



# Florida Department of Environmental Protection

Central District  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32803-3767

Rick Scott  
Governor

Jennifer Carroll  
Lt. Governor

Herschel T. Vinyard Jr.  
Secretary

*Electronically Sent- Received Receipt Requested*

## FINAL PERMIT

### PERMITTEE

Lhoist North America  
9020 Overlook Blvd., Suite 200  
Brentwood, TN 37027  
Authorized Representative:  
Mr. Jim Ruddell, Environmental Director

Air Permit No. 0830016-015-AF  
Permit Expires: 06/30/2017  
Site Name: Lowell Plant  
Synthetic Minor Source Air Operation  
Permit  
Project Name: Limestone Mining and  
Production

This is the final air operation permit, a Federally Enforceable State Operation Permit (FESOP), which authorizes operation of a limestone mining, drying and processing facility. The operations are conducted at the Lhoist North America, Lowell plant (Standard Industrial Classification No. 1422). The facility is located in Marion County at 11661 NW Gainesville Road in Ocala, Florida. The UTM coordinates are Zone 17, 384.70 km East, and 3244.20 km North.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Facility-wide and Emissions Unit Specific Conditions

Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of final permit. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of final permit, whichever

occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

All petitions filed under these rules shall contain:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301 of the Florida Administrative Code.

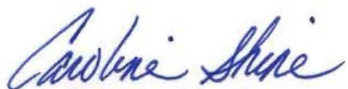
Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

Any party to this order has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the

appropriate district court of appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Orange County, Florida



Caroline D. Shine  
District Air Program Administrator  
Central District

June 25, 2012  
Effective Date

### **CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Permit and the Appendices) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on June 25, 2012 to the persons listed below.

Jim Ruddell, Environmental Director, Lhoist North America ([jim.ruddell@lhoist.com](mailto:jim.ruddell@lhoist.com))  
Robert Kehrman, P.E., ([robert.kehrman@lhoist.com](mailto:robert.kehrman@lhoist.com))

Clerk Stamp

**FILED**, on this date, pursuant to Section 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

\_\_\_\_\_, June 25, 2012  
(Clerk) (Date)

**FACILITY AND PROJECT DESCRIPTION****Existing Facility**

The existing facility consists of a limestone mining, drying and processing facility. The facility consists of the following emissions units:

Facility ID No. 08300116	
ID No.	Emission Unit Description
001	66" Raymond Mill
002	#1 Granular system crushing screening convey with baghouse
004	Granular system #2 with baghouse
005	Limestone fluidized bed dryer with baghouse
006	Limestone rotary dryer
007	Fine grind load out
008	73" Raymond Mill
009	Truck blow-off bin & baghouse
011	Granular load out D-2 area with dust collector
012	Silo 5
013	Ball mill & feed silo

**Project Description**

The purpose of this project is to incorporate terms and conditions of Construction Permit 0830016-013-AC.

**FACILITY REGULATORY CLASSIFICATION**

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- This facility is a synthetic minor non-Title V source for particulates.

**PERMIT HISTORY/AFFECTED PERMITS**

This project is the Final Air Operation Permit No. 0830016-015-AF for the facility.

## SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

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1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection, Central District Air Resource Management Section. The Central District's mailing address and phone number is:

Florida Department of Environmental Protection  
Central District Office  
Air Resource Management Section  
3319 Maguire Blvd., Ste. 232  
Orlando, FL 32803-3767 Telephone: 407-897-4100

All documents related to applications for permits shall be submitted to the above address.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Central District Air Resource Management Section (see above mailing address and phone number).
3. Appendices: The following Appendices are attached as part of this permit:
  - a. Appendix A. Citation Formats and Glossary of Common Terms;
  - b. Appendix B. General Conditions;
  - c. Appendix C. Common Conditions;
  - d. Appendix D. Common Testing Requirements;
  - e. Appendix E. 40 CFR 60, Subpart A – General Provisions; and
  - f. Appendix F. 40 CFR Part 60, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.  
[Rule 62-4.080, F.A.C.]
6. Modifications: Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as: Any physical change or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility.  
[Rules 62-210.200 - Definition of "Modification" and 62-210.300(1)(a), F.A.C.]
7. Annual Operating Report: On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) for the preceding calendar year. The report may be submitted electronically in accordance

## SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

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with the instructions received with the AOR package sent by the Department, or a hardcopy may be sent to the Compliance Authority.

[Rule 62-210.370(3), F.A.C.]

8. Operation Permit Renewal Application: A completed application for renewal of the operation permit shall be submitted to the Permitting Authority no later than 60 days prior to the expiration date of the operation permit. To properly apply for an operation permit, the applicant shall submit the following:
- a. the appropriate permit application form (*see current version of Rule 62-210.900, F.A.C. (Forms and Instructions)*), and/or *FDEP Division of Air Resource Management website at: <http://www.dep.state.fl.us/air/>*;
  - b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.;
  - c. copies of the most recent compliance test reports required by Specific Conditions No. **A.9.** and **B.4.**, if not previously submitted;
  - d. copies of the most recent two months of records/logs specified in Specific Conditions No(s). **A.18.** and **B.8.**

[Rules 62-4.030, 62-4.050, 62-4.070(3), 62-4.090, 62-210.300(2), and 62-210.900, F.A.C.]

### SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

#### A. EU No(s). 005 and 006-Limestone Drying System

This section of the permit addresses the following emissions units.

Facility ID No. 08300116	
ID No.	Emission Unit Description
005	Limestone fluidized bed dryer. The dryer is fired by No. 2, No. 5, No. 6 fuel oil, propane or natural gas and is equipped with a MAC Equipment Model 144RPT728 baghouse having an air to cloth ratio of 5.5 to 1 to control particulate emissions.
006	Limestone rotary dryer equipped with two cyclones and a wet scrubber to control particulate emissions.

#### PERFORMANCE RESTRICTIONS

- A.1. Permitted Capacity: The emission units are not to exceed the following limitations per any consecutive 12-month period:

ID No.	Process Rate (tons per year)	Hours of Operation per year	Fuel Oil Usage	% Sulfur
005	946,080	8,000	See Specific Conditions A.2 and A.3	1.95
006	438,000	2,500	See Specific Conditions A.2 and A.3	1.95

[Permit Application dated 03/14/2012 and Rule 62-210.200(PTE), F.A.C.]

- A.2. Authorized Fuel: If burning only one (1) type of fuel during a consecutive twelve month period, the consecutive twelve months period amount of fuel burned by the fluidized bed dryer and rotary dryer combined (total, both dryers) shall not exceed 2.8 million gallons of fuel oil with a sulfur percentage not greater than 1.95 percent, 420 million standard cubic feet of natural gas, or 4.6 million gallons of propane.  
[Rule 62-210.200(PTE), F.A.C.]

- A.3. Restricted Operation: If burning more than one (1) type of fuel during a consecutive twelve months period, the sum of the following three (3) ratios shall not exceed one (1) during a consecutive twelve months period.

- a) consecutive 12-months amount of fuel oil\* burned by the fluidized bed dryer and rotary dryer  
2.8 million gallons of fuel oil

\* fuel oil with a sulfur percentage not greater than 1.95 percent

- b) consecutive 12-months amount of natural gas burned by the fluidized bed dryer and rotary dryer  
420 million standard cubic feet of natural gas

- c) consecutive 12-months amount of propane burned by the fluidized bed dryer and rotary dryer  
4.6 million gallons of propane

[Rule 62-210.200(PTE), F.A.C.]

- A.4. Restricted Operation: **The Rotary Dryer shall not operate without first obtained an air construction permit for a baghouse to control the emissions, and having the baghouse**

## SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

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### A. EU No(s). 005 and 006-Limestone Drying System

**in operation.** [Rule 62-4.070, F.A.C. and correspondence from Franklin Industrial Minerals dated 4/6/2010.]

### EMISSIONS STANDARDS

A.5. Reasonable Precautions of Unconfined Emissions of Particulate Matter: All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter (PM). These provisions are applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial-related activities such as loading, unloading, storing, and handling. Reasonable precautions to be taken shall include, but not be limited to the following:

- a. Paving and maintenance of roads, parking areas, and yards;
- b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing;
- c. Application of asphalt, water, oil, chemicals, or other dust suppressants to unpaved roads, yards, open stock piles, and similar activities;
- d. Removal of PM from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment, and from building(s) or work areas to prevent particulate from becoming airborne;
- e. Landscaping or planting of vegetation; and
- f. Sprinkling with water shall be used as necessary on paved areas, unpaved areas, stockpiles, and during loading/unloading operations.

[Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C.]

A.6. Particulate Emissions Standards:

For EU 005 - The allowable particulate emission rate is capped at 7.0 lbs./hr.

[Rule 62-210.200(PTE), F.A.C.]

A.7. Particulate Emissions Standards: Total facility particulate emissions from the combined emission units, excluding the two dryers, shall not exceed 45 tons per consecutive twelve months.

[Rule 62-210.200 (PTE) and permit application received June 8, 1998]

A.8. Visible Emissions (VE) Standard: The visible emissions for each emission unit are limited to less 5 percent opacity. [Permit Application dated 03/14/2012 and Rule 62-296.320(4)(b) F.A.C.]

### TESTING REQUIREMENTS

A.9. Annual Compliance Tests: Each emission unit must be tested for visible emissions in accordance with DEP Method 9 during each federal fiscal year (October 1 – September 30). [Rules 62-296.711, 62-297.310(7)(a)4. and 62-297.310(4)(a)2., F.A.C.]

**[Permitting Note: Particulate tests waived in accordance with Rule 62-297.620(4), F.A.C.]**

A.10. Test Requirements: Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.

[Rule 62-297.310, F.A.C.]



### SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

#### A. EU No(s). 005 and 006-Limestone Drying System

- A.11. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

Method(s)	Description of Method and Comments
DEP Method 9	DEP Method 9 Visual Determination of the Opacity of Emissions from Stationary Sources

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.

[Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

- A.12. Operation Rate During Testing: Testing of emissions shall be conducted with the emissions units operating at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]

- A.13. Emission Factors: The potential to emit for PM, SO<sub>2</sub> and NO<sub>x</sub> emissions shall be computed according to the following procedures and emission factors and previous compliance test factors:

a) For PM

EU 005 - Fluidized Bed Dryer – the amount of time operated (hours) multiplied by 3.7 lbs./hr. (for fuel oil)

EU 005 - Fluidized Bed Dryer – the amount of time operated (hours) multiplied by 0.58 lbs./hr. (for natural gas)

b) For SO<sub>2</sub>

EU 005

Using Fuel Oil: AP 42 factor (157 lbs/mgal) multiplied by the **sulfur percent of the fuel oil being combusted** multiplied by SO<sub>2</sub> emission reduction factor (calculated using the removal efficiency based on previous testing (100% - 95%)) multiplied by the fuel oil usage multiplied by hours operated.

Using Natural Gas: AP 42 factor (0.6 lbs/mmcf) multiplied by the natural gas usage multiplied by hours operated.

Using Propane: AP 42 factor (.10S lb/mgal) multiplied by the propane usage multiplied by hours operated. S equals the sulfur content of the propane expressed in gr/100 ft<sup>3</sup>.

## SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

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### A. EU No(s). 005 and 006-Limestone Drying System

c) For NO<sub>x</sub>

EU005

Using Fuel Oil: AP 42 factor (55 lbs/mgallons) multiplied by the fuel oil usage multiplied by hours operated.

Using Natural Gas: AP 42 factor (100 lbs/mmcft) multiplied by the natural gas usage multiplied by hours operated.

Using Propane: AP 42 factor (13 lbs/mgallons) multiplied by propane usage multiplied by hours operated.

[Rule 62-4.070(3), F.A.C.]

- A.14. Special Compliance Tests: When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department. [Rule 62-297.310(7)(b), F.A.C.]

### NOTIFICATION REQUIREMENTS

- A.15. Test Notification: The permittee shall notify the Compliance Authority at least 15 days prior to any required tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.  
[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

### RECORDS AND REPORTS

- A.16. The fuel sulfur content, percent by weight, for liquid fuels shall be evaluated using ASTM methods ASTM D4057-88 and one of ASTM D2622-94, ASTM D4294-98, ASTM D1552-95 or ASTM D129-91 or more recent editions adopted and incorporated by reference in Rule 62-297.440(1), F.A.C. Alternately, after written notification to and approval by the Department, the permittee may use other DEP Air Program-approved methods, i.e. alternate sampling procedures, for sulfur in petroleum products. [Rule 62-4.070, F.A.C.]
- A.17. The permittee shall maintain records to demonstrate that the sulfur content, by weight, of each shipment of new and on-spec used oil and that the sulfur content was determined in accordance with the methods listed in Specific Condition No. **A.16.** of this permitting section.  
[Rule 62-4.070, F.A.C.]
- A.18. In order to demonstrate compliance with specific condition numbers **A.1**, **A.2**, and **A.3** of this permitting section; and general condition number 14.c. as specified in Appendix B (General Conditions) of this permit, the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded. The log shall contain the following:

## SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

### A. EU No(s). 005 and 006-Limestone Drying System

#### Monthly

- a) designation of the month and year of operation for which the records are being tabulated;
- b) consecutive 12-month total of the process rates (tons), the type and amount of fuels consumed, and potential to emit for particulate emissions, sulfur dioxide emissions, and nitrogen oxide emissions.
- c) fuel records relating to general condition number 14.c. in Appendix B (General Conditions). This includes fuel records to demonstrate that the sulfur content, by weight, of each shipment of new and on-spec used oil as required by Specific Condition No. A.16. of this permitting section. [Rule 62-4.070(3), F.A.C.]

#### **The monthly logs shall be completed by the end of the following month.**

Note: A consecutive 12 months total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-months total treats each month of the year as the end of a 12-months period. A 12-months total is not a year-to-date total. Facilities that have not been operating for 12 months should retain 12 months totals using whatever number of months of data are available until such a time as a consecutive 12 months total can be maintained each month.

[Rule 62-4.070(3), F.A.C.]

- A.19. Logs must document the method, calculations, and formulas used in determining the usage rate and the emission rate. This includes, but is not limited to, the product name, density, individual and total HAP contents, and individual and total VOC content. All calculations, including those used to derive emission credits for mass balance must be clearly documented, and may be presented in the form of a template of sample calculations, which is filed with the logs required in this specific condition and available for review on site by regulatory inspectors.  
[Rule 62-4.070(3), F.A.C.]
- A.20. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. For each test run, the report shall also indicate the information listed in Rules 62-297.310(8)(c)6., 12., 18., and 19., F.A.C. [Rule 62-297.310(8), F.A.C.]
- A.21. Annual Operating Report: An Annual Operating Report is required to be completed and submitted for this facility as specified in Appendix C (Common Conditions) of this permit. This facility is classified as a synthetic non-Title V source.  
[Rule 62-210.370(3), F.A.C.]
- A.22. Operation and Maintenance (O & M) Plan for Particulate Control: The facility shall develop and implement an operation and maintenance (O&M) plan to minimize the PM emissions from the regulated emissions points and the facility wide fugitive PM emissions. The dates and actions of the following procedures shall be documented. These include:
  - a) Daily inspections of all process equipment and the emissions control systems to identify any equipment leaks or malfunctions during the days when operating.
  - b) Conduct repair/corrective action as soon as possible once the leaks or malfunctions are identified.

### SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

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#### A. EU No(s). 005 and 006-Limestone Drying System

- c) Daily monitoring of the pressure drop for each control unit system during the days when operating. The control unit's pressure shall be operated in the range of the manufacturer's recommendation. The pressure drop shall be recorded on a daily basis on the days when operating.
- d) Daily inspection on the stack visible emissions from each dryer and baghouse during the day when operating. If an unusually high visible emission (compare to normal) is observed, the operator shall evaluate the process equipment and the control unit (if any) in order to conduct corrective action to bring the visible emissions back to normal.
- e) Watering, or an equivalent method, shall be implemented, to reduce fugitive PM emissions.
- f) Installation and monitoring of pressure gauge to monitor the pressure drop across EU 005 – Limestone Fluidized Bed.

Upon the Department's request, the facility shall revise the O&M plan to make the necessary changes to reduce PM emissions, including fugitive PM emissions. The revision of the O&M plan does not require permit revision. The plan (with the latest revision) shall be kept on site at all times, and made available to the Department upon request.

[Rule 62-4.070(3), F.A.C.]

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**SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

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**B. Material Handling System**

This section of the permit addresses the following emissions units.

Facility ID No. 08300116	
ID No.	Emission Unit Description
001	66" Raymond Mill equipped with a Flex-Kleen, Model 100 WRBS-48 III baghouse with a particulate control efficiency of approximately 99%.
002	#1 Granular system crushing screening convey - dry limestone crushing operation utilizing a Mikro-Pulsaire Model 196 TRH-8-20 baghouse having an air to cloth ratio of 4 to 1 to control particulate emissions from 19 locations. This emission unit is subject to 40 CFR 60.672, Subpart 000.
004	Granular system #2 - material transfer operations with a Flex Kleen baghouse to control particulate emissions. This emission unit is subject to 40 CFR 60.672, Subpart 000.
007	Fine grind load out Area D-1 - particulate emissions are controlled by a Todd baghouse and two load out dust collectors.
008	73" Raymond Mill equipped with a Model 100 WRBS-64 Arrangement III Flex Kleen baghouse with a particulate control efficiency of approximately 99%.
009	Truck blow-off bin equipped with a free flow model PJ-P25-EB-10 baghouse having an air to cloth ratio of 4 to 1 to control particulate emissions.
011	Granular load out Area D-2 equipped a MAC Equipment. Model 96LST144 baghouse, having an air to cloth ratio of 4.1 to 1 to control particulate emissions at the silo/truck and rail loading areas. Two, 400 cubic feet per minute (cfm and one 1,000 cfm ventilation units are contained in this area to assist in fugitive dust collection
012	Silo 5 equipped with a Flex-Kleen, Model 100 BUBS-25 baghouse.
013	Ball mill and feed silo, a 50 ton separator, and a free flow bag house and a Griffin bag house, having an air to cloth ratio of 5 to 1 to control particulate emissions. This emission unit is subject to 40 CFR 60.672, Subpart 000.

## SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

### B. Material Handling System

#### PERFORMANCE RESTRICTIONS

- B.1. Permitted Capacity: The emission units are not to exceed the following limitations per any consecutive 12-month period:

ID No.	Process Rate (tons per year)	Hours of Operation per year
001	131,400	8,000
002	613,200	8,760
004	613,200	8,760
007	236,500	8,000
008	105,120	8,760
009	15,768	8,000
011	3,652,920	8,760
012	3,652,920	8,760
013	219,000	8,000

[Permit Application dated 03/14/2012 and Rule 62-210.200(PTE), F.A.C.]

#### EMISSIONS STANDARDS

- B.2. Visible Emissions (VE) Standards: EU 002, EU 004 and EU 013 are subject to the provisions of 40 CFR Part 60, Subpart A - General Provisions, the complete text of which is provided in Appendix E of this permit, and 40 CFR Part 60, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants, the complete text of which is provided in Appendix F of this permit. In accordance with 40 CFR Part 60, Subpart OOO, visible emissions for these emission units are limited to 7 percent opacity and fugitive emissions are limited to 10 percent opacity.

[40 CFR Part 60, Subparts A and OOO]

The visible emissions for the remaining emission units listed in this permitted section (EU 001, EU 007, EU 008, EU 009, EU 011, and EU 012) are limited to less than 5 percent opacity.  
[Rule 62-296.711(2), F.A.C.]

- B. 3. Reasonable Precautions of Unconfined Emissions of Particulate Matter: All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter (PM). These provisions are applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial-related activities such as loading, unloading, storing, and handling. Reasonable precautions to be taken shall include, but not be limited to the following:

- Paving and maintenance of roads, parking areas, and yards;
- Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing;
- Application of asphalt, water, oil, chemicals, or other dust suppressants to unpaved roads, yards, open stock piles, and similar activities;

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- d) Removal of PM from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment, and from building(s) or work areas to prevent particulate from becoming airborne;
- e) Landscaping or planting of vegetation; and
- f) Sprinkling with water shall be used as necessary on paved areas, unpaved areas, stockpiles, and during loading/unloading operations.
- g) Unconfined emissions that might be generated from various activities throughout a nonmetallic mineral processing plant processing dry material shall be controlled by using a water suppression system with spray bars located at the feeder(s), the entrance and exit of the crusher(s), the classifier screens, and the conveyor drop points.
- h) Unconfined emissions that might be generated by vehicular traffic or wind shall be controlled by applying water (by water trucks equipped with spray bars) or effective dust suppressant(s) on a regular basis to all stockpiles, roadways and work-yards where this nonmetallic mineral processing plant is located.
- i) [Rules 62-210.300 (4)(c)5.d.(i) and (ii) and Rules 62-4.070(3) F.A.C.]

#### TESTING REQUIREMENTS

- B.4. Annual Compliance Tests: Each emission unit must be tested for visible emissions in accordance with DEP Method 9 during each federal fiscal year (October 1 – September 30). [Rules 62-296.711, 62-297.310(7)(a)4. and 62-297.310(4)(a)2., F.A.C.]
- B.5. Test Requirements: Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310, F.A.C.]
- B.6. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

Method(s)	Description of Method and Comments
DEP Method 9	DE P Method 9 Visual Determination of the Opacity of Emissions from Stationary Sources

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.  
[Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

- B.7. Operation Rate During Testing: Testing of emissions shall be conducted with the emissions units operating at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]

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**MONITORING REQUIREMENTS**

- B.8. In order to demonstrate compliance with Specific Condition Number **B.1.** of this permitting section, the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded. The log shall contain the following:

Monthly

- a) designation of the month and year of operation for which the records are being tabulated; and
- b) consecutive 12-month total of the process rates (tons) and consecutive 12-month total of potential to emit for particulate emissions

[Rule 62-4.070(3), F.A.C.]

Note: A consecutive 12 months total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-months total treats each month of the year as the end of a 12-months period. A 12-months total is not a year-to-date total. Facilities that have not been operating for 12 months should retain 12 months totals using whatever number of months of data are available until such a time as a consecutive 12 months total can be maintained each month.

[Rule 62-4.070(3), F.A.C.]

- B.9. Logs must document the method, calculations, and formulas used in determining the usage rate and the emission rate. This includes, but is not limited to, the product name, density, individual and total HAP contents, and individual and total VOC content. All calculations, including those used to derive emission credits for mass balance must be clearly documented, and may be presented in the form of a template of sample calculations, which is filed with the logs required in this specific condition and available for review on site by regulatory inspectors.

[Rule 62-4.070(3), F.A.C.]

- B.10. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. For each test run, the report shall also indicate the information listed in Rules 62-297.310(8)(c)6., 12., 18., and 19., F.A.C. [Rule 62-297.310(8), F.A.C.]

- B.11. Annual Operating Report: An Annual Operating Report is required to be completed and submitted for this facility as specified in Appendix C (Common Conditions) of this permit. This facility is classified as a synthetic minor (non-Title V) source. [Rule 62-210.370(3), F.A.C.]

- B.12. Operation and Maintenance Plan: The facility shall develop and implement an operation and maintenance (O&M) plan to minimize the PM emissions from the regulated emissions points and the facility-wide fugitive PM emissions. The dates and actions of the following procedures shall be documented. These include:

- a) Daily inspections of all process equipment and the emissions control systems to identify any equipment leaks or malfunctions during the days when operating.
- b) Conduct repair/corrective action as soon as possible once the leaks or malfunctions are identified.



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#### B. Material Handling System

- c) Daily monitoring of the pressure drop for each control unit system during the days when operating. The control unit's pressure shall be operated in the range of the manufacturer's recommendation. The pressure drop shall be recorded on a daily basis on the days when operating.
- d) Daily inspection on the stack visible emissions from each dryer and baghouse during the day when operating. If an unusually high visible emission (compare to normal) is observed, the operator shall evaluate the process equipment and the control unit (if any) in order to conduct corrective action to bring the visible emissions back to normal.
- e) Watering, or an equivalent method, shall be implemented, to reduce fugitive PM emissions.
- f) Installation and monitoring of pressure gauges to monitor the pressure drop across the baghouses listed below.

EU 001 – 66' Raymond Mill Flex-Kleen baghouse  
EU 002 – #1 Granular System Mikropul baghouse  
EU 004 – #2 Granular System baghouse  
EU 007 – Fine Grind Load out Area Todd baghouse – material transfer, storage  
EU 008 – 73" Raymond Mill Flex-Kleen baghouse  
EU 011 – Granular Load out Area MAC baghouse – material transfer, storage  
EU 012 – Material transfer and silo 5 Flex-Kleen baghouse  
EU 013 – Baghouse controlling the Ball Mill

Upon the Department's request, the facility shall revise the O&M plan to make the necessary changes to reduce PM emissions, including fugitive PM emissions. The revision of the O&M plan does not require permit revision. The plan (with the latest revision) shall be kept on site at all times, and made available to the Department upon request. [Rule 62-4.070(3), F.A.C.]