerals per hour.

(m) One (1) storage silo bin, identified as 03-FPT-001, equipped with a cartridge filter for particulate matter control, exhausted through Stack 03-BNV-001, installed in April 1992, storage capacity: 800 tons of non-metallic minerals, throughput capacity: 12.5 tons of non-metallic minerals per hour.

(n) One (1) dust-free loadout, identified as 03-DFL-001, equipped with a baghouse for particulate matter control, exhausted through Stack 03-BNV-002, installed in April 1992, capacity: 12.5 tons of non-metallic minerals per hour.

(o) One (1) inside rock hopper, identified as 03-IRH-001, installed in April 1992, capacity: 12.5 tons of non-metallic minerals per hour.

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

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

(p) One (1) belt conveyor, identified as 03-RBF-001, installed in April 1992, capacity: 12.5 tons of non-metallic minerals per hour.

(q) One (1) product lump breaker, identified as 03-PLB-001, installed in April 1992, capacity: 12.5 tons of non-metallic minerals per hour.

(r) One (1) bucket elevator, identified as 03-BEL-001, installed in April 1992, capacity: 12.5 tons of non-metallic minerals per hour.

(s) One (1) inside feed tank, identified as 03-MFT-001, installed in April 1992, storage capacity: 60 tons of non-metallic minerals, throughput capacity: 12.5 tons of non-metallic minerals per hour.

(t) One (1) belt conveyor, identified as 03-RBC-001, installed in April 1992, capacity: 12.5 tons of non-metallic minerals per hour.

Note: There is no Mill 4.

Mill 5

(u) One (1) enclosed mill system, identified as Mill 5, equipped with a baghouse for particulate matter control, exhausted through Stack 05-MDC-001, installed in March 1997, capacity: 25 tons of non-metallic minerals per hour.

(v) Two (2) storage silo bins, identified as 05-FPT-001 and 05-FPT-002, each equipped with a cartridge filter for particulate matter control, exhausted through Stacks 05-BNV-001 and 05-BNV-002, installed in March 1997, storage capacity: 800 tons of non-metallic minerals each, throughput capacity: 25 tons of non-metallic minerals per hour each.

(w) One (1) dust-free loadout, identified as 05-DFL-001, equipped with a baghouse for particulate matter control, exhausted through Stack 05-BNV-003, installed in March 1997, capacity: 50 tons of non-metallic minerals per hour. Also utilized by Mill 6.

(x) One (1) outside rock hopper, identified as 05-ORH-001, installed in March 1997, capacity: 50 tons of non-metallic minerals per hour. Also utilized by Mill 6.

(y) One (1) belt conveyor, identified as 05-RBF-001, installed in March 1997, capacity: 50 tons of non-metallic minerals per hour. Also utilized by Mill 6.

(z) One (1) bucket elevator, identified as 05-BEL-001, installed in March 1997, capacity: 50 tons of non-metallic minerals per hour. Also utilized by Mill 6.

(aa) One (1) inside feed tank, identified as 05-MFT-001, installed in March 1997, storage capacity: 150 tons of non-metallic minerals, throughput capacity: 50 tons of non-metallic minerals per hour. Also utilized by Mill 6.

Mill 6

(bb) One (1) enclosed mill system, identified as Mill 6, equipped with a baghouse for particulate matter control, and exhausted through Stack 06-MDC-001, and truck loading and unloading operations (05-DFL-001), installed in 2002, capacity: 25 tons of non-metallic minerals per hour.

Storage Silo (Tank 6) and North Scale Loadout

(cc) One (1) 1,000 ton storage silo, identified as 02-FPT-002, equipped with a cartridge filter, identified as 02-BNV-002, for particulate matter control and exhausted through Stack 02-BNV-002, installed in 2004, capacity: 25 tons of non-metallic minerals per hour. Utilized by Mill 2 and Mill 3.

(dd) One (1) truck loadout system, identified as 02-DFL-001, equipped with a baghouse, identified as 02-BNV-003, for particulate matter control and exhausted through Stack 02-BNV-003, installed in 2004, capacity: 50 tons of non-metallic minerals per hour. Utilized by Mill 2 and Mill 3.

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

Emission Limitations and Standards [326 IAC 2-8-5(1)]

D.1.1 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]

The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated as 326 IAC 12-1, apply to the Mills 1, 2, 3, 5 and 6, described in this section except when otherwise specified in 40 CFR 60.670 through 60.676, Subpart OOO.

D.1.2 NSPS Subpart OOO and 326 IAC 12

This source, consisting of Mills 1, 2, 3, 5 and 6, is subject to the New Source Performance Standard 326 IAC 12, 40 CFR 60.670 through 60.676, Subpart OOO. This rule requires that:

(a) Particulate matter (PM) emissions to the atmosphere from any capture system shall be limited to 0.05 grams per dry standard cubic meter or seven percent (7%) opacity.

(b) On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under 40 CFR 60.11, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any fugitive emissions which exhibit greater than 10 percent opacity, except as provided in paragraphs (c), (d), and (e) of 40 CFR 60.672.

(c) On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under 40 CFR 60.11, no owner or operator shall cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15 percent opacity.

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

(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), (b) and (c) of 40 CFR 60.672, or the building enclosing the affected facility or facilities must comply with the following emission limits:

(1) No owner or operator shall cause to be discharged into the atmosphere from any building enclosing any transfer point on a conveyor belt or any other affected facility any visible fugitive emissions except emissions from a vent as defined in 40 CFR 60.671.

(2) No owner or operator shall cause to be discharged into the atmosphere from any vent of any building enclosing any transfer point on a conveyor belt or any other affected facility emissions which exceed the stack emissions limits in paragraph (a).

(f) On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under 40 CFR 60.11, no owner or operator shall cause to be discharged into the atmosphere from any baghouse that controls emissions from only an individual, enclosed storage bin, stack emissions which exhibit greater than 7 percent opacity.

(g) Owners or operators of multiple storage bins with combined stack emissions shall comply with the emission limits in paragraph (a) of 40 CFR 60.672.

(h) On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, no owner or operator shall cause to be discharged into the atmosphere any visible emissions from:

(1) Wet screening operations and subsequent screening operations, bucket elevators,

and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin.

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

D.1.3 PM_{10} Limitations [326 IAC 2-8-4]

(a) The following emission units shall not exceed the following hourly PM_{10} limits:

Facility	**Hourly PM_{10} Emission Limit (lbs/hr)**
Mill 1	0.75
01-FPT-001	0.42
01-DFL-001	0.25
Mill 2	0.75
02-FPT-001	0.42
Mill 3	0.75
03-FPT-001	0.42
Mill 5	2.84
05-FPT-001	0.72
05-FPT-002	0.72
05-DFL-001	0.25
Mill 6	2.84
02-FPT-002	0.52
02-DFL-001	0.27

(b) Compliance with these PM_{10} emission limits will keep the PM_{10} emissions from the source to less than one hundred (100) tons per year and renders the requirements of 326 IAC 2-7 not applicable.

D.1.4 PSD Minor PM and PM_{10} Limits [326 IAC 2-2]

(a) The following emission units shall not exceed the following hourly PM and PM_{10} limits:

Facility	Hourly PM Emission Limit (lbs/hr)	Hourly PM_{10} Emission Limit (lbs/hr)
Mill 1	0.85	0.75
01-FPT-001	0.47	0.42
01-DFL-001	0.28	0.25
Mill 2	0.85	0.75
02-FPT-001	0.47	0.42
Mill 3	0.85	0.75
03-FPT-001	0.47	0.42
03-DFL-001	0.28	0.25
Mill 5	3.21	2.84
05-FPT-001	0.81	0.72
05-FPT-002	0.81	0.72
05-DFL-001	0.28	0.25
Mill 6	3.21	2.84
02-FPT-002	0.58	0.52
02-DFL-001	0.30	0.27

(b) Compliance with the above PM and PM_{10} emission limits together with the potential to emit of the uncontrolled emission units and insignificant activities shall keep the total PM and PM_{10} potential to emit less than two hundred fifty (250) tons per year and less than one hundred (100) tons per year, respectively, and renders the requirements of 326 IAC 2-2 not applicable.

D.1.5 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the following facilities and any control devices:

(a) At the Mill 1 Facilities: Mill 1, 01-FPT-001 and 01-DFL-001

(b) At the Mill 2 Facilities: Mill 2 and 02-FPT-001

(c) At the Mill 3 Facilities: Mill 3, 03-FPT-001 and 03-DFL-001

(d) At the Mill 5 Facilities: Mill 5, 05-FPT-001, 05-FPT-002 and 05-DFL-001

(e) Mill 6

(f) Storage Silo (Tank 6) and North Scale Loadout: 02-FPT-002 and 02-DFL-001

Compliance Determination Requirements [326 IAC 2-8-5(a)(1) & (4)] [326 IAC 2-1.1-11]

D.1.6 Testing Requirements [326 IAC 2-8-5(a)(1), (4)][326 IAC 2-1.1-11] [326 IAC 12] [40 CFR 60, Subpart OOO]

(a) By June 25, 26 and 27, 2008, in order to demonstrate compliance with the NSPS Subpart OOO requirements, the Permittee shall perform PM and opacity testing for all facilities in Mill 1, Mill 2 and Mill 3, respectively, utilizing methods contained in 40 CFR 60.675. These PM and opacity performance tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be in accordance with Section C – Performance Testing.

(b) By September 22, 2010, in order to demonstrate compliance with the NSPS Subpart OOO requirements, the Permittee shall perform PM and opacity testing for all facilities in Mill 5 utilizing methods contained in 40 CFR 60.675. These PM and opacity performance tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be in accordance with Section C – Performance Testing.

(c) By December 17, 2007, in order to demonstrate compliance with the NSPS Subpart OOO requirements, the Permittee shall perform PM and opacity testing for all facilities in Mill 6 utilizing methods contained in 40 CFR 60.675. These PM and opacity performance tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be in accordance with Section C – Performance Testing.

(d) By June 25, 26 and 27, 2008, in order to demonstrate compliance with Condition D.1.4, the Permittee shall perform PM_{10} testing on all facilities controlled by baghouses in Mills 1, 2 and 3 (Mill 1, Mill 2 and Mill 3) utilizing methods as approved by the Commissioner. These PM_{10} performance tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be in accordance with Section C – Performance Testing.

(e) By September 22, 2010, in order to demonstrate compliance with Condition D.1.4, the Permittee shall perform PM_{10} testing on all facilities controlled by baghouses in Mill 5 (Mill 5) utilizing methods as approved by the Commissioner. These PM_{10} performance tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be in accordance with Section C – Performance Testing.

(f) By December 17, 2007, in order to demonstrate compliance with Condition D.1.4, the Permittee shall perform PM_{10} testing on all facilities controlled by baghouses in Mill 6 (Mill 6) utilizing methods as approved by the Commissioner. These PM_{10} performance tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM_{10} includes filterable and condensible PM_{10}. Testing shall be in accordance with Section C – Performance Testing.

(g) By November 10, 2005 (within 90 days after the August 10, 2005 issuance of SPR 127-21182-00038), pursuant to the U.S. EPA waiver, issued on May 2, 2005, the Permittee shall conduct a Method 9 test, according to the requirements provided in 40 CFR Part 60.675(b)(2), on each of the four (4) truck loadout dust collectors, identified as 01-DFL-001, 03-DLF-001, 05-DLF-001 and 02-DFL-001, and subsequently once per quarter for a total of four (4) quarters.

(1) Testing can be reduced to twice a year (semi-annual) if four (4) quarters of quarterly sampling and results indicate opacity percentages are below the seven (7%) percent opacity standard specified in 40 CFR Part 60.672(a)(2).

(2) If any Method 9 test results are above the seven (7%) percent opacity standard in Part 60.672(a)(2), the U.S. EPA must be notified at the following address and the waiver will be reconsidered:

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

D.1.7 Test Methods and Procedures for NSPS Subpart OOO [40 CFR 60.675]

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

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

(1) Method 5 or Method 17 shall be used to determine the particulate matter concentration. The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5, 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 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) and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:

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

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

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

(2) 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, the duration of the Method 9 observations shall be 1 hour (ten 6-minute averages).

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

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

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

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

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

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

(d) In determining compliance with §60.672(e), the owner or operator shall use Method 22 to determine fugitive emissions. The performance test shall be conducted while all affected facilities inside the building are operating. The performance test for each building shall be at least 75 minutes in duration, with each side of the building and the roof being observed for at least 15 minutes.

(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.

(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) and (b) during each particulate matter run and shall determine the averages.

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

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

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

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

D.1.8 Particulate Control

(a) In order to comply with Conditions D.1.2, D.1.3 and D.1.4, the baghouses associated with Mills 1, 2, 3, 5 and/or 6 for PM and PM_{10} control shall be in operation at all times when their respective Mills 1, 2, 3, 5 and/or 6 are in operation.

(b) In order to comply with Conditions D.1.2, D.1.3 and D.1.4, the cartridge filters associated with Mills 1, 2, 3, 5 and/or 6 for PM and PM_{10} control shall be in operation at all times when their respective Mills 1, 2, 3, and/or 5 are in operation.

(c) In order to comply with Conditions D.1.2, D.1.3 and D.1.4, the cartridge filter for PM and PM_{10} control shall be in operation and control emissions from the truck loadout (02-BNV-003) at all times when the truck loadout is in operation.

(d) In order to comply with Conditions D.1.2, D.1.3 and D.1.4, the cartridge filter for PM and PM_{10} control shall be in operation and control emissions from the storage silo (02-BNV-002) at all times when the silo is in operation.

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

Compliance Monitoring Requirements [326 IAC 2-8-6(1)] [326 IAC 2-8-5(1)]

D.1.9 Visible Emissions Notations

(a) Visible emission notations of the stack exhausts for Mill 1 (01-MDC-001, 01-BNV-001 and 01-BNV-002), for Mill 2 (02-MDC-001 and 02-BNV-001), for Mill 3 (03-MDC-001, 03-BNV-001 and 03-BNV-002), for Mill 5 (05-MDC-001, 05-BNV-001, 05-BNV-002 and 05-BNV-003), for Mill 6 (06-MDC-001), for the Storage Silo (Tank 6) (02-BNV-002) and for the North Scale Loadout (02-BNV- 003) shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

D.1.10 Parametric Monitoring

(a) The Permittee shall record the pressure drop across the baghouses and cartridge filters used in conjunction with Mill 1, 2, 3 and 5 operations, at least once per day when Mill 1, 2, 3 and 5 is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouses and cartridge filters is outside the normal range of 2.0 and 9.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C -

Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

(b) The Permittee shall record the pressure drop across the baghouse used in conjunction with Mill 6, at least once per day while the Mill 6 is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouses is outside the normal range of 2.0 and 9.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

(c) The Permittee shall record the pressure drop across the baghouses and cartridge filters used in conjunction with the Storage Silo (Tank 6) (02-BNV-002) and the North Scale Loadout (02-BNV- 003), at least once per day while the facilities are in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouses is outside the normal range of 2.0 and 9.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.1.11 Broken or Failed Bag Detection

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

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

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

Record Keeping and Reporting Requirement [326 IAC 2-8-5(3)] [326 IAC 2-8-19]

D.1.12 Record Keeping Requirements

(a) To document compliance with Condition D.1.9, the Permittee shall maintain daily records of visible emission notations of the stack exhausts for Mill 1 (01-MDC-001, 01-BNV-001

and 01-BNV-002), for Mill 2 (02-MDC-001 and 02-BNV-001), for Mill 3 (03-MDC-001, 03-BNV-001 and 03-BNV-002), for Mill 5 (05-MDC-001, 05-BNV-001, 05-BNV-002 and 05-BNV-003), Mill 6 (06-MDC-001), for the Storage Silo (Tank 6) (02-BNV-002,) and for the North Scale Loadout (02-BNV-003). The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the process did not operate that day).

(b) To document compliance with Condition D.1.10, the Permittee shall maintain records once per day of the pressure drop during normal operation when venting to the atmosphere. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g., the process did not operate that day).

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

D.1.13 Reporting and Recordkeeping Requirements [326 IAC 12] [40 CFR 60.676]

(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:

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

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

(2) For a screening operation:

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

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

(3) For a conveyor belt:

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

(B) The width of the replacement conveyor belt.

(4) For a storage bin:

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

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

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

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

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

(e) 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.

(f) 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.

SECTION D.2 FACILITY OPERATION CONDITIONS

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

(a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-5] [326 IAC 8-3-8]

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

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

Emission Limitations and Standards [326 IAC 2-8-5(1)]

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

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser facility shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

D.2.2 Material Requirements for Cold Cleaning Degreasers [326 IAC 8-3-8]

The Permittee shall do the following:

(a) Cause or allow the sale of solvents for use in cold cleaning degreasing operations with a vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit) in an amount greater than five (5) gallons during any seven (7) consecutive days to an individual or business.

(b) Operate a cold cleaning degreaser with a solvent vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

D.2.3 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).

Record Keeping and Reporting Requirement [326 IAC 2-8-5(3)] [326 IAC 2-8-19]

D.2.4 Record Keeping Requirements

(a) To document compliance with Condition D.2.2, the Permittee shall maintain each of the following records for each purchase:

(1) The name and address of the solvent supplier.

(2) The date of purchase.

(3) The type of solvent.

(4) The volume of each unit of solvent.

(5) The total volume of the solvent.

(6) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

(b) All records required by 326 IAC 8-3-8(d) shall be retained on-site for the most recent three (3) year period and shall be reasonably accessible for an additional two (2) year period.

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

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

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: O-N Minerals (Portage) Company LLC
Source Address: 165 Steel Drive, Portage, Indiana 46368
Mailing Address: 165 Steel Drive, Portage, Indiana 46368
FESOP No.: F 127-19508-00038

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

Please check what document is being certified:

9 Annual Compliance Certification Letter

9 Test Result (specify) _____

9 Report (specify) _____

9 Notification (specify) _____

9 Other (specify) _____

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

Signature:

Printed Name:

Title/Position:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

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

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY/DEVIATION OCCURRENCE REPORT

Source Name: O-N Minerals (Portage) Company LLC
Source Address: 165 Steel Drive, Portage, Indiana 46368
Mailing Address: 165 Steel Drive, Portage, Indiana 46368
FESOP No.: F 127-19508-00038

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

Check either No. 1 or No.2

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

9 2. This is a deviation, reportable per 326 IAC 2-8-4(3)(C)
The Permittee must submit notice in writing within ten (**10**) calendar days

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
SEMI-ANNUAL COMPLIANCE MONITORING REPORT

Source Name: O-N Minerals (Portage) Company LLC
Source Address: 165 Steel Drive, Portage, Indiana 46368
Mailing Address: 165 Steel Drive, Portage, Indiana 46368
FESOP No.: F 127-19508-00038

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

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted semi-annually. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked ANo deviations occurred this reporting period@.

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Compliance Monitoring Requirement (eg. Permit Condition D.1.3)	**Number of Deviations**	**Date of each Deviation**

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Ron Vessell
O-N Minerals (Portage) Company, LLC
165 Steel Dr
Portage, IN 46368

DATE: October 19, 2009

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

SUBJECT: Final Decision
Administrative Amendment
127-28485-00038

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

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

A copy of the final decision and supporting materials has also been sent via standard mail to:
Plant Manager (O-N Minerals (Portage) Company, LLC)
OAQ Permits Branch Interested Parties List

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

Final Applicant Cover letter.dot 11/30/07

Mail Code 61-53

IDEM Staff	MIDENNEY 10/19/2009 O-N Minerals (Portage) Company LLC 127-28485-00038 (final)			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**	

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		Ron Vessell O-N Minerals (Portage) Company LLC 165 Steel Dr Portage IN 46368 (Source CAATS) via confirmed delivery									
2		Plant Mgr O-N Minerals (Portage) Company LLC 165 Steel Dr Portage IN 46368 *(RO CAATS)*									
3		Laurence A. McHugh Barnes & Thornburg 100 North Michigan South Bend IN 46601-1632 *(Affected Party)*									
4		Porter County Board of Commissioners 155 Indiana Ave Valparaiso IN 46383 *(Local Official)*									
5		Porter County Health Department 155 Indiana Ave, Suite 104 Valparaiso IN 46383-5502 *(Health Department)*									
6		Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 *(Affected Party)*									
7		Mr. Ed Dybel 2440 Schrage Avenue Whiting IN 46394 *(Affected Party)*									
8		Ms. Carolyn Marsh Lake Michigan Calumet Advisory Council 1804 Oliver St Whiting IN 46394-1725 *(Affected Party)*									
9		Mr. Dee Morse National Park Service 12795 W Alameda Pky, P.O. Box 25287 Denver CO 80225-0287 *(Affected Party)*									
10		Mr. Joseph Virgil 128 Kinsale Avenue Valparaiso IN 46385 *(Affected Party)*									
11		Mark Coleman 9 Locust Place Ogden Dunes IN 46368 *(Affected Party)*									
12		Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 *(Affected Party)*									
13		Eric & Sharon Haussman 57 Shore Drive Ogden Dunes IN 46368 (Affected Party)									
14		Portage City Council and Mayors Office 6070 Central Ave Portage IN 46368 *(Local Official)*									
15		Joseph Hero 11723 S Oakridge Drive St. John IN 46373 *(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.
14			

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