



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

NOTICE OF PERMIT ISSUANCE

In the Matter of an Application
for Permit by:

DEP File No.: AC60-275105
County: Sumter

Mr. Dennis Kenney, P.G.
Director of Technical Services
Florida Crushed Stone Company/
Consolidated Minerals, Inc.
1616 South 14th Street
Leesburg, Florida 34748

Enclosed is Permit Number AC60-275105 for the construction of a limestone processing plant, issued pursuant to Section 403.087, Florida Statutes.

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 of Appeal must be filed within 30 days from the date this Notice is filed with the Clerk of the Department.

Executed in Tampa, Florida.

Sincerely,

Eric Peterson
Air Permitting Engineer

cc: Steven C. Cullen, P.E., Koogler & Associates

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed before the close of business on FEB 15 1996 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to Section 120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Marilyn Quispe FEB 15 1996
(Clerk) (Date)



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PERMITTEE:

Florida Crushed Stone Company/
Consolidated Minerals, Inc.
1616 South 14th Street
Leesburg, Florida 34748

Permit No.: AC60-275105

County: Sumter

Expiration Date: 10/01/96

Project: Limestone Processing
Plant

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-210 through 297, and Chapter 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the department and made a part hereof and specifically described as follows:

This is an after-the-fact facility-wide construction permit for a limestone quarry and processing plant. Limestone is excavated and then processed to produce crushed stone. Process unconfined emission sources include 1 crusher, 1 feeder screen, 3 belt conveyors and 2 hoppers. Non-process unconfined emission sources include blasting, roadways, stockpiles, and truck loadout.

Portions of the plant are subject to 40 CFR 60 Subpart 000, *Standards of Performance for Nonmetallic Mineral Processing Plants*.

The construction permit application was submitted in accordance with Consent Order (OGC) Number 95-0776.

Location: St Catherine Mine, Highway 673, St Catherine, Sumter Co.

UTM: 17-385.6 E 3164.4 N

ARMS REF. NO.: 1190017-002

FACILITY ID NO.: 1190017

EMISSION UNIT ID NO.: 001

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

Permit History: No prior air pollution permits.

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

PERMITTEE:
 Florida Crushed Stone Co./
 Consolidated Minerals, Inc.

Permit No. : AC60-275105
Project: St. Catherine Mine
 Limestone Processing Plant

Specific Conditions:

1. A part of this permit is the attached 15 General Conditions. [Rule 62-4.160, F.A.C.]
2. Pursuant to Rule 62-296.800, F.A.C., the permittee is subject to the standards of performance of 40 CFR 60 Subpart 000 and the general provisions of 40 CFR 60 Subpart A.

OPERATION LIMITATIONS

3. The maximum throughput of the limestone processing plant shall not exceed 500 tons per hour and 1,000,000 tons per consecutive 12 month period. [Rule 62-212.200(58), F.A.C. and permit application dated 7/26/95]

EMISSION LIMITATIONS

4. **EMISSION SOURCES SUBJECT TO 40 CFR 60 SUBPART 000:** The affected emission sources identified below in Tables 1 and 2 are subject to the following visible emissions limit set forth in 40 CFR 60 Subpart 000, except as noted on Specific Condition No. 4.(c).

(a) Fugitive particulate matter emissions shall not be greater than 10 percent opacity from **any** transfer point on belt conveyors or from any other affected emission source, as identified in Table 1.

<u>Identifier (*)</u>			
#	Name	Manufacturer	Model #
12	Crusher-Feeder	Hewitt-Robbins	LPE-9
1	Feeder Belt	In-house fabrication	
2	Under Crusher Belt	In-house fabrication	
3	Stacker Belt	In-house fabrication	
11	Top Off Hopper	In-house fabrication	

Table 1: Subpart 000 Emission Sources-10 Percent Visible Emissions Limit

(b) Fugitive particulate matter emissions shall not exceed 15 percent opacity from any crusher, as identified in Table 2.

<u>Identifier (*)</u>				
#	Name	Manufacturer	Model #	Serial #
10	Roll Crusher	Hewitt-Robbins	3654	207524

Table 2: Subpart 000 Emission Sources-15 Percent Visible Emissions Limit

(*) Corresponds to the attached process flow diagram from 7/26/95 permit application.

PERMITTEE:

Florida Crushed Stone Co./
Consolidated Minerals, Inc.

Permit No. : AC60-275105

Project: St. Catherine Mine
Limestone Processing Plant

Specific Conditions:

(c) Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of Specific Condition 4.(a) and (b).
[40 CFR 60.672]

5. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any emissions unit whatsoever, including, but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrially related activities such as loading, unloading, storing or handling, *unless otherwise specified by this permit*, without taking reasonable precautions to prevent such emissions. [Rule 62-296.310(3)(a), F.A.C.]

6. The following work practices shall be followed:

- (a) The posted plant-wide speed limit is 10 mph;
- (b) The plant haul roads are watered (by water tank), as necessary to prevent the occurrence of emissions of unconfined particulate matter.

[Permit application dated 7/26/95 and Rule 62-296.310(3)(b), F.A.C.]

7. Reasonable precautions may include, but shall not be limited to the following:

- (a) Paving and maintenance of roads, parking areas and yards.
- (b) Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
- (c) Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar emissions units.
- (d) Removal of particulate matter from roads and other paved areas under the control of the permittee of the emissions unit to prevent reentrainment, and from buildings or work areas to prevent particulate matter from becoming airborne.
- (e) Landscaping or planting of vegetation.
- (f) Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
- (g) Confining abrasive blasting where possible.
- (h) Enclosure or covering of conveyor systems.

[Rule 62-296.310(3)(c), F.A.C.]

8. In order to provide reasonable assurance that the precautions and practices taken at the plant are adequate, the emissions of unconfined particulate matter from the feeder hopper and all non-process sources (see Specific Condition No. 5) shall not exceed 5 percent opacity. 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.]

PERMITTEE:
Florida Crushed Stone Co./
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Permit No. : AC60-275105
Project: St. Catherine Mine
Limestone Processing Plant

Specific Conditions:

COMPLIANCE TESTING REQUIREMENTS

9. The permittee of an emissions unit that is subject to emission limiting standards shall conduct compliance tests that demonstrates compliance with the applicable emission limiting standards prior to obtaining an operating permit for such emissions unit. The process emission sources identified in Tables 1 and 2 shall be tested for visible emissions within 60 days of issuance of this permit.

[40 CFR 60.8(a) and Rule 62-297.340(1)(a), F.A.C.]

10. Visible emissions testing for the process emission sources identified in Table 1 and 2 (i.e., those sources subject to 40 CFR 60 Subpart 000) shall be conducted using 40 CFR 60, Appendix A, EPA Method 9 and the procedures of 40 CFR 60.11. For the purposes of determining initial compliance, the total time of the visible emissions testing shall be 3 hours per source. In addition, the following shall apply to the test methods and procedures:

(a) The visible emission testing for the sources identified in Tables 1 and 2 shall be conducted using EPA Method 9 and the procedures of 40 CFR 60.11, with the following additions:

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

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

(b) The permittee may use the following as alternatives to the reference methods and procedures.

(1) If emissions from two or more emission sources continuously interfere so that the opacity of fugitive emissions from an individual affected emissions source cannot be read, either of the following procedures may be used:

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

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

[40 CFR 60.11(b) and 60.675(2)]

PERMITTEE:

Florida Crushed Stone Co./
Consolidated Minerals, Inc.

Permit No. : AC60-275105

Project: St. Catherine Mine
Limestone Processing Plant

Specific Conditions:

11. The owner or operator shall notify the Department at least 30 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner. As part of the notification, a protocol shall be submitted which specifies how the limestone processing plant throughput during the test will be determined. The protocol may request that only specified worst case sources be tested, among a group of essentially identical units.
[40 CFR 60.8(d) and Rule 62-4.070(3), F.A.C.]

12. Testing of emissions shall be conducted with the emissions unit operation at permitted capacity as defined below. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit (500 tons throughput per hour for the limestone processing plant).
[Rule 62-297.310(2)(b), F.A.C.]

13. The permittee of an air pollution emissions unit, for which compliance tests are required, shall file a report with the Air Program of the Department's Southwest District on the results of each such test. The required test report shall be filed with the Department as soon as practical but no later than 45 days after each test is completed. The test report submittal shall meet all applicable requirements of Chapter 62-297, F.A.C. Include in the test report the source operation rate during each test.
[Rules 62-4.070(3) and 62-297.570, F.A.C.]

14. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.
[Rule 62-297.340(2), F.A.C.]

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Permit No. : AC60-275105
Project: St. Catherine Mine
Limestone Processing Plant

Specific Conditions:

REPORTING AND RECORDKEEPING REQUIREMENTS

15. In order to document continuing compliance with Specific Condition Nos. 3 and 6, the permittee shall maintain the following records:

- a) Daily hours of limestone processing plant operation;
- b) Quantity of product loaded out each day (tons per day);
- d) Daily, log the following parameters regarding the watering of haul plant roads:
 - 1) Time of water application by the water tank and the gallons applied;
 - 2) An explanation of why road watering was not performed, if applicable.
- e) Calculate on a monthly basis:
 - 1) average hourly throughput for the most recent month;
 - 2) the total tons processed for the most recent consecutive 12 month period.

These records shall be recorded in a permanent form suitable for inspection by the Department upon request, and shall be retained for at least a two year period.

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


16. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Department 60 days before the expiration of the permit.

[Rule 62-4.090, F.A.C.]

17. A request for an operation permit must be submitted to the Department at least 90 days prior to the expiration date of this construction permit. To properly request an operation permit, the permittee shall submit a cover letter, compliance test reports as required by this permit, and the records required in Specific Condition No. 15 for the latest 2 month period.

[Rules 62-4.220 and 62-4.070(3), F.A.C.]

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION


W.C. Thomas, P.E.
District Air Administrator
Southwest District

ATTACHMENT - GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:

GENERAL CONDITIONS:

- a. Have access to and copy any records that must be kept under the conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

GENERAL CONDITIONS:

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Compliance with New Source Performance Standards (NSPS)

14. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the dates analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.