



## MEMORANDUM

**TO:** Jerry Kissel,  P.E., District Air Engineer

**FROM:** Eric Peterson, Air Permit Engineer 


**DATE:** January 30, 1996

**SUBJECT:** Florida Crushed Stone Co./Consolidated Minerals, Inc.  
Final Issuance Memo  
Project: Limestone Processing Plant  
County: Sumter  
Permit No.: AC60-275105  
Intent to Issue Sent: January 5, 1996  
Notice Published: January 11, 1996  
Proof of Pub. Rec'd.: January 18, 1996  
Day 15 After Not. Pub.: January 26, 1996

The draft permit included in the Intent to Issue package was approved by Mssrs. Kissel and Thomas and signed by Mr. Craig for Dr. Garrity. No comments from the applicant or public were received following the publication of the public notice. The UTM's were corrected. I have reviewed the proof of publication and verified that the correct notice was published.

I recommend that this construction permit be issued and submit it for your review and approval.

## MEMORANDUM

**TO:** Jerry Kissel, P.E., District Air Engineer   
**FROM:** Eric Peterson, Air Permit Engineer (EP)  
**DATE:** January 3, 1996  
**SUBJECT:** Florida Crushed Stone Co./Consolidated Minerals, Inc.  
Intent to Issue (Non-Title V facility)  
Project: Limestone Processing Plant  
County: Sumter  
Permit No.: AC60-275105  
ARMS Ref. No.: 1190017-002  
Day 90: January 15, 1996

From the information below, I recommend the Intent to Issue for Florida Crushed Stone Co./Consolidated Minerals, Inc. be signed.

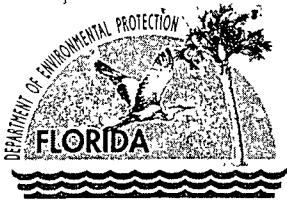
On July 27, 1995 the Department received from Florida Crushed Stone Co./Consolidated Minerals Inc., an after-the-fact air pollution construction and operation permit application for a limestone processing plant. The plant is subject to 40 CFR 60 Subpart 000, Standards of Performance for Nonmetallic Mineral Processing Plants. The application was submitted as part of a Consent Order agreement between the applicant and the Department. After receipt of additional information on October 18, 1995, the application was deemed complete. The Intent to Issue is for the construction permit only.

The plant conducts limestone mining and processing activities including drilling, blasting, hauling, crushing, screening, conveying, stockpiling, and product handling. The mined rock is generally below the water table, thus, this is considered a wet mining operation.

Emissions of PM are generated from the process equipment and from non-process sources. The process emissions are unconfined (no enclosures, stacks, or vents) and are uncontrolled. PM emissions are minimized by the wet nature of the mining operation. The permit contains NSPS limits on visible emissions (10 or 15% opacity - depending on process type). Non-NSPS process sources and non-process operations are subject to reasonable precautions to prevent unconfined PM emissions. The plant uses wet suppression of haul roads, a plant-wide speed limit of 10 mph, and a paved exit road to minimize roadway emissions.

Visible emissions tests, showing compliance, are required prior to issuance of the operation permit. Other permit requirements include limits on hourly and consecutive 12 month throughput of crushed stone, reporting, and recordkeeping for hours of operation, throughput, and road watering.

The project does not trigger PSD or Title V permitting.



# Department of Environmental Protection

Lawton Chiles  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

Virginia B. Wetherell  
Secretary

## CERTIFIED MAIL

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

## INTENT TO ISSUE

The Department of Environmental Protection gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, Florida Crushed Stone Company/Consolidated Minerals, Inc., applied on July 27, 1995 to the Department of Environmental Protection for an after-the-fact permit to construct a limestone processing plant at its facility located at the St. Catherine Mine, Highway 673, St. Catherine, Florida.

The Department has permitting jurisdiction under 403.087, Florida Statutes (F.S.). The project is not exempt from permitting procedures. The Department has determined that a construction permit is required for the proposed work.

The Department intends to issue this permit based on the belief reasonable assurances have been provided to indicate the proposed project will comply with the appropriate provisions of Florida Administrative Code (F.A.C.) Chapters 62-210 through 62-297 & 62-4.

Pursuant to Section 403.815, F.S. and Rule 62-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice will be published one time only within 30 days, in the legal ad section of a newspaper of general circulation in the area affected. For the purposes of this rule "publication in a newspaper of general circulation in the affected area" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed above. The applicant shall

provide proof of publication to the Department, at 3804 Coconut Palm Drive, Tampa Florida 33619 within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

The Department will issue the permit with the attached conditions unless a petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S.

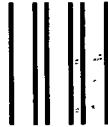
A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within 14 days of receipt of this intent. Petitions filed by other persons must be filed within 14 days of publication of the public notice or within 14 days of their receipt of this intent, whichever first occurs. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under section 120.57 Florida Statutes.

The Petition shall contain the following information;

- (a) The name, address, and the telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by petitioner, if any;
- (e) A statement of facts which petitioner contends warrants reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition

UNITED STATES POSTAL SERVICE




First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Print your name, address, and ZIP Code in this box •

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
3804 COCONUT PALM DR  
TAMPA, FLORIDA 33619

**RECEIVED**  
JAN 10 1996

Department of Environmental Protection  
SOUTHWEST DISTRICT

Air BY \_\_\_\_\_ 

Z 142 060 996



### Receipt for Certified Mail

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

MR DENNIS KENNEY  
FL CRUSHED STONE CO/  
CONSOLIDATED MINERALS INC  
1616 SOUTH 14TH STREET  
LEESBURG FL 34748

Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date  <b>JAN 05 1996</b>	

PS Form 3800, March 1993

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:** AC60-275105 EP

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

MR DENNIS KENNEY  
FL CRUSHED STONE CO/  
CONSOLIDATED MINERALS INC  
1616 SOUTH 14TH STREET  
LEESBURG FL 34748

4a. Article Number  
Z 142 060 996

4b. Service Type

<input type="checkbox"/> Registered	<input checked="" type="checkbox"/> Certified
<input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured
<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> COD

7. Date of Delivery

8. Addressee's Address (Only if requested and fee is paid)

5. Received By: (Print Name)  
*J. Kennedy*

6. Signature: (Addressee or Agent)  
**X** *1-896*

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Print your name, address, and ZIP Code in this box •

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
3804 COCONUT PALM DR  
TAMPA, FLORIDA 33619

**RECEIVED**  
JAN 1 0 1996  
Environmental Protection  
DISTRICT



*air*

Z 142 060 997



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

MR STEVEN C CULLEN  
KOOGLER & ASSOCIATES  
4014 NW 13TH STREET  
GAINESVILLE FL 32609

PS Form 3800, March 1993

Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	JAN 05 1996

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:** AC60-275105

EP

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

MR STEVEN C CULLEN  
KOOGLER & ASSOCIATES  
4014 NW 13TH STREET  
GAINESVILLE FL 32609

4a. Article Number

Z 142 060 997

4b. Service Type

- Registered
- Express Mail
- Return Receipt for Merchandise
- Certified
- Insured
- COD

7. Date of Delivery

1-8-96

8. Addressee's Address (Only if requested and fee is paid)

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X Carol Walker

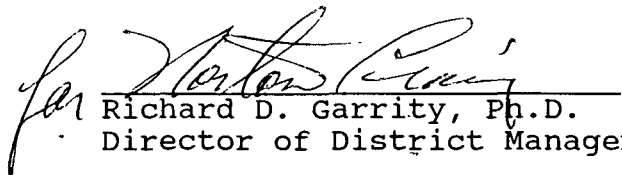
Thank you for using Return Receipt Service.



must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice, in the Office of General Counsel at the above address of the Department. Failure to petition within the allotted time frame constitutes a waiver of any rights such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Executed in Tampa, Florida

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
Richard D. Garrity, Ph.D.  
Director of District Management

Attachment

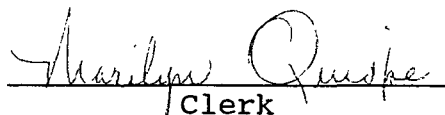
Copies furnished to:

Steven C. Cullen. P.E.  
Koogler & Associates  
4014 NW 13th Street  
Gainesville, FL 32609

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this INTENT TO ISSUE and all copies were mailed by certified mail before the close of business on JAN 05 1996 to the listed persons.

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.

  
Clerk JAN 05 1996  
Date

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NOTICE OF INTENT TO ISSUE PERMIT

The Department of Environmental Protection gives notice of its intent to issue an air pollution permit (No. AC60-275105) to Florida Crushed Stone Co./Consolidated Minerals Inc. for the after-the-fact construction of a limestone processing plant at its facility located at the St. Catherine Mine, Highway 673, Center Hill, Florida. MAILING ADDRESS - 1616 South 14th Street, Leesburg, Florida 34748 to the attention of Dennis Kenney.

A Best Available Control Technology (BACT) determination was not required.

A person whose substantial interests are affected by this proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, 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 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under section 120.57 Florida Statutes.

The Petition shall contain the following information; (a) The name, address, and the telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of facts which petitioner contends warrants reversal or modification of the Department's action or proposed action; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt

of this notice, in the Office of General Counsel at the above address of the Department. Failure to petition within the allotted time frame constitutes a waiver of any rights such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at 8407 Laurel Fair Circle, Tampa, Florida 33610.



# Department of Environmental Protection

Lawton Chiles  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

Virginia B. Wetherell  
Secretary

# DRAFT

**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:** 17-401.5 E 3169.5 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.

# DRAFT

**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.

# DRAFT

**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.]

# DRAFT

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

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)]

# DRAFT

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.]



# DRAFT

**PERMITTEE:**

Florida Crushed Stone Co./  
Consolidated Minerals, Inc.

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.]

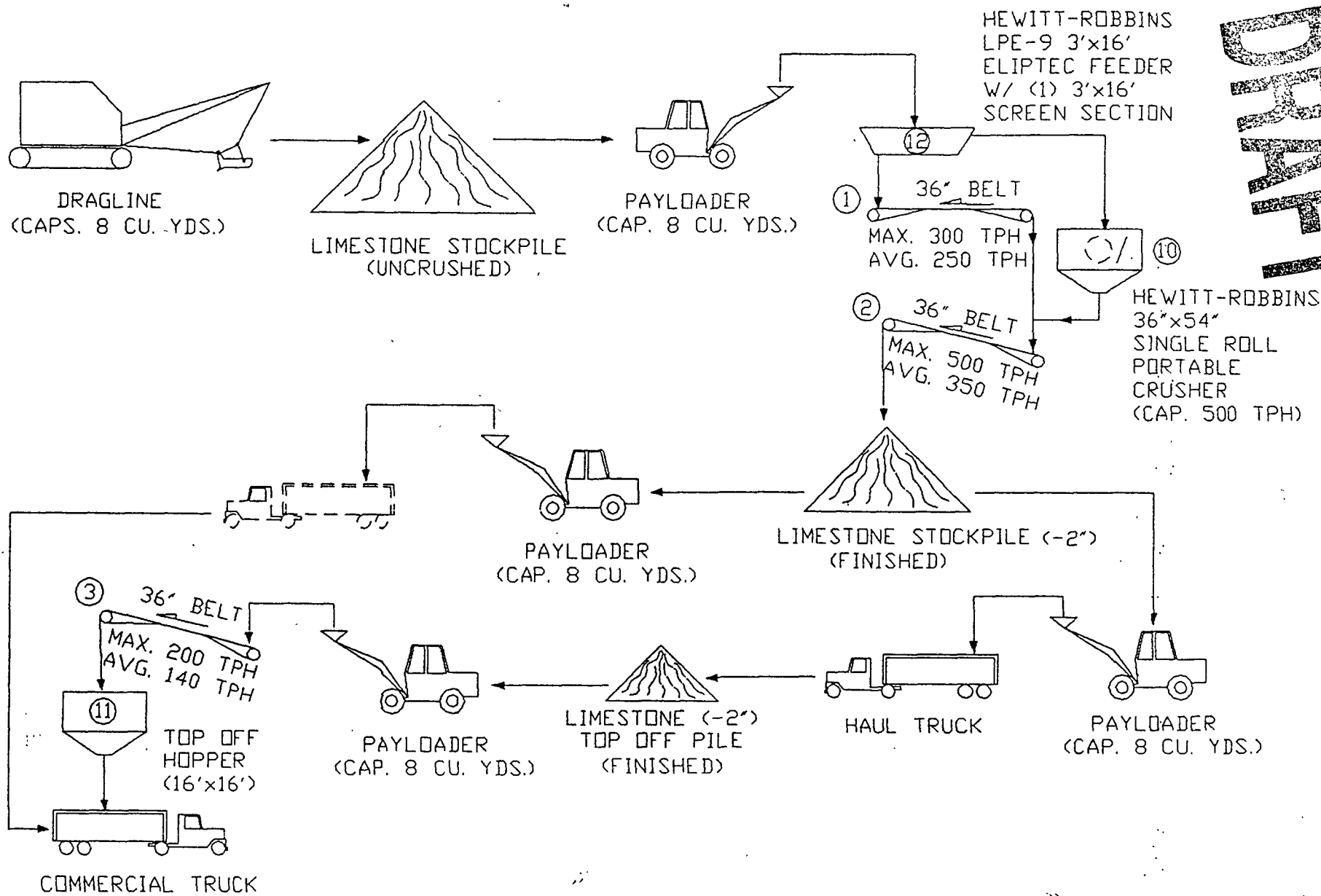
FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

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

**DRAFT**

CURRENT 2 - PROCESS FLOW DIAGRA



ST. CATHERINE MINE

FLORIDA CRUSHED STONE			
LEESBURG		FLORIDA	
DATE	7/94	APPROVED BY	RCG
SCALE	NONE	CHECKED BY	RCG
<b>FLOW CHART</b>			
NO.	2	REVISION	GENERAL REVISION
DATE	4/95	BY	RSR
PROJECT	ST. CATHERINE MINE		DRAWING NUMBER
NO.		SECTION	FL. STC0023 01/01

# DRAFT

## 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:

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## 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.

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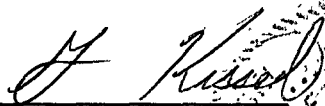
## GENERAL CONDITIONS:

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.

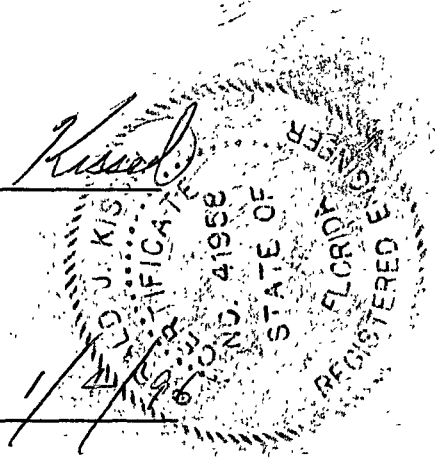
# Certification

Application No. 275105 Fla Crushed Stone/Cons'd Min's

I HEREBY CERTIFY that the engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code 62-209 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, and geological features).

  
\_\_\_\_\_  
(signed)

\_\_\_\_\_  
(date)



(seal)

TECHNICAL EVALUATION  
AND  
PRELIMINARY DETERMINATION  
FOR

Florida Crushed Stone/Consolidated Minerals, Inc.

St. Catherine  
Sumter County

Construction Permit Application Number

**AC60-275105**

Florida Department of Environmental Protection  
Southwest District  
Tampa, FL

Prepared by: Eric Peterson  
January 3, 1996

I. Project Description:

A. Applicant:

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

B. Engineer:

Mr. Steven C. Cullen, P.E.  
Koogler & Associates  
4014 NW 13th Street  
Gainesville, FL 32609

C. Project and Location:

The applicant has requested an after-the-fact construction permit and an operation permit for an existing limestone quarry and processing plant. The plant is subject to 40 CFR 60 Subpart 000: Standards of Performance for Nonmetallic Mineral Processing Plants. The application was submitted as part of a Consent Order agreement (OGC Number 95-0776) with the Department.

The plant is located at the St. Catherine Mine, Highway 673, St. Catherine, in Sumter County.

D. Process and Controls:

The plant conducts limestone mining and processing activities including drilling, blasting, hauling, crushing, screening, conveying, stockpiling, and product handling. Drilling and blasting generally occur below the water table. Limestone is then excavated by a dragline and loaded by payloader onto the Hewitt-Robbins feeder screen. Overs are fed into the Hewitt-Robbins single roll portable crusher (capacity is 500 TPH). Feeder screen throughs and crushed stone are conveyed to the a stockpile. Product is loaded by payloader into haul trucks. Haul trucks are weighed at the scale house. If underweight, additional product is loaded into trucks from the top off hopper. If overweight, product is off-loaded into a top off stockpile.

Emissions of PM are generated from the process equipment (crusher, screens, belt conveyors) and from non-process sources (blasting, drilling, stockpiling, product loadout, roadways). The process emissions are unconfined (no enclosures, stacks, or vents) and are uncontrolled. The emissions are inherently minimized by the wet nature of the



mining operation. Fugitive roadway emissions generated by hauling operations are the largest potential source of PM emissions at the facility. The precautions taken to prevent these emissions are: the plant exit road is paved, the plant haul roads are wet by water tank, and the plant-wide speed limit is 10 mph.

E. Application Information:

Received on: July 27, 1995  
Application Complete: October 18, 1995

II. Rule Applicability

This project is subject to the preconstruction review requirements of Chapter 403, Florida Statutes and Chapters 62-210 through 62-297, Florida Administrative Code (F.A.C.).

This project is not subject to the requirements of Rule 62-212.400, Prevention of Significant Deterioration, F.A.C. or Rule 62-212.500, New Source Review for Nonattainment Areas, F.A.C.

This project is subject to the requirements of Rule 62-212.300, Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements, F.A.C., since the project is not exempt from general permitting requirements.

This project is subject to the requirements of Rule 62-296.310, General Particulate Emission Limiting Standards, F.A.C., since the project is a source of fugitive process and non-process particulate matter emissions.

This project is subject to the requirements of Rule 62-296.320, General Pollutant Emission Limiting Standards, F.A.C., since it could be source of odors.

This project is not subject to the requirements of Rule 62-296.700, Reasonably Available Control Technology, F.A.C., since it is located outside of the area of influence of the Hillsborough County particulate nonattainment area.

This project is subject to the requirements of Rule 62-296.800, Standards of Performance for New Stationary Sources, F.A.C., specifically, 40 CFR 60 Subpart 000: Standards of Performance for Nonmetallic Mineral Processing Plants.

This project is not subject to the requirements of Rule 62-296.810, National Emission Standard for Hazardous Air Pollutants, F.A.C., since there is no source category.

### III. Summary of Emissions

Emission Unit	Potential Emissions (TPY)*					
	PM/PM10	SO2	NOx	CO	VOC	HAPs
Processing Plant	3.5/0.6	---	---	---	---	---

\* Based on 1,000,000 tons of limestone processed per year.

Visible emissions for the Subpart 000 sources (except crushers) are limited to 10% opacity. Subpart 000 crushers are limited to 15% opacity. Testing for visible emissions shall be in accordance with EPA Method 9, contained in 40 CFR 60 Appendix A, except as allowed in Subpart 000. The initial visible emissions test for these sources is 3 hours in duration.

The throughput of limestone is limited to 500 tons per hour and 1,000,000 tons per consecutive 12 month period. Recordkeeping requirements have been established so that compliance with these limits can be determined. The permittee is also required to keep records to track the application of water on the haul roads.

### IV. Conclusions

The general and Specific Conditions listed in the proposed permit (attached) will assure compliance with all the applicable requirements of Chapters 62-210 through 62-297, F.A.C.

### V. Proposed Agency Action

Pursuant to Section 403.087, Florida Statutes and Section 62-4.07, Florida Administrative Code, the Department hereby gives notice of its intent to issue a permit to construct the aforementioned air pollution source in accordance with the draft permit and its conditions as stipulated (see attached).