FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

RICK SCOTT
GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

FINAL PERMIT

PERMITTEE

Florida Rock Industries, Inc.
P.O. Box 4667
Jacksonville, FL 32201

Authorized Representative:
Mr. Jake Sauer, Plant Manager

Air Permit No. 0530050-019-AO
Permit Expires: 01/31/2019
Brooksville Grinding Plant
Minor Air Operation Permit
Air Operation Permit Renewal

This is the final air operation permit to renew Air Operation Permit No. 0530050-018-AO for a limestone crushing, drying, and processing facility at the Brooksville Grinding Plant (Standard Industrial Classification No.1479). The facility is located in Hernando County at 14556 Ponce DeLeon Boulevard in Brooksville, Florida. The UTM coordinates are Zone 17, 361.45 km East, and 3169.83 km North.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements and Facility-wide Specific Conditions

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Due to 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 Hillsborough County, Florida

Kelley M. Boatwright 01/30/2014

Kelley M. Boatwright Effective Date
District Air Program Administrator
Southwest District

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 the date indicated below to the persons listed below.

Jake Sauer, Florida Rock Industries, Inc.
sauerja@vmcmail.com

Michael Sussman, Florida Rock Industries, Inc.
msussman@klenfelder.com

Erin DiBacco, Southwest District Compliance
erin.dibacco@dep.state.fl.us

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

Rhonda Hughes (Clerk) January 31, 2014 (Date)

FACILITY DESCRIPTION

Existing Facility

The existing facility is a synthetic non-Title V limestone crushing, drying, and processing facility for limestone that is mined above and into the water table. Operations at the facility include screening, crushing, stockpiling, drying, conveying, silo loading, truck loading, and bagging to produce crushed limestone meeting various specifications. The existing facility consists of the following emissions units.

Facility ID No. 0530050

EU ID No.	Emissions Unit Description
002	Grinding Mill
003	Three (3) Product Storage Silos
004	Crushing Operations
005	Classifier System
008	Long-Term Portable Crusher
010	Truck Loading
011	30-Ton Silo
012	50 lb. Bagging Machine
013	3-Ton Silo
014	1-Ton Bagging Fill Spout
015	Grinding Mill Building

NOTE: *Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.*

Exempt Emission Units/Activities

- A 187 HP Komatsu diesel fired engine associated with Emission Unit No. 008, which is not subject to 40 CFR 60, Subpart IIII or 40 CFR 63, Subpart ZZZZ. The engine was manufactured in 2006 and is considered a re-locatable, portable, or transportable at the facility.
  [Rule 62-210.300(3)(a)35., F.A.C.]
- A 200 HP Cummins diesel fired engine for the new Double Impact Crusher, Conveyor Belt "B", and Conveyor Belt "C" associated with Emission Unit No. 004. The engine was manufactured in 1977 and is not considered re-locatable, portable, or transportable at the facility. This engine is subject to 40 CFR 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, which has been adopted by reference in Rule 62-204.800(8), F.A.C.
  [Rule 62-210.300(3)(a)35., F.A.C.]
- When the 3-Ton Silo (E.U. No. 013) and 1-Ton Bagging Fill Spout (E.U. No. 014) are not being operated the 3-Ton Silo may serve as a dust hopper for the common bin vent filter (260) rated at 550 acfm that vents outside. The dust hopper (silo) is expected to be emptied approximately 3-4 times a year. The emptying of the dust hopper (silo) is accomplished by fastening a product bag to the discharge chute of the dust hopper to receive the dust hopper's contents. The common bin vent filter controls emissions from Emission Unit Nos. 012, 013, and 014.
  [Rule 62-210.300(3)(b)1., F.A.C.]

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 62-213, 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 non-Title V source for the pollutants sulfur dioxide (SO_2) and particulate matter with an aerodynamic diameter of 10 micrometers or less (PM_{10}). The emission limitations, restriction on the type or amount of material combusted, stored or processed in this permit will ensure that the facility's SO_2 and PM_{10} emissions will be below the threshold for a Title V source.

PERMIT HISTORY/AFFECTED PERMITS

This permit replaces Operation Permit No.0530050-018-AO.

ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority - The permitting authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Air Permitting Program. The mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Air Permitting Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-470-5700

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

2. Compliance Authority - The compliance authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Compliance Assurance Program. The mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Compliance Assurance Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-470-5700

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 OOO - Standards of Performance for Nonmetallic Mineral Processing Plants;

f. Appendix F. 40 CFR 60, Subpart A - General Provisions; and

g. Appendix G. Process Flow Diagram

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 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 this 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 Condition Nos. A.11, B.12., C.11., D.10., E.10., F.10., G.9., and H.9., if not previously submitted; and

d. copies of the most recent month of records/logs specified in Specific Condition Nos. A.12., B.13., C.12., D.11., E.11., F.11., G.10., and H.10., if not previously submitted with the test reports required by Specific Condition No. 11.c.

[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.]

FACILITY-WIDE SPECIFIC CONDITIONS

9. Restricted Operation - The hours of operation are not limited (8760 hours per year)
[Rule 62-210.200 (definition of Potential to Emit), F.A.C.; Construction Permit No. 0530050-016-AC]

A. EU No. 008: Long-Term Portable Crusher

This section of the permit addresses the following emissions unit (EU).

EU ID No.	Emissions Unit Description
008	Long-Term Portable Crusher - This long-term portable crushing system is also registered under a relocatable air permit with facility ID# 7775580. It has a rated crushing capacity of 265 tons/hr. and is allowed to process a maximum of 613,200 tons of material (wet limestone) per any consecutive 12-month period. An exempt diesel fired engine is used to power the crushing system.

PERFORMANCE RESTRICTIONS

A.1. Federal Regulatory Requirements - This emission unit is subject to 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants which is adopted by reference in Rule 62-204.800, F.A.C. See Appendix E and Appendix F attached to this permit.
[Rule 62-204.800(8), F.A.C.]

A.2. Permitted Capacity - The crushing system is allowed to crush a maximum of 613,200 tons of material (wet limestone) per any consecutive 12-month period.
[Construction Permit No. 0530050-016-AC]

EMISSIONS STANDARDS

A.3. Reasonable Precautions - No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions include:

a. Prevent emissions from the material handling by a loader shall be achieved by reducing the material freefall as the bucket dumps the material. Drop heights shall be minimized where applicable.

b. Drop heights shall be minimized from conveyors and hoppers.

c. Water shall be applied to the crusher and transfer points, if necessary.

[Rule 62-296.320(4)(c), F.A.C.; Construction Permit No. 0530050-016-AC]

A.4. Reasonable Assurance - In order to provide reasonable assurance that the precautions and practices required in Specific Condition No. A.3. are adequate, emissions of unconfined particulate matter should not exceed 10 percent opacity, unless a stricter limitation is applicable. Exceedance of this limit shall not be considered a violation in and of itself, but an indication that additional control precautions and/or practices may be necessary.
[Rule 62-4.070(3), F.A.C.; Construction Permit No. 0530050-016-AC]

A.5. Visible Emissions Limitations - Each emission point shown below shall comply with the following maximum visible emission limitations.

Emission Point No.	Brief Description	Max. VE Limit (% Opacity)[1]	Max. VE Limit (% Opacity)[2]	Max. VE Limit (% Opacity)[3]
1	Material from outdoor stockpiles transferred by front-end loader(s) to Grizzly Feeder (Hopper)	<20	<20	<20
2	Grizzly Feeder to Crusher	<20	15	12
3	Crusher	<20	15	12
4	Crusher to Discharge Conveyor Belt	<20	15	12
5	Discharge Conveyor Belt to Stockpile	<20	<20	<20
6	Grizzly Feeder to Muck Conveyor Belt	<20	10	7
7	Muck Conveyor Belt to Stockpile	<20	<20	<20

[1] For crushers and affected pieces of equipment that are only subject to Rule 62-296.320(4)(b), F.A.C. and not subject to 40 CFR 60, Subpart OOO. Crushers and other affected pieces of equipment (i.e., screen, conveyor belt, etc.) are not subject to 40 CFR 60, Subpart OOO, if that crusher or piece of equipment was constructed, modified, or reconstructed prior to or on August 31, 1983.

[2] For crushers and affected pieces of equipment that commenced construction, modification or reconstruction after 8/31/1983, but before 4/22/2008.

[3] For crushers and affected pieces of equipment that commenced construction, modification or reconstruction on or after 4/22/2008.

Emission Point Nos. with a maximum opacity limit of <20% do not require regular scheduled VE compliance testing, since the applicable visible emission limitation is a facility-wide limitation and there is no applicable allowable mass emission limitation. Emission Point Nos. 2 and 3 are at the same location and require only one VE test when both activities are occurring.

[Rule 62-296.320(4)(b), F.A.C. and 40 CFR 60.672(b) and (d); Construction Permit No. 0530050-016-AC]

COMPLIANCE TESTING REQUIREMENTS

A.6. Required Visible Emissions (VE) Compliance Testing - The permittee shall comply with the following:

a. Test each emission point subject to 40 CFR 60, Subpart OOO for visible emissions within 180 – 105 days before the expiration date of this permit. Also see Specific Condition No. A.5.

b. The daily average material crushing rate of the crusher is limited to 110% of the tested rate 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.

c. If an emission point was not operating during the most recent compliance test, the emission point shall be tested within 15 days after resuming operation.

Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. Also see Specific Condition No. A.12.d.

[Rule 62-297.310, F.A.C.; Construction Permit No. 0530050-016-AC]

A.7. Compliance Test Method - Required tests shall be performed in accordance with the following reference method.

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

The above method is described in Appendix A of 40 CFR 60 and is 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.; 40 CFR 60, Appendix A-4]

A.8. Visible Emission Testing Requirements - Visible emission testing shall also comply with the following:

a. The minimum distance between the observer and the emission source shall be 15 feet.

b. 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.

c. The duration of the Method 9 observations must be 30 minutes (five 6-minute averages). Compliance must be based on the average of the five 6-minute averages.

d. As an alternative to the Method 9 requirement to conduct visible emission observations of only one emission point at a time, a single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

1. No more than three emission points may be read concurrently.

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

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

[Rules 62-297.310(4) and 62-297.401, F.A.C.; 40 CFR 60.675 (c) and (e)(2)]

MONITORING REQUIREMENTS

A.9. Monitoring Requirements - If any affected piece(s) of equipment of the processing plant (i.e., crusher, screen or conveyor belt) was constructed, modified, or began reconstruction on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility, a monthly inspection must be performed to check that water is flowing to discharge spray nozzles of the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if water is not flowing properly during the inspection.
[40 CFR 60.674(b)]

A. EU No. 008: Long-Term Portable Crusher

NOTIFICATION REQUIREMENTS

A.10. Test Notification - The permittee shall notify the Compliance Authority in writing 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.

(*Permitting Note: This notification requirement should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.)*

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDKEEPING AND REPORTING REQUIREMENTS

A.11. Visible Emission Test Report Requirements - The permittee shall prepare and submit to the Compliance Authority reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. The test reports shall include the following:

a. company name;

b. facility ID No. and Emission Unit No. (e.g., 0530050 and E.U. No. 008);

c. date each affected piece of equipment of the crushing system (processing plant) commenced construction, modification or reconstruction;

d. actual material crushing rate during the test period (tons/hour); and

e. a copy of the logs as required by Specific Condition No. A.12. for the month the test was conducted.

[Rule 62-297.310(8), F.A.C.; Construction Permit No. 0530050-016-AC]

A.12. Operation Records - In order to document compliance with Specific Condition No. A.2., the permittee shall record the following:

Daily:

a. facility name, facility ID No., emission unit ID No., and date (month/day/year)

b. hours of crushing material;

c. amount of material crushed in tons;

d. daily average crushing rate based on b. and c. above in tons/hr.;

Monthly:

e. facility name, facility ID No., and emission unit ID No. and date (month/day/year);

f. total material crushed in tons;

g. most recent consecutive 12-month period total amount of material crushed in tons; and

h. most recent consecutive 12-month period total hours of operation.

Daily records shall be completed within seven (7) calendar days and monthly records shall be completed by the end of the following month.

[Construction Permit No. 0530050-016-AC]

A.13. Monitoring Records - If any affected piece(s) of equipment of the processing plant was constructed, modified, or began reconstruction on or after April 22, 2008, the owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken. Also see Specific Condition No. A.9.
[40 CFR 60.674(b)]

B. EU No. 004: Crushing Operations

This section of the permit addresses the following emissions unit (EU).

EU ID No.	Emissions Unit Description
004	Crushing Operations - This emission unit transfers material (wet limestone) from stockpile(s) by front-end loaders to hoppers, crushing systems, and conveyor belts by utilizing three (3) separate operating scenarios to a covered raw material storage area. The three (3) operating scenarios do not operate simultaneously and are described in Specific Condition No. B.6. below. The crushing systems used with three (3) operating scenarios are expected to have a maximum rated crushing capacity of 375 tons/hr. and are allowed to process a maximum combined total of 613,200 tons of material (wet limestone) per any consecutive 12-month period. An exempt diesel fired engine is used to power the crushing system associated with Operating Scenario No. 2 (see below).

PERFORMANCE RESTRICTIONS

B.1. Federal Regulatory Requirements - This emission unit is subject to 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants which is adopted by reference in Rule 62-204.800, F.A.C. See Appendix E and Appendix F attached to this permit.
[Rule 62-204.800(8), F.A.C.]

B.2. Permitted Capacity -The three (3) operating scenarios are allowed to crush a maximum combined total of 613,200 tons of material (wet limestone) per any consecutive 12-month period.
[Construction Permit No. 0530050-016-AC]

B.3. Operating Limitation - Only one of three (3) operating scenarios may operate at any one time. The operating scenarios are further described below.
[Construction Permit No. 0530050-016-AC]

EMISSIONS STANDARDS

B.4. Reasonable Precautions - No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions include:

a. Prevent emissions from the material handling by a loader shall be achieved by reducing the material freefall as the bucket dumps the material. Drop heights shall be minimized where applicable.

b. Drop heights shall be minimized from conveyors and hoppers.

c. Water shall be applied to the crusher and transfer points, if necessary.

[Rule 62-296.320(4)(c), F.A.C.; Construction Permit No. 0530050-016-AC]

B.5. Reasonable Assurance - In order to provide reasonable assurance that the precautions and practices required in Specific Condition No. B.4. are adequate, emissions of unconfined particulate matter should

not exceed 10 percent opacity, unless a stricter limitation is applicable. Exceedance of this limit shall not be considered a violation in and of itself, but an indication that additional control precautions and/or practices may be necessary.
[Construction Permit No. 0530050-016-AC]

B.6. Visible Emissions Limitations - Each emission point shown below shall comply with the following maximum visible emission limitations.

Equipment number shown in ( ) after a piece of equipment is the Equipment ID No. assigned by the facility.

Operating Scenario No. 1 (existing, electric wo/diesel fired generator):

Emission Point No.	Brief Description	Max. VE Limit (% Opacity)[1]	Max. VE Limit (% Opacity)[2]	Max. VE Limit (% Opacity)[3]
5	Material from outdoor stockpiles transferred by front-end loader(s) to Hopper (101)/Crusher (103)	<20	15	12
6	Hopper (101)/Crusher (103)	<20	15	12
7	Hopper (101)/Crusher (103) to Conveyor Belt (104)	<20	15	12
8	Conveyor Belt (104) to Covered Material Storage Area	<20	<20	<20

Operating Scenario No. 2 (w/exempt diesel fired engine or electric wo/exempt diesel fired engine):

Emission Point No.	Brief Description	Max. VE Limit (% Opacity)[1]	Max. VE Limit (% Opacity)[2]	Max. VE Limit (% Opacity)[3]
9	Material from outdoor stockpiles transferred by front-end loader(s) to Pan Feeder "A"	<20	<20	<20
10	Pan Feeder "A" to Double Impact Crusher	<20	15	12
11	Double Impact Crusher	<20	15	12
12	Double Impact Crusher to Conveyor Belt "B"	<20	15	12
13	Conveyor Belt "B" to Conveyor Belt "C"	<20	10	7
14	Conveyor Belt "C" to Hopper (101)/Crusher (103) with its internal crushing rollers removed	<20	10	7
15	Hopper (101)/Crusher (103) with its internal crushing rollers removed to Conveyor Belt (104)	<20	10	7
16	Conveyor Belt (104) to Covered Material Storage Area	<20	<20	<20

B. EU No. 004: Crushing Operations

Operating Scenario No. 3 (electric wo/exempt diesel fired engine):

Emission Point No.	Brief Description	Max. VE Limit (% Opacity)[1]	Max. VE Limit (% Opacity)[2]	Max. VE Limit (% Opacity)[3]
17	Material from outdoor stockpiles transferred by front-end loader(s) to Pan Feeder "A"	<20	<20	<20
18	Pan Feeder "A" to Double Impact Crusher	<20	15	12
19	Double Impact Crusher	<20	15	12
20	Double Impact Crusher to Conveyor Belt "B"	<20	15	12
21	Conveyor Belt "B" to Conveyor Belt "C"	<20	10	7
22	Conveyor Belt "C" to New Hopper	<20	10	7
23	New Hopper to Conveyor Belt (104)	<20	10	7
24	Conveyor Belt (104) to Covered Material Storage Area	<20	<20	<20

[1] For crushers and affected pieces of equipment that are only subject to Rule 62-296.320(4)(b), F.A.C. and not subject to 40 CFR 60, Subpart OOO. Crushers and other affected pieces of equipment (i.e., screen, conveyor belt, etc.) are not subject to 40 CFR 60, Subpart OOO, if that crusher or piece of equipment was constructed, modified, or reconstructed prior to or on August 31, 1983.

[2] For crushers and affected pieces of equipment that commenced construction, modification or reconstruction after 8/31/1983, but before 4/22/2008.

[3] For crushers and affected pieces of equipment that commenced construction, modification or reconstruction on or after 4/22/2008.

Emission Point Nos. with a maximum opacity limit of <20% do not require regular scheduled VE compliance testing, since the applicable visible emission limitation is a facility-wide limitation and there is no applicable allowable mass emission limitation. Emission Point Nos. "5 and 6", "10 and 11", and "18 and 19" are at the same location and require only one VE test when both activities are occurring.

[Rule 62-296.320(4)(b), F.A.C. and 40 CFR 60.672(b) and (d); Construction Permit No. 0530050-016-AC]

COMPLIANCE TESTING REQUIREMENTS

B.7. Required Visible Emissions (VE) Compliance Testing - The permittee shall comply with the following:

a. Test each* emission point subject to 40 CFR 60, Subpart OOO for visible emissions within 180 – 105 days before the expiration date of this permit. Also see Specific Condition No. B.6.

* An emission point does not need to be tested if the activity for that emission point was tested in a different operating scenario and tested at no less than 90% of the material crushing rate at which that emission point is operating.

b. The daily average material crushing rate of the crusher is limited to 110% of the tested rate 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.

c. If an emission point was not operating during the most recent compliance test, the emission point shall be tested within 15 days after resuming operation. Also, see Specific Condition No. B.7.a.

Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. Also see Specific Condition No. B.13.e.

[Rule 62-297.310, F.A.C.; Construction Permit No. 0530050-016-AC]

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

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

The above method is described in Appendix A of 40 CFR 60 and is 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.; 40 CFR 60, Appendix A-4]

B.9. Visible Emission Testing Requirements - Visible emission testing shall also comply with the following:

a. The minimum distance between the observer and the emission source shall be 15 feet.

b. 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.

c. The duration of the Method 9 observations must be 30 minutes (five 6-minute averages). Compliance must be based on the average of the five 6-minute averages.

d. As an alternative to the Method 9 requirement to conduct visible emission observations of only one emission point at a time, a single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

1. No more than three emission points may be read concurrently.

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

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

[Rules 62-297.310(4) and 62-297.401, F.A.C.; 40 CFR 60.675 (c) and (e)(2)]

MONITORING REQUIREMENTS

B.10. Monitoring Requirements - If any affected piece(s) of equipment of the processing plant (i.e., crusher, screen or conveyor belt) was constructed, modified, or began reconstruction on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility, a monthly inspection must be

performed to check that water is flowing to discharge spray nozzles of the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if water is not flowing properly during the inspection.
[40 CFR 60.674(b)]

NOTIFICATION REQUIREMENTS

B.11. Test Notification - The permittee shall notify the Compliance Authority in writing 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.

(*Permitting Note: This notification requirement should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.)*

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDKEEPING AND REPORTING REQUIREMENTS

B.12. Visible Emission Test Report Requirements - The permittee shall prepare and submit to the Compliance Authority reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. The test reports shall include the following:

a. company name;

b. facility ID No. and Emission Unit No. (e.g., 0530050 and E.U. No. 004) along with identifying which Operating Scenario No. was operating during the test;

c. date each affected piece of equipment of the crushing system (processing plant) commenced construction, modification or reconstruction;

d. actual material crushing rate during the test period (tons/hour); and

e. a copy of the logs as required by Specific Condition No. B.13. for the month the test was conducted.

[Rule 62-297.310(8), F.A.C.; Construction Permit No. 0530050-016-AC]

B.13. Operation Records - In order to document compliance with Specific Condition Nos. B.2. and B.7., the permittee shall record the following:

Daily for each Operating Scenario:

a. facility name, facility ID No., emission unit ID No., and date (month/day/year);

b. The Operating Scenario No.;

c. hours of crushing material;

d. amount of material crushed in tons;

e. daily average crushing rate based on b. and c. above in tons/hr.;

Monthly:

f. facility name, facility ID No., and emission unit ID No. and date (month/day/year);

g. total material crushed in tons;

h. most recent consecutive 12-month period total amount of material crushed in tons; and

i. most recent consecutive 12-month period total hours of operation.

Daily records shall be completed within seven (7) calendar days and monthly records shall be completed by the end of the following month.

[Construction Permit No. 0530050-016-AC]

B.14. Monitoring Records - If any affected piece(s) of equipment of the processing plant was constructed, modified, or began reconstruction on or after April 22, 2008, the owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken. Also see Specific Condition No. B.10.
[40 CFR 60.674(b)]

C. EU No. 002 – Grinding Mill

This section of the permit addresses the following emissions unit.

Equipment number shown in ( ) after a piece of equipment is the Equipment ID No. assigned by the facility. See Appendix G. - Process Flow Diagram for equipment location.

ID No.	Emission Unit Description
002	Grinding Mill - The grinding mill is located inside the grinding mill building (Emission Unit No. 015). Crushed wet limestone from the covered raw material stockpile associated with Emission Unit No. 004 or other stockpiles is transferred by front-end loader into a feed hopper (105) at a maximum rate of 85 tons of wet limestone/hr. based on a daily average. The feed hopper transfers the wet limestone to a feeder belt (106), which then transfers the wet limestone to a secondary conveyor belt (107). The second feeder belt passes through the wall of the Grinding Mill Building and transfers the wet limestone into the grinding mill's rotary vane feeder (110), which then deposits the wet limestone into the grinding mill (111). The limestone in the grinding mill is dried and grinded. Hot air for the grinding mill is provided by an air heater (115). The air heater is fired at a maximum design rate of approximately 30 MMBTU/hr. with natural gas or new No. 2 fuel oil with a maximum sulfur content of 0.5% by weight. The dried limestone from the grinding mill is then sent to the main air cyclone/separator (112) to be separated. The dried limestone from the main air cyclone/separator is deposited onto a main screw conveyor (120). Air from the main air cyclone/separator is vented to the Mill Baghouse. Recovered dried limestone particulate matter from the air sent to the Mill Baghouse is sent through a series of small screw conveyors (116 and 119) to the main screw conveyor (120) and the filtered air is vented outside the Grinding Mill Building. The dried limestone on the main screw conveyor (120) is then distributed to Emission Unit No. 005 – Classifier System (202.1) and/or into a bucket elevator (121) associated with Emission Unit No. 003 – Three (3) Product Silos. The main screw conveyor (120) also accepts the reject dried limestone from the Classifier System (202.1) and sends the reject dried limestone to bucket elevator (121). Emissions from the air heater, grinding mill, main air cyclone/separator, and screw conveyor (116) are controlled by the Mill Baghouse dust collector, which has a total cloth filtration area of approximately 11,600 square feet and rated at approximately 46,000 acfm. {See Emission Unit No. 015 – Grinding Mill Building: Fugitive emissions inside the Grinding Mill Building from the grinding mill occur from the secondary conveyor belt (107) transferring wet limestone to the grinding mill's rotary vane feeder (110) and from the grinding mill's reject material pile located below the grinding mill. The fugitive emissions from the grinding mill's reject material pile are expected to be insignificant and not quantifiable.}

PERFORMANCE RESTRICTIONS

C.1. Federal Regulatory Requirements - This emission unit is subject to 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants which is adopted by reference in Rule 62-204.800, F.A.C. See Appendix E and Appendix F attached to this permit.
[Rule 62-204.800(8), F.A.C.]

C.2. Permitted Capacity - The maximum input rate of wet limestone is 85 tons/hr., based on a daily average, and 613,200 tons per any consecutive 12-month period.
[Construction Permit No. 0530050-016-AC]

C. EU No. 002 – Grinding Mill

C.3. Fuel Limitations - The air heater for the grinding mill is allowed:

a. to be fired with natural gas or new No. 2 fuel with a maximum sulfur content of 0.5% sulfur by weight

b. a maximum of 208,600,000 cubic feet of natural gas per any consecutive 12-month period

c. a maximum of 1,553,200 gallons of new No. 2 fuel oil per any consecutive 12-month period

(*Permitting Note: Since only one type of fuel may be used at any one time, the maximum fuel usage values shown in Specific Condition Nos. C.3.b. and C.3.c. can only occur if only that fuel was used.)*

[Construction Permit No. 0530050-016-AC]

EMISSIONS STANDARDS

C.4. Mill's Baghouse's Particulate Matter & Visible Emission Limitations - Particulate matter and visible emissions from the Mill's Baghouse shall not exceed the following:

a. If any of the pieces of equipment controlled by the Mill's Baghouse were constructed, re-constructed, or modified before April 22, 2008:

1. 0.022 gr/dscf*

{Based on an airflow of 30,000 dscfm, this is equivalent to potential emissions of 5.7 lbs./hr. and 24.8 tons/yr.}

2. 7% opacity*

b. If any of the pieces of equipment controlled by the Mill's Baghouse were constructed, re-constructed, or modified on or after April 22, 2008:

1. 0.014 gr/dscf*

{Based on an airflow of 30,000 dscfm, this is equivalent to potential emissions of 3.6 lbs./hr. and 15.8 tons/yr.}

2. <20% opacity

* These limitations are considered more stringent than the requirements of Rule 62-296.320(4)(a) and (b), F.A.C.

[Rule 62-296.320, F.A.C. and 40 CFR 60.672 (a), (b), and (d); Construction Permit No. 0530050-016-AC]

C.5. Visible Emissions Limitations - Each emission point shown below shall comply with the following maximum visible emission limitations.

Emission Point No.	Brief Description	Max. VE Limit (% Opacity)[1]	Max. VE Limit (% Opacity)[2]	Max. VE Limit (% Opacity)[3]
1	Material from outdoor stockpiles transferred by front-end loader(s) to Feed Hopper (105)	<20	<20	<20
2	Feed Hopper (105) to Feeder Belt (106)	<20	10	7
3	Feeder Belt (106) to Secondary Conveyor Belt (107)	<20	10	7

[1] For crushers and affected pieces of equipment that are only subject to Rule 62-296.320(4)(b), F.A.C. and not subject to 40 CFR 60, Subpart OOO. Crushers and other affected pieces of equipment (i.e., screen, conveyor belt, etc.) are not subject to 40 CFR 60, Subpart OOO, if that crusher or piece of equipment was constructed, modified, or reconstructed prior to or on August 31, 1983.

[2] For crushers and affected pieces of equipment that commenced construction, modification or reconstruction after 8/31/1983, but before 4/22/2008.

[3] For crushers and affected pieces of equipment that commenced construction, modification or reconstruction on or after 4/22/2008.

Emission Point Nos. with a maximum opacity limit of <20% do not require regular scheduled VE compliance testing, since the applicable visible emission limitation is a facility-wide limitation and there is no applicable allowable mass emission limitation.

[Rule 62-296.320(4)(b), F.A.C. and 40 CFR 60.672(b) and (c); Construction Permit No. 0530050-016-AC]

COMPLIANCE TESTING REQUIREMENTS

C.6. Particulate Matter and Visible Emissions (VE) Compliance Testing - The permittee shall comply with the following:

a. To demonstrate compliance with Specific Condition No. C.4., the emissions from the Mill's Baghouse shall be tested for particulate matter and visible emissions annually during each federal fiscal year (October 1 – September 30).

   1. If the most recent test was conducted when the air heater was fired with natural gas, then a new test shall be conducted within 30 days of the air heater exceeding the 400th hour when being fired with new No. 2 fuel oil.

b. Test each emission point subject to 40 CFR 60, Subpart OOO for visible emissions 180 – 105 days before the expiration date of this permit. Also see Specific Condition No. C.5.

c. The daily average input rate of wet limestone is limited to 110% of the tested rate 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.

d. If an emission point was not operating during the most recent compliance test, the emission point shall be tested within 15 days after resuming operation.

Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. Also see Specific Condition Nos. C.12.d. and f.

[Rule 62-297.310, F.A.C.; Construction Permit No. 0530050-016-AC]

C.7. Test Methods - Required tests shall be performed in accordance with the following reference methods.

Methods	Description of Method and Comments
5	Determination of Particulate Matter Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods 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 62-297.401, F.A.C.; 40 CFR 60, Appendix A-4]

C.8. Visible Emission Testing Requirements - Visible emission testing shall also comply with the following:

a. The minimum distance between the observer and the emission source shall be 15 feet.

b. 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.

c. The duration of the Method 9 observations must be 30 minutes (five 6-minute averages). Compliance must be based on the average of the five 6-minute averages.

d. As an alternative to the Method 9 requirement to conduct visible emission observations of only one emission point at a time, a single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

1. No more than three emission points may be read concurrently.

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

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

[Rules 62-297.310(4) and 62-297.401, F.A.C.; 40 CFR 60.675 (c) and (e)(2)]

MONITORING REQUIREMENTS

C.9. Monitoring Requirements - The permittee shall comply with the following:

a. If any affected piece(s) of equipment of the processing plant (i.e., conveyor belt) was constructed, modified, or began reconstruction on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility, a monthly inspection must be performed to check that water is flowing to discharge spray nozzles of the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if water is not flowing properly during the inspection.

b. Per Appendix E, the permittee shall also comply with the monitoring requirements in 40 CFR 60.674(c) and (d).

[40 CFR 60.674(b), (c) and (d)]

NOTIFICATION REQUIREMENTS

C.10. Test Notification - The permittee shall notify the Compliance Authority in writing 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.

(*Permitting Note: This notification requirement should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.)*

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDKEEPING AND REPORTING REQUIREMENTS

C.11. Emission Test Report Requirements - The permittee shall prepare and submit to the Compliance Authority reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. The test reports shall include the following:

a. company name;

b. facility ID No. and Emission Unit No. (e.g., 0530050 and E.U. No. 002);

c. date each affected piece of equipment of the crushing system (processing plant) commenced construction, modification or reconstruction;

d. type of fuel used to fire the air heater (natural gas or new No. 2 fuel oil);

e. actual input rate of wet limestone during the test period (tons/hour);

f. a copy of the logs as required by Specific Condition No. C.12. for the month the test was conducted; and

g. a copy of the most recent fuel oil analysis of the sulfur content of the fuel oil used to fire the air heater as required by Specific Condition No. C.13., if applicable.

[Rule 62-297.310(8), F.A.C.; Construction Permit No. 0530050-016-AC]

C.12. Operation Records - In order to document compliance with Specific Condition Nos. C.2. and C.3., the permittee shall record the following:

Daily:

a. facility name, facility ID No., emission unit ID No., and date (month/day/year)

b. hours of inputting wet limestone;

c. amount of wet limestone inputted in tons;

d. daily average input rate of wet limestone based on b. and c. above in tons/hr.;

e. type of fuel used to fire the air heater (natural gas or new No. 2 fuel oil);

f. if the most recent compliance emission test of the Mill's baghouse was conducted when the air heater was fired on natural gas, record the hours the air heater is fired with new No. 2 fuel oil along with cumulatively recording the hours until the 400th hour triggering a new compliance emission test is recorded;

Monthly:

g. facility name, facility ID No., and emission unit ID No. and date (month/day/year);

h. total amount of wet limestone inputted in tons;

i. most recent consecutive 12-month period total amount of wet limestone inputted in tons;

j. total hours of inputting wet limestone;

k. most recent consecutive 12-month period total hours of operation;

l. most recent consecutive 12-month period total usage of natural in cubic feet; and

m. most recent consecutive 12-month period total usage of new No. 2 fuel oil in gallons.

Daily records shall be completed within seven (7) calendar days and monthly records shall be completed by the end of the following month.

[Construction Permit No. 0530050-016-AC]

C.13. Additional Fuel Oil Usage Recordkeeping - In order to document continuing compliance with the sulfur content limitations, in % by weight, of the fuel oil used in the air heater, the permittee shall keep records on either vendor provided as-shipped analysis or on analysis of as-received samples taken at the plant. [Construction Permit No. 0530050-016-AC]

C.14. Monitoring Records - The permittee shall comply with the following:

a. If any affected piece(s) of equipment of the processing plant was constructed, modified, or began reconstruction on or after April 22, 2008, the owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken. Also see Specific Condition No. C.9.
[40 CFR 60.674(b)]

b. Per Appendix E, the permittee shall also comply with the reporting and recordkeeping requirements of 40 CFR 60.676(b).

D. EU No. 003 – Three (3) Product Storage Silos & EU No. 010 – Truck Loading

This section of the permit addresses the following emissions units.

Equipment number shown in ( ) after a piece of equipment is the Equipment ID No. assigned by the facility. See Appendix G. - Process Flow Diagram for equipment location.

ID No.	Emission Unit Description
003	Three (3) Product Storage Silos - Three (3) product storage silos receive dried material limestone from the screw conveyor (120) associated with Emission Unit No. 002 – Grinding Mill, which may also include reject dried limestone from Emission Unit No. 005 – Classifier System. The maximum total receiving (filling) rate of dried limestone to the three (3) product storage silos is considered as the same as the input rate of 85 tons/hr. of wet limestone based on a daily average to the Grinding Mill. Each product storage silo has a design capacity of 3,000 tons of dried limestone. Dried limestone from screw conveyor (120) is transferred to a bucket elevator (121). The bucket elevator (121) transfers the dried limestone to any combination of three (3) air slides (123, 124, and/or 125). The air slides (123, 124, and 125) transfer the dried limestone to Product Storage Silo No. 1 – north (127), No. 2 - middle (128), and No. 3 – south (129), respectively. Emissions from conveyor belt (119), screw conveyor (120), bucket elevator (121), the three (3) air slides, and the three (3) product storage silos are controlled by a common Nuisance Dust Collector rated at 3,000 acfm. Note, the common dust collector also controls emissions associated with Emission Unit No. 010 – Truck Loading.
010	Truck Loading -Trucks are loaded with dried limestone product from the three (3) product storage silos. Product in Product Storage Silo No. 1 is transferred by an air slide (137) to a common collecting hopper (140). Product in Product Storage Silo No. 2 is transferred directly to the common collecting hopper (140). Product in Product Storage Silo No. 3 is transferred by an air slide (138) to the common collecting hopper (140). The common collecting hopper (140), which does not store or hold product, may receive product from any combination of the three (3) product storage silos. Product from the common collecting hopper (140) is transferred to a truck loading spout (141) that has a valve actuator. The maximum truck loading rate occurs when the valve actuator that limits the amount of material to a truck is fully open. Emissions from the two (2) air slides, common collecting hopper, and truck loading spout are controlled by the common Nuisance Dust Collector addressed in Emission Unit No. 003 – Three (3) Product Storage Silos.

PERFORMANCE RESTRICTIONS

D.1. Federal Regulatory Requirements - These emission units are subject to 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants which is adopted by reference in Rule 62-204.800, F.A.C. See Appendix E and Appendix F attached to this permit.
[Rule 62-204.800(8), F.A.C.]

D.2. Permitted Capacity - The maximum total receiving (filling) rate of dried limestone to the three (3) air slides/three (3) product storage silos is considered and determined the same as the input rate of 85 tons/hr. of wet limestone based on a daily average to Emission Unit No. 002 - Grinding Mill.
[Construction Permit No. 0530050-016-AC]

D.3. Permitted Capacity - The maximum truck loading rate occurs when the valve actuator that limits the amount of material to a truck is fully open.
[Construction Permit No. 0530050-016-AC]

EMISSIONS STANDARDS

D.4. Common Nuisance Baghouse's Particulate Matter (PM) & Visible Emission (VE) Limitations - Particulate matter and visible emissions from the common Nuisance Baghouse shall not exceed the following:

a. If any of the pieces of equipment controlled by the common Nuisance Baghouse were constructed, re-constructed, or modified after August 31, 1983 but before April 22, 2008:

1. 0.022 gr/dscf

{Based on an airflow of 3,000 dscfm, this is equivalent to potential emissions of 0.6 lbs./hr. and 2.5 tons/yr.}

2. 7% opacity

b. If any of the pieces of equipment controlled by the common Nuisance Baghouse were constructed, re-constructed, or modified on or after April 22, 2008:

1. 0.014 gr/dscf

{Based on an airflow of 3,000 dscfm, this is equivalent to potential emissions of 0.4 lbs./hr. and 1.6 tons/yr.}

2. <20% opacity

[Rule 62-296.320, F.A.C. and 40 CFR 60.672 (a) and (b); Construction Permit No. 0530050-016-AC]

COMPLIANCE TESTING REQUIREMENTS

D.5. Particulate Matter and Visible Emissions (VE) Compliance Testing - The permittee shall comply with the following:

a. To demonstrate compliance with Specific Condition No. D.4., the emissions from the Nuisance Baghouse shall be tested for particulate matter 180 – 105 days before the expiration date of this permit and for visible emissions annually during each federal fiscal year (October 1 – September).

b. The tests shall be conducted when the Grinding Mill is operating, the product storage silos are being filled, the valve actuator for loading trucks is fully open, and at least 2 trucks are loaded during each of the three (3) PM test runs.

c. The daily average input rate of wet limestone to the Grinding Mill is limited to 110% of the tested rate 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.

Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. Also see Specific Condition No. C.12.d.

[Rule 62-297.310, F.A.C.; Construction Permit No. 0530050-016-AC]

D.6. Test Methods - Required tests shall be performed in accordance with the following reference methods.

Methods	Description of Method and Comments
5	Determination of Particulate Matter Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods 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 62-297.401, F.A.C.; 40 CFR 60, Appendix A-4]

D.7. Visible Emission Testing Requirements - Visible emission testing shall also comply with the following:

a. The duration of the Method 9 observations must be 30 minutes (five 6-minute averages). Compliance must be based on the average of the five 6-minute averages.

b. As an alternative to the Method 9 requirement to conduct visible emission observations of only one emission point at a time, a single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

1. No more than three emission points may be read concurrently.

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

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

[Rules 62-297.310(4) and 62-297.401, F.A.C.; 40 CFR 60.675(e)(2)]

MONITORING REQUIREMENTS

D.8. Monitoring Requirements - The permittee shall comply with the following:

a. If any affected piece(s) of equipment of the processing plant (i.e., conveyor belt) was constructed, modified, or began reconstruction on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility, a monthly inspection must be performed to check that water is flowing to discharge spray nozzles of the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if water is not flowing properly during the inspection.

b. Per Appendix E, the permittee shall also comply with the monitoring requirements in 40 CFR 60.674(c) and (d).

[40 CFR 60.674(b), (c) and (d)]

NOTIFICATION REQUIREMENTS

D.9. Test Notification - The permittee shall notify the Compliance Authority in writing 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.

(*Permitting Note: This notification requirement should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.)*

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDKEEPING AND REPORTING REQUIREMENTS

D.10. Emission Test Report Requirements - The permittee shall prepare and submit to the Compliance Authority reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. The test reports shall include the following:

a. company name;

b. facility ID No. and Emission Unit No(s). (e.g., 0530050 and E.U. Nos. 003 & 010);

c. date each affected piece of equipment of these emission units commenced construction, modification or reconstruction;

d. actual input rate of wet limestone to the Grinding Mill during the test period (tons/hour);

e. a written statement indicating the valve actuator for loading trucks was fully open during the test period;

f. the number of trucks filled for each PM test run; and

g. a copy of the logs as required by Specific Condition Nos. C.12. and D.11. for the month the test was conducted.

[Rule 62-297.310(8), F.A.C.; Construction Permit No. 0530050-016-AC]

D.11. Operation Records - In order to document compliance with Specific Condition Nos. D.2., D.3., and D.5., the permittee shall comply with the recordkeeping requirements of Specific Condition No. C.12. regarding Emission Unit No. 003 - Three (3) Product Storage Silos and record the following regarding Emission Unit No. 010 – Truck Loading:

a. facility name, facility ID No., and emission unit ID No. and date (month/day/year);

b. daily record the total amount of dried limestone loaded in truck in tons;

c. monthly record the total amount of dried limestone loaded in trucks in tons;

d. monthly record the most recent consecutive 12-month total amount of dried limestone loaded in trucks in tons;

e. daily record the total hours of loading trucks;

f. monthly record the total hours of loading trucks; and

g. monthly record the most recent consecutive 12-month period total hours of loading trucks.

Daily records shall be completed within seven (7) calendar days and monthly records shall be completed by the end of the following month.

[Construction Permit No. 0530050-016-AC]

D.12. Monitoring Records - The permittee shall comply with the following:

a. If any affected piece(s) of equipment of the processing plant was constructed, modified, or began reconstruction on or after April 22, 2008, the owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken. Also see Specific Condition No. D.8.
[40 CFR 60.674(b)]

b. Per Appendix E, the permittee shall also comply with the reporting and recordkeeping requirements of 40 CFR 60.676(b).

E. EU No. 005 – Classifier System

This section of the permit addresses the following emissions unit.

Equipment number shown in ( ) after a piece of equipment is the Equipment ID No. assigned by the facility. See Appendix G. - Process Flow Diagram for equipment location.

ID No.	Emission Unit Description
005	Classifier System - The Classifier System screens dried limestone on screw conveyor (120) associated with Emission Unit No. 002 – Grinding Mill into various size products typically from 1 to 4 microns in size. A chute/hopper attached to the bottom of the screw conveyor (120) diverts a maximum rate of 5 tons/hr. of dried limestone to a proportioning rotary feeder (200). The 5 tons/hr. transfer rate is considered a constant rate based on the speed of the rotary feeder, which is always operating at its maximum speed. The rotary feeder (200) then transfers the dried limestone to a Classifier (202.1). Oversize material from the Classifier (202.1) is transferred to a reject screw conveyor (204) and placed back on screw conveyor (120). The acceptable dried limestone and air are then transferred to the Classifier's Baghouse (205). The baghouse is a conventional pulse jet filter with enhanced filter media to allow air/material separation of the fine material (dried limestone) and is rated at 12,000 acfm. The dried limestone from the dust collector is then transferred to a screw conveyor (206), then to a pneumatic conveying blower (209), which then transfers the dried limestone to Emission Unit No. 011 – 30–Ton Silo.

PERFORMANCE RESTRICTIONS

E.1. Federal Regulatory Requirements - This emission unit is subject to 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants which is adopted by reference in Rule 62-204.800, F.A.C. See Appendix E and Appendix F attached to this permit.
[Rule 62-204.800(8), F.A.C.]

E.2. Permitted Capacity - The maximum transfer rate of dried limestone to the Classifier (202.1) is 5 tons/hr. Due to the nature of the process, this rate is considered constant based on the speed of the rotary feeder, which is always operating at its maximum speed.
[Construction Permit No. 0530050-016-AC]

EMISSIONS STANDARDS

E.3. Particulate Matter & Visible Emission (VE) Limitations - Emissions from the Classifier's Dust Collector shall not exceed the following:

a. If any of the pieces of equipment controlled by the Classifier's Dust Collector were constructed, re-constructed, or modified after August 31, 1983 but before April 22, 2008:

1. 0.022 gr/dscf

{Based on an airflow of 12,000 dscfm, this is equivalent to potential emissions of 2.3 lbs./hr. and 9.9 tons/yr.}

2. 7% opacity

b. If any of the pieces of equipment controlled by the Classifier's Dust Collector were constructed, re-constructed, or modified on or after April 22, 2008:

1. 0.014 gr/dscf

   {Based on an airflow of 12,000 dscfm, this is equivalent to potential emissions of 1.4 lbs./hr. and 6.3 tons/yr.}

2. <20% opacity

[Rule 62-296.320, F.A.C. and 40 CFR 60.672 (a) and (b); Construction Permit No. 0530050-016-AC]

COMPLIANCE TESTING REQUIREMENTS

E.4. Particulate Matter (PM) & Visible Emissions (VE) Compliance Testing - To demonstrate compliance with Specific Condition No. E.3., the emissions from the Classifier's Dust Collector shall be tested for particulate matter within 180 - 105 days before the expiration date of this permit and for visible emissions annually during each federal fiscal year (October 1 – September 30).
[Rule 62-297.310, F.A.C.; Construction Permit No. 0530050-016-AC]

E.5. 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.]

E.6. Test Methods - Required tests shall be performed in accordance with the following reference methods.

Methods	Description of Method and Comments
5	Particulate Matter Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods 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 62-297.401, F.A.C.; 40 CFR 60, Appendix A-4]

E.7. Visible Emission Testing Requirements - Visible emission testing shall also comply with the following:

a. The duration of the Method 9 observations must be 30 minutes (five 6-minute averages). Compliance must be based on the average of the five 6-minute averages.

b. As an alternative to the Method 9 requirement to conduct visible emission observations of only one emission point at a time, a single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

   1. No more than three emission points may be read concurrently.

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

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

   [Rules 62-297.310(4), and 62-297.401, F.A.C.; 40 CFR 60.675 (c) and (e)(2)]

E. EU No. 005 – Classifier System

MONITORING REQUIREMENTS

E.8. Monitoring Requirements -The permittee shall comply with the following:

a. If any affected piece(s) of equipment of the processing plant (i.e., conveyor belt) was constructed, modified, or began reconstruction on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility, a monthly inspection must be performed to check that water is flowing to discharge spray nozzles of the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if water is not flowing properly during the inspection.

b. Per Appendix E, the permittee shall also comply with the monitoring requirements in 40 CFR 60.674(c) and (d).

[40 CFR 60.674(b), (c) and (d)]

NOTIFICATION REQUIREMENTS

E.9. Test Notification - The permittee shall notify the Compliance Authority in writing 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.

(*Permitting Note: This notification requirement should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.)*

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDKEEPING AND REPORTING REQUIREMENTS

E.10. Emission Test Report Requirements - The permittee shall prepare and submit to the Compliance Authority reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. The test reports shall include the following:

a. company name;

b. facility ID No. and Emission Unit No(s). (e.g., 0530050 and E.U. No. 005);

c. date each affected piece of equipment for this emission unit commenced construction, modification or reconstruction;

d. a statement that the Grinding Mill was operating and dried limestone was being transferred to the classifier during the test period; and

e. a copy of the logs as required by Specific Condition Nos. C.12. and E.11. for the month the test was conducted.

[Rule 62-297.310(8), F.A.C.; Construction Permit No. 0530050-016-AC]

E.11. Operation Records - The permittee shall monthly record the following:

a. facility name, facility ID No., and emission unit ID No. and date (month/day/year);

b. total amount of dried limestone transferred to the Classifier in tons;

c. most recent consecutive 12-month period total amount of dried limestone transferred to the Classifier in tons;

d. total hours of transferring dried limestone to the Classifier; and

e. most recent consecutive 12-month period total hours of transferring dried limestone to the Classifier.

The monthly records shall be completed by the end of the following month.

[Construction Permit No. 0530050-016-AC]

E.12. Monitoring Records - The permittee shall comply with the following:

a. If any affected piece(s) of equipment of the processing plant was constructed, modified, or began reconstruction on or after April 22, 2008, the owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken. Also see Specific Condition No. E.8.
[40 CFR 60.674(b)]

b. Per Appendix E, the permittee shall also comply with the reporting and recordkeeping requirements of 40 CFR 60.676(b).

F. EU No. 011 – 30-Ton Silo

This section of the permit addresses the following emissions unit.

Equipment number shown in ( ) after a piece of equipment is the Equipment ID No. assigned by the facility. See Appendix G. - Process Flow Diagram for equipment location.

ID No.	Emission Unit Description
011	30-Ton Silo - The 30-Ton Silo (212) receives dried limestone from a pneumatic conveying blower (209) associated with Emission Unit No. 005 – Classifier's Baghouse at a maximum rate of 5 tons/hr. The 5 tons/hr. transfer rate is considered a constant rate. Emissions from filling the silo are controlled by a bin vent filter (210) rated at 1,120 acfm that vents outside. The dried limestone inside the 30-Ton Silo is transferred to Emission Unit No. 013 – 3-Ton Silo by a screw conveyor (216) and/or Emission Unit No. 012 – 50 lb. Bagging Machine. The 3-Ton Silo may be filled simultaneously when the 30-Ton Silo is being filled.

PERFORMANCE RESTRICTIONS

F.1. Federal Regulatory Requirements - This emission unit is subject to 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants which is adopted by reference in Rule 62-204.800, F.A.C. See Appendix E and Appendix F attached to this permit.
[Rule 62-204.800(8), F.A.C.]

F.2. Permitted Capacity - The maximum filling rate of dried limestone to the 30-Ton Silo is 5 tons/hr. Due to the nature of the process, the filling rate is considered constant.
[Construction Permit No. 0530050-016-AC]

EMISSIONS STANDARDS

F.3. Visible Emission (VE) Limitations - Visible emissions from the 30-Ton Silo's bin vent filter shall not exceed 7% opacity.
[40 CFR 60.672(f)]

COMPLIANCE TESTING REQUIREMENTS

F.4. Visible Emissions (VE) Compliance Testing - To demonstrate compliance with Specific Condition No. F.3., the emissions from the bin vent filter shall be tested for visible emissions annually during each federal fiscal year (October 1 – September 30).
[Rule 62-297.310, F.A.C.; Construction Permit No. 0530050-016-AC]

F.5. 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.]

F.6. Test Method: Required tests shall be performed in accordance with the following reference method(s).

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

The above method is described in Appendix A of 40 CFR 60 and is 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.; 40 CFR 60, Appendix A-4]

F.7. Visible Emission Testing Requirements - Visible emission testing shall also comply with the following:

a. Per 40 CFR 60.675(c)(2)(i), the duration of the Method 9 observations shall be 1 hour (ten 6-minute averages). However, per 40 CFR 60.675(c)(2)(ii), the duration of the Method 9 observations shall be no less than 30 minutes if the 30-Ton Silo operates (is filled) for less than 1 hour at a time.

b. As an alternative to the Method 9 requirement to conduct visible emission observations of only one emission point at a time, a single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

1. No more than three emission points may be read concurrently.

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

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

[Rules 62-297.310(4) and 62-297.401, F.A.C.; 40 CFR 60.675 (c) and (e)(2)]

MONITORING REQUIREMENTS

F.8. Monitoring Requirements - The permittee shall comply with the following:

a. If any affected piece(s) of equipment of the processing plant (i.e., conveyor belt) was constructed, modified, or began reconstruction on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility, a monthly inspection must be performed to check that water is flowing to discharge spray nozzles of the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if water is not flowing properly during the inspection.

b. Per Appendix E, the permittee shall also comply with the monitoring requirements in 40 CFR 60.674(c) and (d).

[40 CFR 60.674(b), (c) and (d)]

F. EU No. 011 – 30-Ton Silo

NOTIFICATION REQUIREMENTS

F.9. Test Notification - The permittee shall notify the Compliance Authority in writing 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.

(*Permitting Note: This notification requirement should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.)*

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDKEEPING AND REPORTING REQUIREMENTS

F.10. Emission Test Report Requirements - The permittee shall prepare and submit to the Compliance Authority reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. The test reports shall include the following:

a. company name;

b. facility ID No. and Emission Unit No(s). (e.g., 0530050 and E.U. No. 011);

c. date the silo commenced construction, modification or reconstruction; and

d. a copy of the logs as required by Specific Condition No. F.11. for the month the test was conducted.

[Rule 62-297.310(8), F.A.C.; Construction Permit No. 0530050-016-AC]

F.11. Operation Records - The permittee shall monthly record the following:

a. facility name, facility ID No., emission unit ID No., and date (month/day/year);

b. hours of filling the silo;

c. the most recent consecutive 12-month period hours of filling the silo;

d. amount of dried limestone loaded into the silo in tons; and

e. the most recent consecutive 12-month total amount of dried limestone loaded into the silo, in tons.

The monthly records shall be completed by the end of the following month.

[Construction Permit No. 0530050-016-AC]

F.12. Monitoring Records - The permittee shall comply with the following:

a. If any affected piece(s) of equipment of the processing plant was constructed, modified, or began reconstruction on or after April 22, 2008, the owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken. Also see Specific Condition No. F.8.
[40 CFR 60, 60.674(b)]

b. Per Appendix E, the permittee shall also comply with the reporting and recordkeeping requirements of 40 CFR 60.676(b).

G. EU No. 012 – 50 lb. Bagging Machine, EU No. 013 – 3-Ton Silo, and EU No. 014 – 1-Ton Bagging Fill Spout

This section of the permit addresses the following emissions units.

Equipment number shown in ( ) after a piece of equipment is the Equipment ID No. assigned by the facility. See Appendix G. - Process Flow Diagram for equipment location.

ID No.	Emission Unit Description
012	50 lb. Bagging Machine - Dried limestone stored in the 30-Ton Silo (E.U. No. 011) is transferred to this emission unit, a 50 lb. bagging machine, at a constant rate of 5 tons/hr. A small suction box is located in the proximity of the nozzle to capture dust generated as 50 lb. bags are filled. The dust is routed from the suction box to a common bin vent filter (260) rated at 550 acfm that vents outside. The 50 lb. bagging machine may also be used to fill 1-ton supersacks. The entire procedure can be performed by a single employee as follows: A rubber hose is inserted over the 50 lb. bagging machine's bag fill nozzle in the same way that a 50 lb. paper bag is inserted over the same nozzle. The hose is run from the nozzle to a supersack that is suspended by a forklift over a floor scale. The end of the hose is inserted into the supersack through a mounting fixture used to guide and support the fill hose as it deposits material to the supersack. The mounting fixture also provides support for a fugitive dust collection hose that is positioned near the point of fill hose insertion. The fugitive dust collection hose is routed to the common bin filter (260). The neck of the supersack is sealed around the fill hose in order to eliminate fugitive dust or spillage. When the supersack reaches the required weight, a control valve is actuated to shut off the flow of material to the supersack. The fill hose is then removed from the supersack in a manner that minimizes fugitive dust and spillage from occurring. This completes the supersack filling procedure.
013	3-Ton Silo - Dried limestone stored Emission Unit No. 011 – 30-Ton Silo is transferred to this emission unit, a 3-Ton Silo (224), at a constant rate of 4 tons/hr. by a screw conveyor (216). Emissions from the 3-Ton Silo and screw conveyor are controlled by a common bin vent filter (260) rated at 550 acfm that vents outside.
014	1-Ton Bagging Fill Spout - Dried limestone in Emission Unit No. 013 – 3-Ton Silo (224) is transferred to this emission unit, 1-Ton Bagging Fill Spout, at a constant rate of 10 tons/hr. Emissions from the bagging machine are controlled by a common bin vent filter (260) rated at 550 acfm that vents outside.

PERFORMANCE RESTRICTIONS

G.1. Federal Regulatory Requirements - These emission units are subject to 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants which is adopted by reference in Rule 62-204.800, F.A.C. See Appendix E and Appendix F attached to this permit.
[Rule 62-204.800(8), F.A.C.]

G.2. Permitted Capacity - Dried limestone is transferred to these emission units at the following constant rates and as follows:

a. 5 tons/hr. for Emission Unit No. 012 – 50 lb. Bagging Machine

b. 4 tons/hr. for Emission Unit No. 013 – 3-Ton Silo

c. 10 tons/hr. for Emission Unit No. 014 – 1-Ton Bagging Fill Spout

d. Dried material may be transferred to all three (3) emission units simultaneously.

[Construction Permit No. 0530050-016-AC]

EMISSIONS STANDARDS

G.3. Common Bin Vent Filter's Particulate Matter (PM) & Visible Emission (VE) Limitations - Particulate matter and visible emissions from the common bin vent filter shall not exceed the following:

a. If any of the pieces of equipment controlled by the common bin vent filter were constructed, re-constructed, or modified after August 31, 1983 but before April 22, 2008:

1. 0.022 gr/dscf

{Based on an airflow of 550 dscfm, this is equivalent to potential emissions of 0.1 lbs./hr. and 0.5 tons/yr.}

2. 7% opacity

b. If any of the pieces of equipment controlled by the common bin vent filter were constructed, re-constructed, or modified on or after April 22, 2008:

1. 0.014 gr/dscf

{Based on an airflow of 550 dscfm, this is equivalent to potential emissions of 0.07 lbs./hr. and 0.3 tons/yr.}

2. <20% opacity

[Rule 62-296.320, F.A.C. and 40 CFR 60.672 (a) and (b); Construction Permit No. 0530050-016-AC]

COMPLIANCE TESTING REQUIREMENTS

G.4. Particulate Matter and Visible Emissions (VE) Compliance Testing - The permittee shall comply with the following:

a. To demonstrate compliance with Specific Condition No. G.3., the emissions from the common bin vent filter shall be tested for particulate matter within 180 – 105 days before expiration date of this permit and for visible emissions annually during each federal fiscal year (October 1 – September 30).

b. A compliance test shall be conducted when three (3) emission units (E.U. Nos. 012, 013, and 014) are operating simultaneously. A compliance test conducted with less than 3 emission units operating simultaneously will automatically constitute an amended permit to only allow the simultaneous operation of the number of emission units that were simultaneously operating during that test. Once the simultaneous operation of emission units are so limited, operation with more emission units simultaneously operating is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate with more emission units operating simultaneously than the most recent compliance test. In no case shall the number of emission units simultaneously operating exceed 3. The test results shall be submitted to the Compliance Authority within 45 days of testing. Acceptance of the test by the Compliance

Authority will automatically constitute an amended permit at the higher number of emission units tested when simultaneously operating.

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.; Construction Permit No. 0530050-016-AC]

G.5. Test Methods - Required tests shall be performed in accordance with the following reference methods.

Methods	Description of Method and Comments
5	Determination of Particulate Matter Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods 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 62-297.401, F.A.C.; 40 CFR 60, Appendix A-4]

G.6. Visible Emission Testing Requirements - Visible emission testing shall also comply with the following:

a. The duration of the Method 9 observations must be 30 minutes (five 6-minute averages). Compliance must be based on the average of the five 6-minute averages.

b. As an alternative to the Method 9 requirement to conduct visible emission observations of only one emission point at a time, a single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

1. No more than three emission points may be read concurrently.

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

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

[Rules 62-297.310(4), and 62-297.401, F.A.C.; 40 CFR 60.675(e)(2)]

MONITORING REQUIREMENTS

G.7. Monitoring Requirements - The permittee shall comply with the following:

a. If any affected piece(s) of equipment of the processing plant (i.e., conveyor belt) was constructed, modified, or began reconstruction on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility, a monthly inspection must be performed to check that water is flowing to discharge spray nozzles of the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if water is not flowing properly during the inspection.

b. Per Appendix E, the permittee shall also comply with the monitoring requirements in 40 CFR 60.674(c) and (d).

[40 CFR 60.674(b), (c) and (d)]

NOTIFICATION REQUIREMENTS

G.8. Test Notification - The permittee shall notify the Compliance Authority in writing 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.

(*Permitting Note: This notification requirement should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.)*

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDKEEPING AND REPORTING REQUIREMENTS

G.9. Emission Test Report Requirements - The permittee shall prepare and submit to the Compliance Authority reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. The test reports shall include the following:

a. company name;

b. facility ID No. and Emission Unit No(s). (e.g., 0530050 and E.U. Nos. 012, 013, & 014);

c. date each affected piece of equipment of these emission units commenced construction, modification or reconstruction;

d. a statement of which emission units were operating during the test period; and

e. a copy of the logs as required by Specific Condition No. G.10.

[Rule 62-297.310(8), F.A.C.; Construction Permit No. 0530050-016-AC]

G.10. Operation Records - The permittee shall record the following for each emission unit:

MONTHLY

a. facility name, facility ID No., and emission unit ID No. and date (month/day/year);

b. total amount of dried limestone transferred in tons;

c. most recent consecutive 12-month period total amount of dried limestone transferred in tons;

d. total hours of transferring dried limestone; and

e. most recent consecutive 12-month period total hours of transferring dried limestone;

OTHER

f. If the most recent compliance test was conducted with less than three (3) emission units operating simultaneously, the permittee shall maintain **daily** records to determine when a new compliance test

is required in accordance with Specific Condition No. G.4.b. The **daily** records shall record how many emission units operated simultaneously.

The monthly records shall be completed by the end of the following month. The daily records, as required, shall be completed by the end of the facility's next business day.

[Rule 62-4.070(3), F.A.C.; Construction Permit No. 0530050-016-AC]

G.11. Monitoring Records - The permittee shall comply with the following:

a. If any affected piece(s) of equipment of the processing plant was constructed, modified, or began reconstruction on or after April 22, 2008, the owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken. Also see Specific Condition No. G.7.
[40 CFR 60.674(b)]

b. Per Appendix E, the permittee shall also comply with the reporting and recordkeeping requirements of 40 CFR 60.676(b).

H. EU No. 015 – Grinding Mill Building

This section of the permit addresses the following emissions unit.

Equipment number shown in ( ) after a piece of equipment is the Equipment ID No. assigned by the facility. See Appendix G. - Process Flow Diagram for equipment location.

ID No.	Emission Unit Description
015	Grinding Mill Building - Fugitive emissions inside the Grinding Mill Building occur from Emission Unit No. 002 – Grinding Mill. Specifically, the fugitive emissions occur from the Grinding Mill's second feeder belt (107) transferring wet limestone to the grinding mill's rotary vane feeder (110) and from the grinding mill's reject material pile located below the grinding mill. The fugitive emissions from the grinding mill's reject material pile are expected to be insignificant and not quantifiable. The fugitive emissions escape from inside the Grinding Mill Building to the outside atmosphere through various openings.

PERFORMANCE RESTRICTIONS

H.1. Federal Regulatory Requirements - This emission unit is subject to 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants which is adopted by reference in Rule 62-204.800, F.A.C. See Appendix E and Appendix F attached to this permit.
[Rule 62-204.800(8), F.A.C.]

H.2. Permitted Capacity - The maximum permitting capacity of this emission unit is considered the same as shown in Specific Condition No. C.2. for Emission Unit No. 002 – Grinding Mill. This condition states, "The maximum input rate of wet limestone is 85 tons/hr., based on a daily average, and 613,200 tons per any consecutive 12-month period."
[Construction Permit No. 0530050-016-AC]

EMISSIONS STANDARDS

H.3. Visible Emission (VE) Limitations - Visible emissions from the Grinding Mill Building's roll-up door closest to the Grinding Mill's reject material pile must not exceed 7% opacity.
[40 CFR 60.672(e)(1)]

COMPLIANCE TESTING REQUIREMENTS

H.4. Visible Emissions (VE) Compliance Testing - To demonstrate compliance with Specific Condition No. H.3., visible emissions from the Grinding Mill Building's roll-up door shall be tested for visible emissions annually during each federal fiscal year (October 1 – September 30).
[Rule 62-297.310, F.A.C.; Construction Permit No. 0530050-016-AC]

H.5. 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.]

H.6. Test Method: Required tests shall be performed in accordance with the following reference method.

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

The above method is described in Appendix A of 40 CFR 60 and is 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.; 40 CFR 60, Appendix A-4]

H.7. Visible Emission Testing Requirements - Visible emission testing shall also comply with the following:

a. Per 40 CFR 60.675(c)(3), the duration of the Method 9 observations shall be at least 30 minutes (five 6-minute averages).

b. Test shall be conducted when Emission Unit No. 002 - Grinding Mill is operating.

c. As an alternative to the Method 9 requirement to conduct visible emission observations of only one emission point at a time, a single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

1. No more than three emission points may be read concurrently.

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

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

[Rules 62-297.310(4) and 62-297.401, F.A.C.; 40 CFR 60.675 (c), (d), and (e)(2)]

NOTIFICATION REQUIREMENTS

H.8. Test Notification - The permittee shall notify the Compliance Authority in writing 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.

(*Permitting Note: This notification requirement should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.)*

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDKEEPING AND REPORTING REQUIREMENTS

H.9. Emission Test Report Requirements - The permittee shall prepare and submit to the Compliance Authority reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. The test reports shall include the following:

a. company name;

b. facility ID No. and Emission Unit No(s). (e.g., 0530050 and E.U. No. 015);

c. the actual input rate of wet limestone to the Grinding Mill during the test period; and

d. a copy of the logs for the Grinding Mill as required by Specific Condition No. C.12. for the month the test was conducted.

[Rule 62-297.310(8), F.A.C.; Construction Permit No. 0530050-016-AC]

H.10. Operation Records - This emission unit shall use the records required by Specific Condition No. C.12. for Emission Unit No. 002 – Grinding Mill for operational and Annual Operating Report purposes. [Construction Permit No. 0530050-016-AC]