FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CENTRAL DISTRICT
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ORLANDO, FLORIDA 32803-3767

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Electronically Sent- Received Receipt Requested
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FINAL PERMIT

PERMITTEE

Lhoist North America
750 Old Hickory Blvd.
Brentwood, TN 37207

Authorized Representative:
Jim Ruddell, Regional Environmental Manager

Air Permit No. 0830016-017-AC
Permit Expires: March 30, 2016
Site Name: Lowell Plant
Synthetic Minor Source Air Construction Permit
Project Name: Mill Modification

This is the final Initial Air Construction Permit. This permit authorizes the removal of the rotary dryer (EU 006), which is equipped with two cyclones and a wet scrubber; and the modification of the Mill Systems (EU 001 and EU 008), Silo 5 (EU 012), and the Fine Grind Loadout Area (EU 007). Lhoist North America – Lowell Plant (Standard Industrial Classification No. 1422) is located in Marion County at 11661 NW Gainesville Rd. in Lowell, Florida. The UTM coordinates are Zone 17, 384.7 km East, and 3244.2 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 hearing in accordance with Sections 120.569 and 120.57, F.S. Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this written notice of Intent to Issue Air Permit. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days

of publication of the attached Public Notice or within 14 days of receipt of this written notice of Intent to Issue Air Permit, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 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. A petition for administrative hearing must contain the information set forth below and must be filed (received) with the Agency Clerk in the Office of General Counsel, 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida 32399-3000, Agency.Clerk@dep.state.fl.us, before the deadline. 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 (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, any email address, telephone number and any facsimile number of the petitioner; the name, address, any email address, telephone number, and any facsimile 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 each petitioner received notice of the agency action or proposed 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 the 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 Permitting Authority'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, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this written notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority 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

F. Thomas Lubozynski — December 5, 2014

F. Thomas Lubozynski, P.E. — Date
Waste & Air Resource Programs Administrator

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 December 5, 2014 to the persons listed below.

Jim Ruddell, Regional Environmental Manager, Lhoist North America: **jim.ruddell@lhoist.com**
Robert Kehrman, P.E., Engineer: **bobby.kehrman@lhoist.com**
Ana Oquendo, EPA Region 4: **oquendo.ana@epa.gov**
Natasha Hazziez, EPA Region 4: **hazziez.natasha@epa.gov**
Jeff Rustin, P.E., FDEP – Central District: **jeff.rustin@dep.state.fl.us**

Clerk Stamp

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

Dawn M. Festa — December 5, 2014

(Clerk) — (Date)

FACILITY AND PROJECT DESCRIPTION

Existing Facility – Lhoist North America – Lowell Plant

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

Facility ID No. 0830016	
ID No.	Emission Unit Description
001	66” Raymond Mill
002	#1 Granular System
004	Granular system #2 with baghouse
005	Limestone fluidized bed dryer with baghouse
006	Limestone rotary dryer
007	Fine Grind Loadout Area
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 and feed silo

Proposed Project

This project is an Air Construction Permit for the removal of the rotary dryer (EU 006), which is equipped with two cyclones and a wet scrubber; and the modification of Mill Systems (EU 001 and EU 008), Silo 5 (EU 012), and the Fine Grind Loadout Area (EU 007). Mill System (EU 008) will include a new classifier and dust collection to further classify sizing of limestone. Material transfer will be modified for Mill System (EU 001) and Silo 5 (EU 012) to accommodate the material. The modification of material transfer includes enclosed screw augers and piping for pneumatic transfer of material. The Fine Grind Loadout Area (EU 007) will include the removal of two existing bins and the construction of a new silo, loadout and dust collection system.

Additionally, this permit clarifies that there are two particulate matter emission limits for the facility: a 30 tons per consecutive 12-month period limit for the Limestone Fluidized Bed Dryer (Condition A.7.) and a 55 tons per consecutive 12-month period limit for the Material Handling System (Condition B.4.).

This project will remove or modify the following emission units:

Facility ID No. 0830016	
ID No.	Emission Unit Description
001	66” Raymond Mill
006	Limestone rotary dryer (complete removal)
007	Fine Grind Loadout Area
008	73” Raymond Mill
012	Silo 5

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 classified as a synthetic minor source for particulate matter (PM).
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

PERMIT HISTORY/AFFECTED PERMITS

Permit No. 0830016-015-AF was issued on June 25, 2012 and Administrative Correction No. 0830016-016-AF was issued on September 26, 2012. These are the current operating air permits for the facility.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

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

   Florida Department of Environmental Protection
   Central District Office
   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 or electronically to the following address: **DEP_CD@dep.state.fl.us**. In each document, clearly identify the Air Permit Project No. 0830016-017-AC.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Central District Compliance Assurance Program. (Use the above mailing or e-mail address.) In each document, clearly identify the Air Permit Project No. 0694866-001-AC and specific emission unit.

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; and
   d. Appendix D. Common Testing Requirements

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: The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports (AORs) shall be submitted electronically to the Department by April 1st of each year. Go to the following website for the latest information about electronic submittal of AORs:

   http://www.dep.state.fl.us/air/emission/eaor/default.htm

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

8. Application for Non-Title V Air Operation Permit: This permit authorizes construction or modification of the permitted emissions units and initial operation to determine compliance with Department rules. A Non-Title V air operation permit is required for continued operation of the permitted emissions unit. The permittee shall apply for a Non-Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation or commencing operation as modified. Commencing operation means setting into operation of any emissions unit for any purpose. To apply for a Non-Title V air 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.6.**; and

   d. copies of the two most recent months of records/logs specified in Specific Condition No. **A.18.** and **B.11.**

   e. A statement describing the status of the limestone rotary dryer with two cyclones and a wet scrubber (EU 006). The expectation is the statement will describe when EU 006 was removed from the facility.

   [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.]

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

This section of the permit addresses the following emission units.

EU 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.

EQUIPMENT

A.1. Removal of Limestone Rotary Dryer: The permittee is authorized to remove the limestone rotary dryer with two cyclones and a wet scrubber (EU 006). This emission unit is no longer authorized to operate. [Application No. 0830016-017-AC and 62-4.070(3), F.A.C.]

PERFORMANCE RESTRICTIONS

A.2. Permitted Capacity: The Limestone Fluidized Bed Dryer (EU 005) shall not exceed a process rate of 946,080 tons of material per any consecutive 12-month period.

A.3. Restricted Operation: The Limestone Fluidized Bed Dryer (EU 005) shall not operate more than 8,000 hours per any consecutive 12-month period.

A.4. Authorized Fuel: If burning only one type of fuel during a consecutive twelve month period, the consecutive twelve months period amount of fuel burned by the fluidized bed dryer (EU 005) shall not exceed

a) 2.8 million gallons of fuel oil with a sulfur percentage not greater than 1.95 percent (by weight of the fuel oil), or

b) 420 million standard cubic feet of natural gas.

[Rule 62-210.200(247), Potential to Emit, F.A.C.]

A.5. Restricted Operation: If burning more than one type of fuel during a consecutive twelve month period, the sum of the following two ratios shall not exceed one (1.0) during a consecutive twelve month period.

a) $\frac{\text{consecutive 12-month amount of fuel oil* burned by the fluidized bed dryer}}{\text{2.8 million gallons of fuel oil}}$

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

b) $\frac{\text{consecutive 12-month amount of natural gas burned by the fluidized bed dryer}}{\text{420 million standard cubic feet of natural gas}}$

[Rule 62-210.200(247), Potential to Emit, F.A.C.]

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

EMISSION STANDARDS

A.6. Visible Emission Limitation: The visible emissions from the Limestone Fluidized Bed Dryer (EU 005) are limited to less than 5 percent opacity. [Permit Application dated 03/14/2012 and Rule 62-296.711(2), F.A.C.]

A.7. Particulate Emission Limitation: The particulate emissions from the Limestone Fluidized Bed Dryer (including emissions from the baghouse and fuel usage) shall not exceed 30 tons per consecutive 12-month period.
{Permitter's Note: The particulate emissions are calculated as indicated in Condition A.13.a. The potential to emit for particulate emissions are tracked in the monthly recordkeeping.}
[Rule 62-210.200(247), Potential to Emit, F.A.C.]

A.8. Unconfined Emissions of Particulate Matter (PM) - In addition to the conditions in Appendix C., Condition 9, the following reasonable precautions shall be followed:

a. Paved parking and trafficked areas shall be maintained and kept free of particulate matter build-up.

b. Sprinkling with water shall be used as necessary on paved areas, unpaved areas, stockpiles, and during loading/unloading operations.

If operating experience indicates that these reasonable precautions are not sufficient to control unconfined PM emissions, the Department reserves the right to require additional measures.
[Rules 62-4.070(3), 62-210.300(3)(c)2.e., and 62-296.320(4)(c), F.A.C.]

TESTING REQUIREMENTS

A.9. Annual Compliance Tests: The emission unit (EU 005) shall be tested for visible emissions 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.]

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.]

A.11. Test Method: Required test shall be performed in accordance with the following reference methods.

Methods	Description of Method and Comments
EPA Method 9	Visual Determination of the Opacity of Emissions from Stationary Sources

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

[Rules 62-204.800 and 62-297.401, F.A.C.; and Appendix A of 40 CFR 60]

A.12. Operating Rate During Testing: Testing of emissions shall be conducted within 90 to 100 percent of the maximum operating rate. If it is impracticable to test at the maximum permitted operating rate, then the emission unit may be tested at a lesser rate. In this case, subsequent emission 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 purposes 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:

a) For PM (EU 005)

Using Fuel Oil or Natural Gas: The potential to emit for particulates (lb) shall be calculated by multiplying the air flow through the baghouse (DSCFM) by (0.020 grains/DSCF) by (60 min/hr) by (1 lb/7,000 grains) by the number of actual operational hours.

{Permitter's Notes: The design air flow though the baghouse for the fluid bed dryer is 41,000 DSCFM.

b) For SO2 (EU 005)

Using Fuel Oil: AP 42 factor (157 lbs/mgal) multiplied by the **sulfur percent of the fuel oil being combusted** multiplied by SO2 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.

c) For NOX (EU 005)

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/mmcf) multiplied by the natural gas usage multiplied by hours operated.

{Permitter's Notes: CO (carbon monoxide) and total VOC (Volatile Organic Compound) emissions are emitted also, but in amounts much less than PM (particulate matter), SO2 (sulfur dioxide), and NOX (nitrogen oxides) if fuel oil is combusted. CO and total VOC potential emissions are less than 20 percent of major threshold levels (100 tons/yr). Therefore, tracking PM, SO2, and NOX emissions gives reasonable assurance that the Title V emission thresholds have not been exceeded.}

[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]

A.15. 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.]

NOTIFICATION REQUIREMENTS

A.16. 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.17. Fuel Oil Sulfur Content Record: In order to document continuing compliance with the 1.95% sulfur content (by weight of the fuel oil) limitation in Specific Condition No. **A.4.a.**, the permittee shall keep records on either vendor provided as-shipped analysis or analysis of as-received samples taken at the plant. The analysis shall be determined in accordance with the methods listed in Specific Condition Number **A.15**. The only exception is for ultra low sulfur diesel. If the fuel oil being utilized is ultra low sulfur diesel, the permittee only needs to keep the following documentation for each shipment of ultra low sulfur diesel:

a. The name of the oil supplier; and

b. Documentation that the fuel is ultra low sulfur diesel (e.g., fuel delivery receipt).

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

A.18. Monthly Log: In order to demonstrate compliance with Specific Condition Nos. **A.2., A.3.,** and **A.4.,** 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 be made available to the Department upon request. The log shall contain the following:

a. Facility Name, Facility ID No. (i.e., 0830016);

b. Month and year of record;

c. Most recent monthly total of:
   i. the operational hours,
   ii. the process rates (tons),
   iii. the type and amount of fuels consumed, and
   iv. the potential to emit for particulate emissions, sulfur dioxide emissions, and nitrogen oxide emissions;

   and

d. Most recent consecutive 12-month total of:
   i. the operational hours,
   ii. the process rates (tons),
   iii. the type and amount of fuels consumed, and
   iv. the potential to emit for particulate emissions, sulfur dioxide emissions, and nitrogen oxide emissions (tons).

Monthly logs shall be completed by the end of the following month. Logs must document the method, calculations, and formulas used in determining the usage rate and the emission rate. [Rule 62-4.070(3), F.A.C.]

A.19. 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, that is, "The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed." [Rule 62-297.310(8), F.A.C]

A.20. Operation and Maintenance (O & M) Plan for Particulate Control: The facility shall 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.
c) Daily monitoring of the pressure drop across EU 005 – Limestone Fluidized Bed Dryer during the days when operating. The pressure drop shall be recorded on a daily basis when operating. The control unit's pressure shall be operated in the range of the manufacturer's recommendation.
d) Daily observation for stack visible emissions from the dryer during the day when operating. If visible emissions (5 percent opacity or more) are observed, the operator

shall evaluate the process equipment and the baghouse 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.

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.]

B. EU No. 001, 007, 008, and 012 (Part of the Material Handling System)

This section of the permit addresses the following emission units.

EU No.	Emission Unit Description
001	66" Raymond Mill
007	Fine Grind Loadout Area
008	73" Raymond Mill
012	Silo 5

PERFORMANCE RESTRICTIONS

B.1. Permitted Capacity: The emission units (EU No. 001, EU No. 007, EU No. 008, and EU No. 012) are not to exceed the following process rates per any consecutive 12-month period:

EU No.	Process Rate (tons per consecutive 12 months)
001	131,400
007	455,520
008	105,120
012	3,652,920

[Rules 62-4.070(3) and 62-210.200(247), Potential to Emit, F.A.C.]

B.2. Restricted Operation: The hours of operation are not limited (8,760 hours per year). [Rule 62-210.200(247), Potential to Emit, F.A.C.]

B.3. Circumvention: No person shall circumvent any pollution control device or allow the emissions of air pollutants without the applicable air pollution control device operating properly. [Rule 62-210.650, F.A.C.]

EMISSIONS STANDARDS

B.4. Material Handling System Emission Limitation: All of the material handling system emission units at the facility (EU 001, EU 002, EU 004, EU 007, EU 008, EU 009, EU 011, EU 012, and EU 013) have a total particulate matter emission limit of 55 tons per consecutive 12-month period. (This excludes the Limestone Fluidized Bed Dryer (EU 005), whose emission limit is 30 tons per consecutive 12-month, as specified in Specific Condition A.7.) The potential to emit for particulates (lbs) shall be calculated by multiplying the air flow through the baghouses (DSCFM) by (0.020 grains/DSCFM) by (60 min/hr) by (1 lb/7,000 grains) by the number of actual operational hours.
[Rule 62-210.200(247), Potential to Emit, F.A.C.]

B.5. Visible Emissions Limitation: Visible emissions from the 66" Raymond Mill (EU 001), Fine Grind Loadout Area (EU 007), the 73" Raymond Mill (EU 008), and Silo 5 (EU 012) are limited to less than 5 percent opacity. [Rule 62-296.711(2), F.A.C.]

TEST METHODS AND PROCEDURES

B.6. Compliance Test Requirements:

a. Initial Compliance Testing: Emission units EU No. 001, EU No. 007, EU No. 008, and EU No. 012 shall be tested within ninety (90) days of commencement of operations after modifications have been completed to demonstrate compliance with the emissions standard for visible emissions specified in Specific Condition No. **B.5**. The report documenting the test results shall be submitted to the Department within 45 days of the test date. [Rules 62-4.070(3), and 62-297.310(7)(a)1, F.A.C.]

b. Recurring Compliance Testing: Prior to permit renewal, Emissions Units EU No. 001, EU No. 002, EU No. 004, EU No. 007, EU No. 008, EU No. 009, EU No. 011, EU No. 012, and EU No. 013 shall be tested for visible emissions to demonstrate compliance with the emissions standard for visible emissions. [Rules 62-4.070(3), and 62-297.310(7)(a)3, F.A.C.]

B.7. 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.8. Test Method: Required tests shall be performed in accordance with the following reference method.

Methods	Description of Method and Comments
EPA Method 9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method is 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 62-297.401, F.A.C.; and Appendix A of 40 CFR 60]

NOTIFICATION REQUIREMENTS

B.9. Notification of Operation Commencement: The permittee shall notify the Compliance Authority in writing of the date of commencing operation (after modifications have been completed) of each EU No. 001, EU No. 007, EU No. 008, and EU No. 012, no later than five (5) days after that date. Commencing operation means setting into operation of any emissions unit for any purpose. [Rules 62-4.070 and 62-210.200(91), Commence Operation, F.A.C.]

B.10. Test Notification: The permittee shall notify the Compliance Authority at least 15 days prior to the date on which each formal compliance test (**B.6.**) is to begin. The notification shall include

the following information: date, time, and location of each such test; and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator; 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

B.11. Monthly Log: In order to demonstrate compliance with Specific Conditions **B.1. and B.4,** 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 be made available to the Department upon request. The log shall contain the following:

a) Facility Name, Facility ID No. (i.e., 0830016);

b) Month and year of record;

c) Most recent monthly total of:
   i. material processed (tons) and
   ii. potential to emit for particulate emissions (tons);

and

d) Most recent consecutive 12-month total of:
   i. material processed (tons) and
   ii. potential to emit (tons) for particulate emissions.

The potential to emit for particulates (lbs) shall be calculated by multiplying the air flow through the baghouses (DSCFM) by (0.020 grains/DSCF) by (60 min/hr) by (1 lb/7,000 grains) by the number of actual operational hours. The logs must document the method, calculations, and formulas used in determining the usage rate and the emission rate. Monthly logs shall be completed by the end of the following month.
[Rule 62-4.070(3), F.A.C.]

B.12. Record Retention: The records required in Specific Condition No. **B.11.** shall be recorded in a permanent form suitable for inspection and made available to the Department upon request. The records shall be maintained onsite for a minimum of five (5) years.
[Rule 62-4.070(3), F.A.C.]

B.13. 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, that is, "The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed."
[Rule 62-297.310(8), F.A.C.]

B.14. 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.
c) Daily monitoring of the pressure drop across each of the baghouses listed below during the days when operating. The pressure drop shall be recorded on a daily basis on the days when operating. The control unit's pressure shall be operated in the range of the manufacturer's recommendation.

EU No.	Dust Collector (Baghouse)
EU 001	DC-1 controlling the 66" mill
EU 007	DC-7 controlling the Fine Grind Loadout Area
EU 008	DC-8 controlling the 73" mill
EU 012	DC-12 controlling silo 5

d) Daily observation for stack visible emissions from each baghouse listed above (EU 001, 007, 008, and 012) during the day when operating. If visible emissions (5 percent opacity or more) are 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) Dust collectors having a capacity of 2,000 CFM (cubic feet per minute) or less do not need to be monitored on a daily basis.

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.]