

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of
Application for Permit by:

Florida Mining and Materials
Post Office Box 6
Brooksville, Florida 34605-0006

DER File No. AC 27-169616

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

The applicant, Florida Mining and Materials, applied on September 5, 1989, to the Department of Environmental Regulation for a permit to modify kiln No. 1 at their cement plant to burn re-refined oil during startup only. The applicant's facility is located off U.S. Highway 98 Northwest of Brooksville, Hernando County, Florida.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that an air construction permit is required for the proposed work.

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice shall 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 purpose of this rule, "publication in a newspaper of general circulation in the area affected" 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. The applicant shall provide proof of publication to the Department, at the address specified 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 the Department's 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. 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 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 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 warrant 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 notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application(s) 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 publication of this notice in the Office in General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right 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 Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



C. H. Fancy, P.E.
Chief
Bureau of Air Regulation

Copies furnished to:

B. Thomas, SW Dist.
J. Tessitore, P.E.

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on 1-10-90.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Kym Daben
Clerk

1-10-90
Date

State of Florida
Department of Environmental Regulation
Notice of Intent to Issue

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Florida Mining and Materials, Post Office Box 6, Brooksville, Florida 34605-0006, to modify kiln No. 1 at their cement plant to burn re-refined oil during startup only. A determination of Best Available Control Technology (BACT) was not required. The applicant's facility is located off U.S. Highway 98 Northwest of Brooksville, Hernando County, Florida. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

A person whose substantial interests are affected by the Department's 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 fourteen (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 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 warrant 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 Notice. 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 publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right 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 business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Department of Environmental Regulation
Bureau of Air Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Department of Environmental Regulation
Southwest District
4520 Oak Fair Boulevard
Tampa, Florida 33610-7347

Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.

Technical Evaluation
and
Preliminary Determination

Florida Mining and Materials
Brooksville, Hernando County, Florida

Modification to Burn Flolite in Kiln No. 1
Permit No. AC 27-169616

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

January 9, 1990

I. Application

A. Applicant

Florida Mining and Materials
Post Office Box 6
Brooksville, Florida 34605-0006

B. Request

The Department received an application on September 5, 1989, for a permit to burn Flolite (blend of virgin and re-refined oils) in place of No. 6 fuel oil in Kiln No. 1 at the applicant's cement plant in Brooksville, Florida. After receiving additional information on November 1, 1989, the application was deemed complete on November 1, 1989.

C. Classification/Location

The applicant's cement manufacturing facility (SIC Code 3241) is located off U.S. Highway 98 Northwest of Brooksville, Florida, with latitude of 28°38'34" N and longitude of 82°28'25"W. The UTM coordinates of the site are: Zone 17, 356.0 km E and 3169.9 km N.

II. Project Description/Emissions

It is proposed to burn an on-specification used oil blend (Flolite) in place of the currently permitted No. 6 fuel oil in Kiln No. 1. Although the application states that Flolite will be used for up to 7,920 hrs/yr, the applicant subsequently explained that Flolite will be used only 250 hours or less (startup only). No. 6 fuel oil will be used only as a backup fuel. Coal is the primary fuel source.

Flolite is a blend of virgin fuel oils and re-refined used oil (mainly used motor oil) resulting in a product with the physical specifications of No. 5 fuel oil. Emissions from the combustion of Flolite instead of No. 6 oil on startup will result in a slight increase in SO₂ emissions (2.0 lbs/hr or 0.25 ton/yr) and essentially no increase in emissions of other regulated air pollutants. Specification data for Flolite indicate no need for concern about excessive emissions of toxics or metals.

III. Rule Applicability

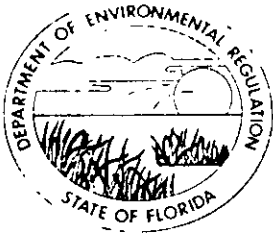
The construction permit application is subject to review under Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 17-2 and 17-4. The facility is located in an area classified as attainment for each of the regulated air pollutants. Although the kiln is a major source, the proposed increase in emissions is insignificant and therefore the proposed

modification is not subject to the new source review requirements of F.A.C. Rule 17-2.500. Applicable rules are F.A.C. Rule 17-2.520, Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements, F.A.C. Rule 17-2.600(7)(b) and F.A.C. Rule 17-2.660, Standards of Performance for New Stationary Sources, Section 60.60, Subpart F, Portland Cement Plants.

IV. Conclusion

Based on the information provided by Florida Mining and Materials, the Department has reasonable assurance that the modification to burn Flolite, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-2 of the Florida Administrative Code.

John Thomas
01/10/90



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

PERMITTEE:

Florida Mining and Materials
P. O. Box 6
Brooksville, Florida
34605-0006

Permit Number: AC 27-169616

Expiration Date: September 30, 1990

County: Hernando

Latitude/Longitude: 28°38'34"N

82°28'25"W

Project: Modification to burn
Flolite oil in Kiln No. 1

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 17-2 and 17-4. 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:

For the modification of the No. 1 kiln to burn Flolite oil during startup only. The facility is located in Brooksville, Hernando County, Florida. The UTM coordinates are Zone 17, 356.0 km East and 3169.9 km North.

The source shall be modified in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. Florida Mining & Materials (FM&M) application received on September 5, 1989.
2. DER's incompleteness letter dated October 4, 1989.
3. FM&M's response received November 1, 1989.

PERMITTEE:

Florida Mining and Materials

Permit Number: AC 27-169616

Expiration Date: September 30, 1990

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 403.161, 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), Florida Statutes, 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.

PERMITTEE: Florida Mining and Materials Permit Number: AC 27-169616
Expiration Date: September 30, 1990

GENERAL CONDITIONS:

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:

- 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.

PERMITTEE:

Florida Mining and Materials

Permit Number: AC 27-169616

Expiration Date: September 30, 1990

GENERAL CONDITIONS:

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 proscribed by Sections 403.73 and 403.111, Florida Statutes. 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 17-4.120 and 17-30.300, 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.

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

13. This permit also constitutes 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.

PERMITTEE:

Florida Mining and Materials

Permit Number: AC 27-169616

Expiration Date: September 30, 1990

GENERAL CONDITIONS:

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.

SPECIFIC CONDITIONS:

1. The annual hours of operation of Kiln No. 1 shall not exceed 7920.

2. The No. 1 kiln feed rate shall not exceed 120 tons per hour (wet basis), yielding a maximum clinker production rate of 71 tons per hour (dry basis).

3. Except during startup, the No. 1 kiln fuel input rate shall not exceed 208.1 MMBTU per hour based on firing 16,800 lbs/hr coal with a heating value of 12,387 BTU/lb. The sulfur content of the coal shall not exceed 1.0 percent by weight using ASTM-D-3177-84.

PERMITTEE:

Florida Mining and Materials

Permit Number: AC 27-169616

Expiration Date: September 30, 1990

SPECIFIC CONDITIONS:

Coals with heating values lower than 12,387 BTU per pound shall be fired only if the sulfur content to heat value ratio of the coal does not exceed 0.83 pounds of sulfur per MMBTU of heat input.

4. During startup periods that are to exceed no more than 250 hours per year, additional fuel input shall not exceed 7.62 MMBTU per hour. Additional startup fuel shall consist of either Flolite re-refined oil blend containing no more than 1 percent sulfur by weight, or No. 6 fuel oil containing no more than 0.77 percent sulfur by weight. At all times the Flolite oil shall contain no higher concentration of metals or toxics than stated in the certified analysis submitted with Attachment 3 of the application.

5. Particulate matter (PM) emissions from the No. 1 kiln shall not exceed 0.30 lb/ton of feed (dry basis) to the kiln; 33 lbs/hr; 130.7 tons/yr.

6. Visible emissions (VE) from the No. 1 kiln shall not exceed 10% opacity.

7. Compliance shall be demonstrated, in accordance with F.A.C. Rule 17-2.700 and 40 CFR 60 Appendix A (1989), using EPA Method 5 for PM and DER Method 9 for VE.

8. The kiln feed rate and clinker production rate shall be monitored and recorded daily in accordance with 40 CFR 60.63. The coal feed rate to the kiln and the average coal sulfur content and heating value (BTU/lb) of each coal shipment shall be determined and recorded. If coal of sulfur content exceeding 1.0 percent by weight is fired in the kiln (due to variability in the sulfur content of coal within a shipment) samples will be taken of coal entering the kiln at a minimum frequency of once per hour and analyzed for sulfur content. The average sulfur content of samples taken within each 3-hour period shall not exceed 1.0 percent by weight.

9. The applicant shall comply with all of the applicable provisions and requirements of F.A.C. Chapters 17-2, 17-4, and 40 CFR 60 Subpart F.

10. DER's Southwest District office shall be notified at least 15 days prior to compliance testing. Test reports shall be submitted to DER's Southwest District office within 30 days of compliance test completion.

PERMITTEE: Florida Mining and Materials Permit Number: AC 27-169616
Expiration Date: September 30, 1990

SPECIFIC CONDITIONS:

11. Any change in the method of operation, fuels, equipment, startup or operating hours during the period of this permit shall be submitted for approval to DER's Bureau of Air Regulation office.

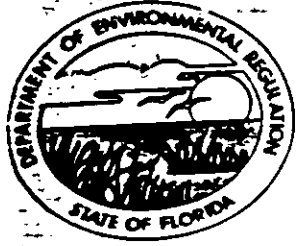
12. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).

13. An application for an operation permit must be submitted to the Department's Southwest District office at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. Rule 17-4.220).

Issued this _____ day
of _____, 1990

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

Dale Twachtmann, Secretary



Florida Department of Environmental Regulation

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garity, Deputy Assistant Secretary

PERMITTEE:
Florida Mining & Materials
Post Office Box 6
Brooksville, FL 34605-0006

PERMIT/CERTIFICATION
Permit No.: A027-169616
County: Hernando
Expiration Date: 01-18-95
Project: Rotary Kiln No. 1

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 & 17-4. 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:

For the operation of the rotary kiln No. 1, the air suspension preheater, and the raw material grinding mill in a portland cement plant. The particulate emissions and the product of combustion from the rotary kiln pass through the suspension preheater and raw material grinding mill before being exhausted to the Western Precipitation baghouse, equipped with 16 separate compartments and stacks. The kiln is fired on coal or No. 6 fuel oil.

Location: U.S. Highway 98, NW of Brooksville, Hernando County

UTM: 17-356.0 E 3169.9 N NEDS NO: 0010 Point ID: 03

Replaces Permit No.: A027-89814

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

Mr. Bruce Mitchell

Initial

Date

2.

DARM - BAR

Initial

Date

3.

DER - Tallahassee

Initial

Date

4.

Twin Towers

Initial

Date

REMARKS:

Copies of the permits you requested.

Good Luck.

INFORMATION

Review & Return

Review & File

Initial & Forward

DISPOSITION

Review & Respond

Prepare Response

For My Signature

For Your Signature

Let's Discuss

Set Up Meeting

Investigate & Report

Initial & Forward

Distribute

Concurrence

For Processing

Initial & Return

RECEIVED

OCT 18 1990

DER-BAQM

FROM:

Jim McDonald

DATE

10-15-90

PHONE

PERMITTEE:
Florida Mining & Materials

Permit/Certification No.: A027-169616
Project: Rotary Kiln No. 1

SPECIFIC CONDITIONS:

1. A part of this permit is the attached 15 General Conditions.
2. This source is subject to the New Source Performance Standards (NSPS), established for Portland Cement Plants (40 CFR 60, Subpart F), which is adopted by reference in Section 17-2.660, F.A.C. The NSPS sets a particulate emission limit of 0.30 pounds per ton of feed (dry basis) to the kiln and a visible emission limit of no greater than 10% opacity.
3. Test the emissions for the following pollutant(s) at intervals of 12 months from the date November 28, 1989 and submit a copy of the test data to the Air Section of the Southwest District Office within forty-five days of such testing (Section 17-2.700(2), Florida Administrative Code (F.A.C.)).

| | |
|--|--|
| <input checked="" type="checkbox"/> Particulates | <input type="checkbox"/> Sulfur Oxides |
| <input type="checkbox"/> Fluorides | <input type="checkbox"/> Nitrogen Oxides |
| <input checked="" type="checkbox"/> Opacity | <input type="checkbox"/> Hydrocarbons |

4. Compliance with the emission limitations of Specific Condition No. 2 shall be determined using EPA Methods 1,2,3,5 and 9 contained in 40 CFR 60, Appendix A and adopted by reference in Section 17-2.700, F.A.C. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Section 17-2.700, F.A.C. and 40 CFR 60, Appendix A.

5. Testing of emissions must be accomplished within $\pm 10\%$ of the permitted capacity of 120 tons per hour material input. A compliance test submitted at operating rates less than 90% of the permitted capacity will automatically constitute an amended permit at the lesser rate plus 10% until another test showing compliance at a higher rate is submitted. Failure to submit the input rates and actual operating conditions may invalidate the test (Subsection 403.161(1)(c), Florida Statutes).

6. Test for particulates shall be conducted in the following manner:
 - A. Four baghouse exits will be selected at random by the Department personnel in advance of testing. If the testing requires more than 72 hours, exits originally selected may be replaced by other exits.
 - B. Total gas flow rate to the baghouse will be accurately determined before and after each test run. Each test run will consist of one complete sample from one exit.

PERMITTEE:
Florida Mining & Materials

Permit/Certification No.: A027-169616
Project: Rotary Kiln No. 1

SPECIFIC CONDITIONS:

- C. Each test run will consist of a 48 point test traverse (or less if a longer stack extension is used, Method No. 1 will be used to determine the number of test points).
- D. Each test run will consist of two complete baghouse cycles of 56 minutes each for a total of 112 minutes of sample time for each run. Sampling will be discontinued during the four minute cleaning cycle.
- E. The particulate emissions in pounds per hour will be determined from each stack as well as the kiln feed in tons per hour (dry basis) during the test. The emissions in pounds per ton of kiln feed will be determined as follows:

$$E = \frac{(M)}{(P)} \frac{(V1)}{(V2)}$$

E = Particulate emissions, lbs./ton kiln feed

M = Particulate emissions from the compartment tested, lb/hr

P = Kiln feed, tons/hour (dry basis)

V1 = Total gas flow rate determined at inlet, DSCFH

V2 = Measured gas flow rate from sampled compartment, DSCFH

V1/V2 = Not to exceed 17.5

The emissions will be the average of the results (lbs./ton kiln feed) from the four test runs.

- F. All other requirements of test Methods 1, 2, 3, and 5 remain in effect.
 - G. If reasonable doubt of compliance exists after the tests are conducted using this alternate procedure, stack tests will be required on all baghouse exits.
 - H. Compliance must be met at all times.
7. Test each emission point for visible emissions when stack tests are being conducted.
8. The permittee shall record the daily production rates and kiln feed rates.

PERMITTEE:
Florida Mining & Materials

Permit/Certification No.: A027-169616
Project: Rotary Kiln No. 1

SPECIFIC CONDITIONS:

9. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following:


- (A) Annual amount of materials and/or fuels utilized.
- (B) Annual emissions (provide a copy of the calculation sheet(s) and basis for calculations).
- (C) Any changes in the information contained in the permit application.

10. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Section 17-2.610(3), F.A.C. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling.

11. Four applications to renew this operating permit shall be submitted to the Department sixty (60) days prior to the expiration date of this permit.

Issued this 23 day of Jan
1990

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION

For 
Richard D. Garrity, Ph.D.
Deputy Assistant Secretary
Southwest District

P 938 762 804

RECEIPT FOR CERTIFIED MAIL

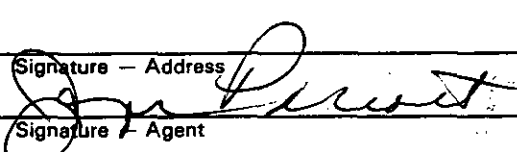
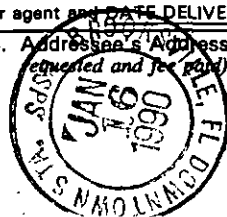
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

| | | |
|---|---|----|
| PS Form 3800, June 1985 | Sent to Mr. Henry E. Andre, FM&M | |
| | Street and No. P. O. Box 6 | |
| | P.O. State and ZIP Code Brooksville, FL 34605-0006 | |
| | Postage | \$ |
| | Certified Fee | |
| | Special Delivery Fee | |
| | Restricted Delivery Fee | |
| | Return Receipt showing to whom and Date Delivered | |
| | Return Receipt showing to whom, Date, and Address of Delivery | |
| | TOTAL Postage and Fees | \$ |
| Postmark or Date Mailed: 1-10-90 Permit: AC 27-169616 | | |

● **SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

| | |
|---|---|
| 3. Article Addressed to: Mr. Henry E. Andre, Vice-Pres. Florida Mining and Materials P. O. Box 6 Brooksville, FL 34605-0006 | 4. Article Number P 938 762 804 |
| | Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise |
| Always obtain signature of addressee or agent and DATE DELIVERED. | |
| 5. Signature - Address X  | 8. Addressee's Address (ONLY if checked and fee paid)  |
| 6. Signature - Agent X | |
| 7. Date of Delivery | |