

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT

In the matter of an  
Application for Permit by:  
  
Florida Mining and Materials  
Post Office Box 6  
Brooksville, Florida 34605-0006

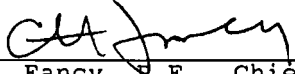
DER File Nos: AC 27-191611  
27-191612  
27-191615  
27-191616  
Hernando County

Enclosed are Permit Numbers AC 27-191611, -191612, -191615, and -191616 to modify kiln No. 1 auxiliary sources at the permittee's facility in Brooksville, Hernando County, Florida, issued pursuant to Section(s) 403, 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 Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

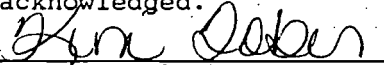
  
C. H. Fancy, P.E., Chief  
Bureau of Air Regulation  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400  
904-488-1344

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on 12-16-91 to the listed persons.

Clerk Stamp

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

  
(Clerk) 12-16-91  
(Date)

Copies furnished to:

W. Thomas, SWD  
J. Tessitore, P.E.

Final Determination

Florida Mining and Materials  
Brooksville, Hernando County, Florida

Modification to Permits for Kiln No. 1 Auxiliary Sources

Permit Numbers:

AC 27-191611  
AC 27-191612  
AC 27-191615  
AC 27-191616

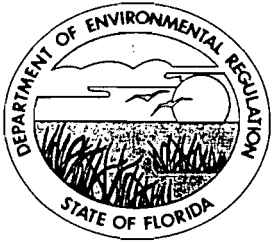
Department of Environmental Regulation  
Division of Air Resources Management  
Bureau of Air Regulation

November 27, 1991

## Final Determination

The Technical Evaluation and Preliminary Determination for the permits to modify kiln No. 1 sources at Florida Mining and Materials' facility near Brooksville, Hernando County, Florida, was distributed on April 4, 1991. The Notice of Intent to Issue was published in The Sun-Journal on April 17, 1991. Copies of the evaluation were available for public inspection at the Department's Tallahassee and Orlando offices.

A hearing request was filed by Paul J. Furman against the Department's Intent to Issue the permits. The hearing request was dismissed by the Department's Office of General Counsel. The final action of the Department will be to issue construction permits AC 27-191611, -191612, -191615, and -191616 as proposed in the Technical Evaluation and Preliminary Determination, except that an EPA Method 5 compliance test will be required for Clinker Cooler No. 1 as specified in the federal New Source Performance Standards.



# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

**PERMITTEE:**

Moore McCormack Resources  
Inc., dba  
Florida Mining & Materials  
P. O. Box 6  
Brooksville, Florida 34605-0006

**Permit Number:** AC 27-191611

**Expiration Date:** Dec. 31, 1992

**County:** Hernando

**Latitude/Longitude:** 28°38'34"N

82°28'25"W

**Project:** Modification of Permit  
for F-18 (Clinker Cooler No. 1)

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code 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 drawings, 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 above No. 1 kiln auxiliary source to increase operating rates from 71 TPH to 84 TPH. 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 January 18, 1991.

PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191611  
Expiration Date: December 31, 1992

**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), 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 & Materials

Permit Number: AC 27-191611  
Expiration Date: December 31, 1992

**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 & Materials

Permit Number: AC 27-191611  
Expiration Date: December 31, 1992

**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 17-730.300, 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.

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.

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,

PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191611  
Expiration Date: December 31, 1991

**GENERAL CONDITIONS:**

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 operation hours shall not exceed 7896.
2. The Clinker Cooler No. 1 feed rate shall not exceed 84 tons/hour.
3. Particulate matter emissions shall not exceed 7.13 lbs/hr and 28.14 tons/year.
4. Visible emissions shall not exceed 10% opacity.
5. Before this permit expires, this source shall be sampled for visible emissions. Test procedures shall be in accordance with DER Method 9. The Department shall be notified in writing 15 days or more prior to the compliance test. The test shall be conducted at permitted production capacity or no less than 90% thereof. Actual production rate during the test shall be reported along with the emission results. Test reports shall be submitted to the Department's Southwest District office within 45 days of compliance test completion.
6. If the Department has reason to believe that the particulate mass emission standard is not being met, the permittee shall be required to demonstrate compliance using EPA Method 5 in accordance with 40 CFR 60, Appendix A.



PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191611  
Expiration Date: December 31, 1991

7. The permittee 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.
8. 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).
9. An application for an operation permit must be submitted to the 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 \_\_\_\_\_, 1991

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

---

STEVE SMALLWOOD, P.E., Director  
Division of Air Resources  
Management

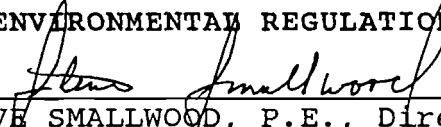
PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191611  
Expiration Date: December 31, 1992

7. 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).
8. An application for an operation permit must be submitted to the 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 13<sup>th</sup> day  
of December, 1991

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
STEVE SMALLWOOD, P.E., Director  
Division of Air Resources  
Management



# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

**PERMITTEE:**

Moore McCormack Resources  
Inc., dba  
Florida Mining & Materials  
P. O. Box 6  
Brooksville, Florida 34605-0006

Permit Number: AC 27-191612

Expiration Date: Dec. 31, 1992

County: Hernando

Latitude/Longitude: 28°38'34"N  
82°28'25"W

Project: Modification of Permit  
for D-31 (Raw Mill No. 1)

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code 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 drawings, 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 above No. 1 kiln auxiliary source to increase operating rates to coincide with the modified operating rates of other auxiliary sources. 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 January 18, 1991.

PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191612  
Expiration Date: December 31, 1992

**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), 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 & Materials

Permit Number: AC 27-191612  
Expiration Date: December 31, 1992

**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 & Materials

Permit Number: AC 27-191612  
Expiration Date: December 31, 1992

**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 17-730.300, 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.

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.
- 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,

PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191612  
Expiration Date: December 31, 1992

**GENERAL CONDITIONS:**

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 operation hours shall not exceed 7896.
2. The Raw Mill No. 1 production rate shall not exceed 145 tons/hour.
3. Particulate matter emissions shall not exceed 1.02 lbs/hr and 4.18 tons/year.
4. Visible emissions shall not exceed 10% opacity.
5. Before this permit expires, this source shall be sampled for visible emissions. Test procedures shall be in accordance with DER Method 9. The Department shall be notified in writing 15 days or more prior to the compliance test. The test shall be conducted at permitted production capacity or no less than 90% thereof. Actual process feed rate during the test shall be reported along with the emission results. Test reports shall be submitted to the Department's Southwest District office within 45 days of compliance test completion.
6. If the Department has reason to believe that the particulate mass emission standard is not being met, the permittee shall be required to demonstrate compliance using EPA Method 5 in accordance with 40 CFR 60, Appendix A.

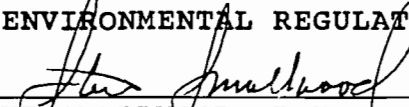
PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191612  
Expiration Date: December 31, 1992

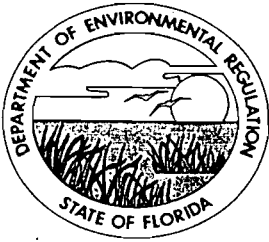
7. The permittee shall comply with all of the applicable provisions and requirements of F.A.C. Chapters 17-2, 17-4, and 40 CFR 60 Subpart F.
8. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).
9. An application for an operation permit must be submitted to the 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 13<sup>th</sup> day  
of December, 1991

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
STEVE SMALLWOOD, P.E., Director  
Division of Air Resources  
Management





# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

**PERMITTEE:**

Moore McCormack Resources  
Inc., dba  
Florida Mining & Materials  
P. O. Box 6  
Brooksville, Florida 34605-0006

Permit Number: AC 27-191615

Expiration Date: Dec. 31, 1992

County: Hernando

Latitude/Longitude: 28°38'34"N

82°28'25"W

Project: Modification of Permit  
for E-36 (Blending & Storage  
Silos)

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code 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 drawings, 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 above No. 1 kiln auxiliary source to coincide with recent changes in operation of No. 1 kiln. 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 January 18, 1991.

PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191615  
Expiration Date: December 31, 1992

**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), 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 & Materials

Permit Number: AC 27-191615  
Expiration Date: December 31, 1992

**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 & Materials

Permit Number: AC 27-191615  
Expiration Date: December 31, 1992

**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 17-730.300, 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.

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.

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,

PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191615  
Expiration Date: December 31, 1992

**GENERAL CONDITIONS:**

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 operation hours shall not exceed 7896.
2. The E-36/Blending and Storage Silo feed rate shall not exceed 135 tons/hour.
3. Particulate matter emissions shall not exceed 1.45 lbs/hr and 5.72 tons/year.
4. Visible emissions shall not exceed 10% opacity.
5. Before this permit expires, this source shall be sampled for visible emissions. Test procedures shall be in accordance with DER Method 9. The Department shall be notified in writing 15 days or more prior to the compliance test. The test shall be conducted at permitted production capacity or no less than 90% thereof. Actual silo feed rate during the test shall be reported along with the emission results. Test reports shall be submitted to the Department's Southwest District office within 45 days of compliance test completion.
6. If the Department has reason to believe that the particulate mass emission standard is not being met, the permittee shall be required to demonstrate compliance using EPA Method 5 in accordance with 40 CFR 60, Appendix A.

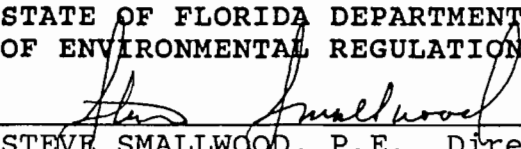
PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191615  
Expiration Date: December 31, 1992

7. The permittee 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.
8. 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).
9. An application for an operation permit must be submitted to the 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 13<sup>th</sup> day  
of December, 1991

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
STEVE SMALLWOOD, P.E., Director  
Division of Air Resources  
Management



# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

<b>PERMITTEE:</b>	<b>Permit Number:</b> AC 27-191616
Moore McCormack Resources	<b>Expiration Date:</b> Dec. 31, 1992
Inc., dba	<b>County:</b> Hernando
Florida Mining & Materials	<b>Latitude/Longitude:</b> 28°38'34"N
P. O. Box 6	82°28'25"W
Brooksville, Florida 34605-0006	<b>Project:</b> Modification of Permit for F-31 (Clinker Storage Silo)

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code 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 drawings, 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 above No. 1 kiln auxiliary source to coincide with recent changes in operation of No. 1 kiln. 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 January 18, 1991.

**PERMITTEE:**  
**Florida Mining & Materials**

**Permit Number: AC 27-191616**  
**Expiration Date: December 31, 1992**

**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), 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 & Materials

Permit Number: AC 27-191616  
Expiration Date: December 31, 1992

**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 & Materials

Permit Number: AC 27-191616  
Expiration Date: December 31, 1992

**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 17-730.300, 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.

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.
- 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,

PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191616  
Expiration Date: December 31, 1992

**GENERAL CONDITIONS:**

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 operation hours shall not exceed 7896.
2. The F-31/Clinker Storage Silo feed rate shall not exceed 84 tons/hour.
3. Particulate matter emissions shall not exceed 1.45 lbs/hr and 5.72 tons/year.
4. Visible emissions shall not exceed 10% opacity.
5. Before this permit expires, this source shall be sampled for visible emissions. Test procedures shall be in accordance with DER Method 9. The Department shall be notified in writing 15 days or more prior to the compliance test. The test shall be conducted at permitted production capacity or no less than 90% thereof. Actual production rate during the test shall be reported along with the emission results. Test reports shall be submitted to the Department's Southwest District office within 45 days of compliance test completion.
6. If the Department has reason to believe that the particulate mass emission standard is not being met, the permittee shall be required to demonstrate compliance using EPA Method 5 in accordance with 40 CFR 60, Appendix A.

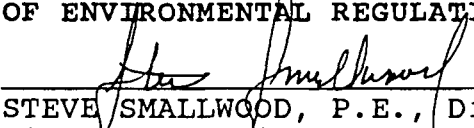
PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191616  
Expiration Date: December 31, 1992

7. The permittee 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.
8. 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).
9. An application for an operation permit must be submitted to the 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 13<sup>th</sup> day  
of December, 1991

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
STEVE SMALLWOOD, P.E., Director  
Division of Air Resources  
Management



State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

# Interoffice Memorandum

TO: Steve Smallwood  
FROM: Clair Fancy *CAF*  
DATE: November 27, 1991  
SUBJ: Approval of Construction Permits AC 27-191611, -191612  
-191615, and -191616 - Florida Mining and Materials

Attached for your approval and signature are permits prepared by the Bureau of Air Regulation for the above mentioned company to modify permits for kiln No. 1 auxiliary sources at their facility near Brooksville, Hernando County, Florida.

A hearing request was filed by a local resident during the public notice period. After review by OGC, the request was denied.

I recommend your approval and signature.

CF/JR/plm

Attachments

DEP ROUTING AND TRANSMITTAL SLIP

TO: (NAME, OFFICE, LOCATION) 3. \_\_\_\_\_  
 1. Jerisa Heron 4. \_\_\_\_\_  
 2. \_\_\_\_\_ 5. \_\_\_\_\_

PLEASE PREPARE REPLY FOR:

- SECRETARY'S SIGNATURE
- DIV/DIST DIR SIGNATURE
- MY SIGNATURE
- YOUR SIGNATURE
- DUE DATE \_\_\_\_\_

ACTION/DISPOSITION

- DISCUSS WITH ME
- COMMENTS/ADVISE
- REVIEW AND RETURN
- SET UP MEETING
- FOR YOUR INFORMATION
- HANDLE APPROPRIATELY
- INITIAL AND FORWARD
- SHARE WITH STAFF
- FOR YOUR FILES

COMMENTS:

*Here is a copy of our incomplete letter regarding the percent moisture.*

**RECEIVED**

OCT 13 2000

BUREAU OF AIR REGULATION

*South down files*

FROM: Ann Quillian DATE: 10/11/00 SC512-1042  
 PHONE: X117



Jeb Bush  
Governor

# Department of Environmental Protection

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

David B. Struhs  
Secretary

October 11, 2000

Mr. Don Kelly  
Plant Manager  
Southdown, Inc.  
P.O. Box 6  
Brooksville, FL 34605-0006

Dear Mr. Kelly:

Re: Application dated July 24, 2000  
Reference Permit Nos. 0530010-003-AC/PSD-FL-233, AC27-258567, AC27-191616,  
AC27-258566, AC27-258568, AC27-258575, AC27-258576, AC27-258577, 0530010-  
004-AC, AC27-258574, 0530010-002-AV  
DEP File Nos. 005 and 006

On September 14, 2000, the Department received your application to modify several permits to address specific emissions units upstream and downstream of the kilns and clinkers. In order to continue processing the application, the Department will need the following additional information pursuant to Rules 62-4.055 and 62-4.070(1), F.A.C.:

1. The AP-42 table referenced, 11.19.2-1, indicates moisture ranges for the study group used for the emissions factors. Please provide additional information regarding the rationale to remove the percent moisture from Condition 2.2(b) of Air Construction Permit 0530010-003-AC/PSD-FL-233. Also, please provide more applicable information regarding the definition of wet materials as well as percent moisture data available of the dry materials and coal stored on the Brooksville site.

Southdown, Inc.  
Brooksville Plant  
October 11, 2000

Page 2 of 2

NOTE - Rule 62-4.050, F.A.C. requires applications of this type must be certified by a professional engineer registered in the State of Florida. This requirement also applies to responses to Department requests for additional information of an engineering nature. Therefore, your response to the above requests should be certified by a professional engineer.

Your response should be submitted by November 22, 2000. If you have any questions, please let me know at (813)744-6100 x117.

Sincerely,

A handwritten signature in cursive script, appearing to read "Ann Quillian".

Ann Quillian, P.E.  
Air Permitting Engineer

cc: Steven Cullen, P.E., Koogler & Associates  
Teresa Heron, FDEP, NSR, Tallahassee



→ p 5/5

Check Sheet

Company Name: FMM  
Permit Number: A 27 - 19/609  
PSD Number:  
County:  
Permit Engineer:  
Others involved:

612  
613  
611  
615  
610

Application:

- Initial Application
- Incompleteness Letters
- Responses
- Final Application (if applicable)
- Waiver of Department Action
- Department Response
- Other

Intent:

- Intent to Issue
- Notice to Public
- Technical Evaluation
- BACT Determination
- Unsigned Permit
- Correspondence with:
  - EPA
  - Park Services
  - County
  - Other
- Proof of Publication
- Petitions - (Related to extensions, hearings, etc.)
- Other

Final Determination:

- Final Determination
- Signed Permit
- BACT Determination
- Other

11  
12  
15  
16

Post Permit Correspondence:

- Extensions
- Amendments/Modifications
- Response from EPA
- Response from County
- Response from Park Services
- Other



CROSS/TESSITORE & ASSOCIATES, P.A.

4763 S. CONWAY ROAD, SUITE F  
ORLANDO, FLORIDA 32812  
407/851-1484

January 7, 1991

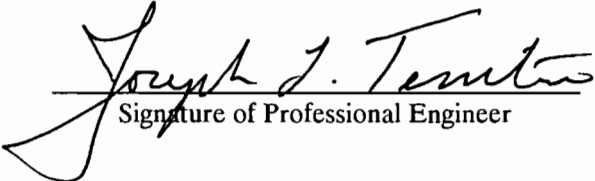
Mr. Bruce Mitchell  
Division of Air Resources Management  
Permitting and Standards Section  
Florida Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

Subject: Florida Mining and Materials Kiln No. 1  
Permit # AO27-169616  
C/TA # F03.182

Dear Mr. Mitchell:

I have reviewed the history of the source, and based on this review and my discussions with Florida Mining and Materials management, I have concluded that to the best of my knowledge, Kiln No. 1 has not undergone a "Major Modification" as defined in 40 CFR 52.21 (b) (2) (i) or "Modification" as defined in F.A.C. Rule 17-2.100 (127), and will not require a "Major Modification" or "Modification", as defined above, to increase the Kiln No. 1 feed rate from 120 ton/hr to 130 ton/hr.

Joseph L. Tessitore, P.E., Vice Pres.  
Name of Person Signing

  
Signature of Professional Engineer

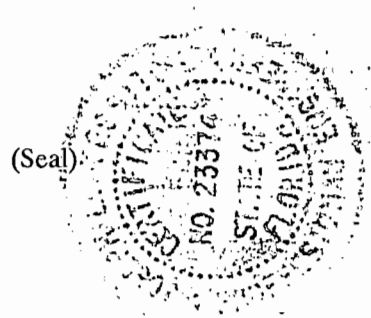
Cross/Tessitore & Associates, P.A.  
Company Name

Florida Registration No. 23374

4763 S. Conway Rd., Orlando, FL 32812  
Mailing Address

Date: January 7, 1991

Telephone #: (407) 851-1484



JLT/kp  
C5539.Doc

**CROSS/TESSITORE & ASSOCIATES, P.A.**  
 4763 South Conway Road, Suite F.  
 Orlando, Florida 32812

Telephone: 407-851-1484  
 Fax#: 407-855-0369

C/TA PROJECT NUMBER: F03.182

**URGENT FACSIMILE DOCUMENT**

ATTN: BRUCE MITCHELL FAX#: 904-487-4938

FROM: KAY RYKOWSKI FAX#: 407-855-0369

SUBJECT: FM&M NO. 1 KILN

DATE: JANUARY 3, 1991

NO. OF PAGES (INCLUDING THIS SHEET): 2 HARD COPY TO FOLLOW X  
 YES NO

Dear Mr. Mitchell:

The following is a revised Table III-2 (p. 16), as you requested for the Application to Amend Permit # AO27-169616 for Utilization of Flolite in Kiln No. 1. The original table included correct figures but incorrect units for No. 6 Diesel Oil Usage Rates, as we discussed yesterday. A hard copy of this table will be submitted for your review.

*Patricia Kay Rykowski*

Patricia Kay Rykowski  
 Project Engineer

cc: Bruce Mitchell  
 Bill Thomas/Harry Kerrns SW Dist. } 1-3-91 RA

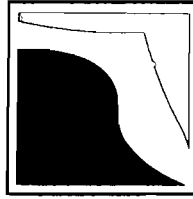
TABLE III-2

## FUELS DATA

Fuel Type	Heat Capacity	Sulfur Content <sup>2</sup>	Maximum Usage Rate	Maximum Heat Input (Btu/hr)
<b>Current:</b>				
Coal	12,500 Btu/lb	1.0 %	12 T/hr	$3.0 \times 10^8$
No. 6 Diesel Oil	152,000 Btu/gal	0.77 %	1974 gal/hr	$3.0 \times 10^8$
<b>Proposed:</b>				
Flolite <sup>1</sup>	145,000 Btu/gal	1.0 %	2069 gal/hr	$3.0 \times 10^8$
Coal	12,500 Btu/lb	1.0 %	12 T/hr	$3.0 \times 10^8$
No. 6 Diesel Oil	152,000 Btu/gal	0.77 %	1974 gal/hr	$3.0 \times 10^8$

(1) Flolite would be mainly used during start-up of kiln operations and during periods when raw materials feed is stopped and kiln temperature must be maintained, and Flolite is normally used only as a substitute for coal. In cases where Flolite and coal are used concurrently, the maximum heat input rate will not exceed  $3.0 \times 10^8$  Btu/hr.

(2) Values shown are approximate.



## FLORIDA MINING & MATERIALS

CONSTRUCTION MATERIALS DIVISION

P. O. BOX 6, BROOKSVILLE, FLORIDA 34605-0006  
TELEPHONE (904) 796-7241

C. M. COLEMAN, JR.  
VICE PRESIDENT & GENERAL MANAGER

RECEIVED  
DEC 14 1990  
DER - BAQM

December 12, 1990

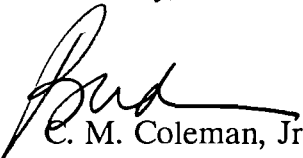
Mr. C. H. Fancy, P.E.  
Chief, Bureau of Air Regulation  
Florida Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Dear Clair:

Thanks for the opportunity to visit with you, Steve, and Bruce yesterday on the various permits before the Department. I recognize Florida Mining's needs are adding to your extremely heavy workload and appreciate the effort and cooperation from all of you.

Please excuse the emotional outburst at day's end. I am normally very patient when confronting the complexities of permitting, but my frustrations surfaced yesterday. I do hope you and Bruce will excuse my poor behavior. I was out of line.

Sincerely,

  
C. M. Coleman, Jr.

CMC,Jr:gm

cc: Peter Cunningham  
Diane Schenke  
Joe Tessitore

P 832 539 857



**Certified Mail Receipt**

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

PS Form 3800, June 1990

Sent to Mr. Don Kelly, Plant Mgr. Florida Mining & Materials P.O. Box 6 Brooksville, FL 34605-0006	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$
Postmark or Date mailed: 07/03/91 AC 27-186923 PATS (MM) 1 AC 27-199175	

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- 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 next to the article number.

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

1.  Addressee's Address
2.  Restricted Delivery  
Consult postmaster for fee.

3. Article Addressed to:  
Mr. Don Kelly, Plant Mgr.  
Florida Mining & Materials  
P.O. Box 6  
Brooksville, Florida 34605-0006

4a. Article Number  
P 832 539 857

4b. Service Type  
 Registered     Insured  
 Certified     COD  
 Express Mail     Return Receipt for Merchandise

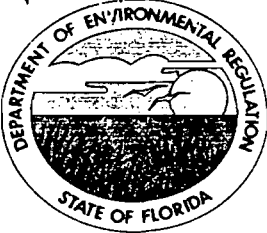
7. Date of Delivery  
7-5-91 (SU)

5. Signature (Addressee)  
*Don Kelly*

6. Signature (Agent)  
*Bob Jack*

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

File Copy



# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

June 25, 1991

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Don Kelly  
Plant Manager  
Florida Mining & Materials  
Post Office Box 6  
Brooksville, Florida 34605-0006

Dear Mr. Kelly:

Re: Request to Construct a Common Stack for the No. 1 Cement Kiln: AC 27-186923

The Department has reviewed Mr. Joseph L. Tessitore's letter with enclosure received June 6, 1991, requesting approval to construct a common stack for the No. 1 Cement Kiln. The Department does not object to the request. However, you will not be able to take credit for the increased plume rise by combining the 16 baghouse system flues (i.e., in any future modeling demonstration).

Attachment to be Incorporated:

- o Mr. Joseph L. Tessitore's letter with enclosure received June 6, 1991.

This letter shall be attached to the above referenced construction permit, No. AC 27-186923, and shall become a part of the permit.

Sincerely,

STEVE SMALLWOOD, P.E.  
Director  
Division of Air Resources  
Management

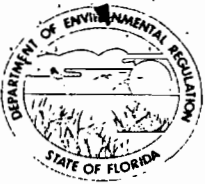
CHF/BM/rbm

Attachment

- c: B. Thomas, SW District
- J. Tessitore, P.E., C/TA FAX'd 7/2/91
- C. Hetrick, HCBCC
- T. Rogers, DER
- G. Smallridge, Esq., DER

*Read file  
Board Meeting } 7-3-91*

Frank McDowell, HC Building Dept. FAX'd 7/5/91 RAN (also, called the HCBDD when sent) (904) 754-4082



State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

# Interoffice Memorandum

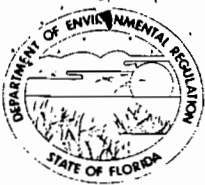
TO: Steve Smallwood  
FROM: Clair Fancy *CAF*  
DATE: June 25, 1991  
SUBJ: Amendment to Construction Permit No. AC 27-186923  
No. 1 Cement Kiln  
Florida Mining & Materials

Attached for your approval and signature is a letter that will amend the above referenced construction permit issued to Florida Mining & Materials. There is no controversy regarding this action.

I recommend your approval and signature.

CF/BM/rbm





State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

# Interoffice Memorandum

TO: Steve Smallwood

FROM: Clair Fancy *[Signature]*

DATE: June 13, 1991

SUBJ: Amendment to Construction Permit No. AC 27-186923  
No. 1 Cement Kiln  
Florida Mining & Materials

Attached for your approval and signature is a letter that will amend the above referenced construction permit issued to Florida Mining & Materials. There is no controversy regarding this action.

I recommend your approval and signature.

CF/BM/rbm

*BDA -  
Correct type - have  
meteorologist explain  
plume rise issues - Steve*

*situation like CCA where  
they would need wind  
tunnel study to take credit  
above existing height. Company  
has no problem with statement  
that they cannot take credit.  
Combining 16 stacks is so they  
can do testing on burning waste*

*Clair*



CROSS/TESSITORE & ASSOCIATES, P.A.

4763 S. CONWAY ROAD, SUITE F  
ORLANDO, FLORIDA 32812  
407/851-1484

RECEIVED

JUN 6 - 1991

June 4, 1991

Bureau of  
Air Regulation

Mr. C.H. Fancy, P.E.  
Chief  
Bureau of Air Regulation  
Florida Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Subject: Florida Mining and Materials  
No. 1 Cement Kiln, Permit AC27-186923  
(C/TA # F03.360)

Dear Mr. Fancy:

This letter is submitted as a request to modify the subject construction permit.

Currently, the Florida Mining & Materials (FM&M) No. 1 Cement Kiln, located at the Brooksville, facility, discharges exhaust gases to the atmosphere via sixteen vents located on the fabric filter. FM&M proposes to construct a common stack for ducting exhaust gases from the sixteen vents to the atmosphere. This modification will facilitate stack testing of the No. 1 Cement Kiln and will also increase atmospheric dispersion of kiln exhaust gases. The proposed stack height is 150 feet, which would increase from the current vent discharge height of 70 feet.

The following attachments are included as supplemental information for this request:

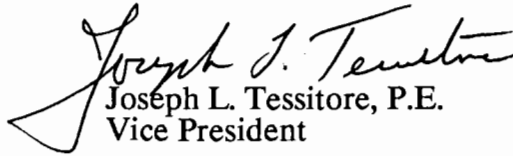
1. Pages 1 and 2 of the permit application form providing statements by the applicant and engineer.
2. Page 6 of the permit application form providing revised stack geometry.
3. General arrangement drawing by Penta Engineering Corporation providing stack geometry, test port locations and general design information.

		QUESTIONS? CALL 800-238-5355 TOLL FREE		AIRBILL PACKAGE TRACKING NUMBER <b>8851650732</b>	
1094 <b>8851650732</b>		Date <b>6/5/91</b>		<b>RECIPIENT'S COPY</b>	
From (Your Name) Please Print <b>Patricia Kay Rykowski</b>		Your Phone Number (Very Important) <b>(407) 851-1484</b>		To (Recipient's Name) Please Print <b>C.H. Fancy, P.E. Chief</b>	
Company <b>GSS-TESSITURE &amp; ASSOCIATES</b>		Department/Floor No.		Company <b>FDER - Bureau of Air Regulation</b>	
Street Address <b>63 S CONWAY RD STE F</b>		Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes) <b>2600 Blair Stone Rd. Twin Towers</b>		City State ZIP Required <b>Tallahassee, FL 32399-2400</b>	
City State ZIP Required <b>LANDO FL 32012</b>		City State ZIP Required <b>Tallahassee, FL 32399-2400</b>		YOUR INTERNAL BILLING REFERENCE INFORMATION (First 24 characters will appear on invoice.) <b>F03.360</b>	
PAYMENT <input type="checkbox"/> Bill Sender <input type="checkbox"/> Bill Recipient's FedEx Acct. No. <input type="checkbox"/> Bill 3rd Party FedEx Acct. No. <input type="checkbox"/> Bill Credit Card		IF HOLD FOR PICK-UP, Print FEDEX Address Here Street Address City State ZIP Required		City State ZIP Required	
SERVICES (Check only one box)		DELIVERY AND SPECIAL HANDLING (Check services required)		FEDERAL EXPRESS USE	
Priority Overnight Service (Delivery by next business morning) Standard Overnight Service (Delivery by next business afternoon) Economy Two-Day Service (formerly Standard Air) (Delivery by second business day) Heavyweight Service (for Extra Large or any package over 150 lbs) DEFERRED HEAVYWEIGHT		1 <input type="checkbox"/> HOLD FOR PICK-UP (Fill in Box #) 2 <input checked="" type="checkbox"/> DELIVER WEEKDAY 3 <input type="checkbox"/> DELIVER SATURDAY (Extra charge) (Not available to all locations) 4 <input type="checkbox"/> DANGEROUS GOODS (Extra charge) 5 <input type="checkbox"/> 6 <input checked="" type="checkbox"/> DRY ICE Lbs. 7 <input type="checkbox"/> OTHER SPECIAL SERVICE 8 <input type="checkbox"/> 9 <input type="checkbox"/> SATURDAY PICK-UP (Extra charge) 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input checked="" type="checkbox"/> HOLIDAY DELIVERY (if observed) (Extra charge)		Packages WEIGHT in Pounds Only YOUR DECLARED VALUE Total Total Total DIM SHIPMENT (Chargeable Weight) / lbs. Received At: 1 <input type="checkbox"/> Regular Stop 2 <input type="checkbox"/> On-Call Stop 3 <input type="checkbox"/> Drop Box 4 <input type="checkbox"/> B.S.C. 5 <input type="checkbox"/> Station FedEx Emp. No.	
11 <input type="checkbox"/> YOUR PACKAGING 16 <input type="checkbox"/> FEDEX LETTER 12 <input checked="" type="checkbox"/> FEDEX PAK 13 <input type="checkbox"/> FEDEX BOX 14 <input type="checkbox"/> FEDEX TUBE		51 <input checked="" type="checkbox"/> 52 <input type="checkbox"/> FEDEX PAK 53 <input type="checkbox"/> FEDEX BOX 54 <input type="checkbox"/> FEDEX TUBE 70 <input type="checkbox"/> HEAVYWEIGHT 80 <input type="checkbox"/> DEFERRED HEAVYWEIGHT		Emp. No. Date Federal Express Use <input type="checkbox"/> Cash Received <input type="checkbox"/> Return Shipment <input type="checkbox"/> Third Party <input type="checkbox"/> Chg. To Del. <input type="checkbox"/> Chg. To Hold Street Address City State Zip Received By: X Date/Time Received FedEx Employee Number Release Signature Date/Time	
30 <input type="checkbox"/> ECONOMY TWO-DAY SVC (Delivery commitment may be later in some areas)		52 <input type="checkbox"/> FEDEX LETTER 53 <input type="checkbox"/> FEDEX BOX 54 <input type="checkbox"/> FEDEX TUBE 70 <input type="checkbox"/> HEAVYWEIGHT 80 <input type="checkbox"/> DEFERRED HEAVYWEIGHT		ReVISION DATE 6/90 PART # 119501 NCREC 8/90 FORMAT #041 <b>041</b> © 1990 F.E.C. PRINTED IN U.S.A.	

It should be noted that this modification does not result in a change in source emission rates, process rates, or fuel consumption.

Please do not hesitate to contact me should you have any questions or comments regarding this information.

Sincerely,

  
Joseph L. Tessitore, P.E.  
Vice President

JLT/dlk  
Enc.: a/s  
cc: C.M. Coleman  
Michael VonSeebach  
C0082.Doc

Department of Environmental Regulation  
**Routing and Transmittal Slip**

To: (Name, Office, Location)

1. *Bruce*
- 2.
- 3.
- 4.

Remarks:

*Looks OK, but applicant cannot  
take credit for any increased plume  
rise by combining the 16 flues.  
(i.e., in any future modeling demonstration)*

From

*Tom*

Date

Phone



DER Form #	_____
Form Title	_____
Effective Date	_____
DER Application No.	_____
Filed in by DER	_____

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Portland Cement Plant [ ] New<sup>1</sup> [x] Existing<sup>1</sup>  
 APPLICATION TYPE: [ ] Construction [ ] Operation [x] Modification  
 COMPANY NAME: Southdown Inc. d/b/a Florida Mining & Materials COUNTY: Hernando  
 Identify the specific emission point source(s) addressed in this application (i.e. Lime  
 Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) No. 1 Cement Kiln  
 SOURCE LOCATION: Street 16301 Ponce Deleon Boulevard City Brooksville  
 UTM: East 17-356.00 North 3169.89  
 Latitude 28 ° 38 ' 34 "N Longitude 82 ° 28 ' 25 "W  
 APPLICANT NAME AND TITLE: C.M. Coleman, Jr. Vice President and General Manager  
 APPLICANT ADDRESS: P.O. Box 6, Brooksville, Florida 34605-0006

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of Southdown Inc. d/b/a Florida Mining & Materials

I certify that the statements made in this application for a Modification permit are true, correct and complete to the best of my knowledge and belief. Further I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permit establishment.

\*Attach letter of authorization

Signed: [Signature]  
 General  
C.M. Coleman, Jr. Vice President & Manager  
 Name and Title (Please Type)  
 Date: 6/5/91 Telephone No. (904) 796-7241

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in this permit application. There is reasonable assurance, in my professional judgment, that the project will comply with the requirements of the permit.

<sup>1</sup> See Florida Administrative Code Rule 17-2.100(57) and (104)

the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.

Signed Joseph L. Tessitore

Joseph L. Tessitore, P. E.  
Name (Please Type)

Cross/Tessitore and Associates, P.A.  
Company Name (Please Type)

4763 S. Conway Road, Orlando, Florida 32812  
Mailing Address (Please Type)

Florida Registration No. 23374 Date: 6/4/91 Telephone No. (407)851-1484

**SECTION II: GENERAL PROJECT INFORMATION**

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

See Attached Project Description

B. Schedule of project covered in this application (Construction Permit Application Only)

Start of Construction June 1991 Completion of Construction August 1991

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

Stack Modification Cost \$ 1,300,000

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

See Attached Table II-1

## **PROJECT DESCRIPTION**

Florida Mining & Materials (FM&M) No. 1 Cement Kiln, located at the Brooksville, facility, discharges exhaust gases to the atmosphere via sixteen vents located on the fabric filter. FM&M proposes to construct a common stack for ducting exhaust gases from the sixteen vents to the atmosphere. This modification will facilitate stack testing of the No. 1 Cement Kiln and will also increase atmospheric dispersion of kiln exhaust gases. The proposed stack height is 150 feet, which would increase from the current vent discharge height of 70 feet.



**TABLE II-1**  
**PERMITTING AND COMPLIANCE ACTIVITIES**

<u>Activity</u>	<u>Number</u>	<u>Issued</u>	<u>Expired</u>
Construction Permit	AC27-2255	December 18, 1973	March 1, 1976
Construction Permit Extension	AC27-2255	--	--
Operating Permit	A027-20213	August 13, 1979	August 7, 1984
Operating Permit	A027-89814	October 5, 1984	October 3, 1989
Operating Permit	A027-169616	January 24, 1990	January 18, 1995
Construction Permit	AC27-186923	January 18, 1991	December 31, 1991

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: 150 ft. Stack Diameter: 13.0 ft.  
 Gas Flow Rate: 275,000 ACFM 175,400 DSCFM Gas Exit Temperature: 285 °F.  
 Water Vapor Content: ~ 10 % Velocity: 34.5 FPS

SECTION IV: INCINERATOR INFORMATION  
 NOT APPLICABLE

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated			NOT APPLICABLE				
Uncontrolled (lbs/hr)							

Description of Waste \_\_\_\_\_

Total Weight Incinerated (lbs/hr) \_\_\_\_\_ Design Capacity (lbs/hr) \_\_\_\_\_

Approximate Number of Hours of Operation per day \_\_\_\_\_ day/wk \_\_\_\_\_ wks/yr. \_\_\_\_\_

Manufacturer \_\_\_\_\_

Date Constructed \_\_\_\_\_ Model No. \_\_\_\_\_

	Volume (ft) <sup>3</sup>	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber		NOT APPLICABLE			
Secondary Chamber					

Stack Height: \_\_\_\_\_ ft. Stack Diameter: \_\_\_\_\_ Stack Temp. \_\_\_\_\_

Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ DSCFM\* Velocity: \_\_\_\_\_ FPS

\*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device:  Cyclone  Wet Scrubber  Afterburner  
 Other (specify) \_\_\_\_\_

CROSS/TESSITORE & ASSOCIATES, P.A.  
4763 South Conway Road, Suite F.  
Orlando, Florida 32812

Telephone: 407-851-1484  
Fax#: 407-855-0369

C/TA PROJECT NUMBER: F03360

URGENT FACSIMILE DOCUMENT

ATTN: Bruce Mirrett FAX#: 904.487.4938

FROM: Kay Rykowski FAX#: 407-855-0369

SUBJECT: FLORIDA MINING & MATERIALS

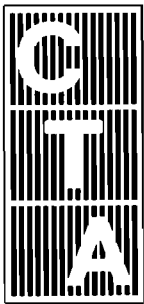
DATE: 7/2/91

NO. OF PAGES (INCLUDING THIS SHEET): 3 HARD COPY TO FOLLOW YES NO

RECEIVED

JUL 2 1991

Office of the Secretary



PM  
2-28-91  
Orlando, FL  
BEST AVAILABLE COPY  
File Copy

CROSS/TESSITORE & ASSOCIATES, P.A.

4763 S. CONWAY ROAD, SUITE F  
ORLANDO, FLORIDA 32812  
407/851-1484

RECEIVED  
MAR 05 1991  
DER-BAQH

February 28, 1991

Mr. Bruce Mitchell  
Bureau of Air Regulation  
Florida Department of Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Subject: DER File No. AC27-186923  
C/TA # F03.182

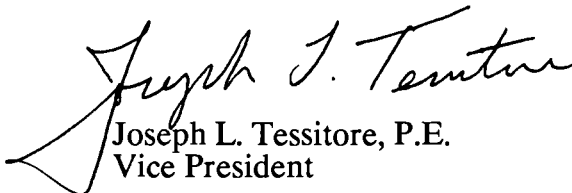
Dear Mr. Mitchell:

This letter is regarding the Technical Evaluation and Preliminary Determination issued to Florida Mining and Materials for Construction Permit No. AC27-186923. This document was issued by the Department in response to the application submitted to amend the current Operating Permit No. AO27-169616 for the No. 1 Cement Kiln to increase production rate and utilize flolite (re-refined oil) as a supplemental fuel.

The Technical Evaluation and Preliminary Determination includes conditions for not only the No. 1 Cement Kiln but also the No. 1 Clinker Cooler. The clinker cooler is a separate source and currently the subject of an Application for Modification which is being reviewed by John Reynolds. The clinker cooler has always been permitted separately from the kiln and FM&M does not wish to combine the two at this time. We, therefore, request that any reference to the clinker cooler in the Permit No. AC27-186923 should be deleted.

Please do not hesitate to contact me should you have any questions or comments.

Sincerely,

  
Joseph L. Tessitore, P.E.  
Vice President

JLT/kp  
cc: Hank Andre/FM&M  
C5582.Doc

CROSS/TESSITORE & ASSOCIATES, P.A.

4763 South Conway Road, Suite F.  
Orlando, Florida 32812

Telephone: 407-851-1484

Fax#: 407-855-0369

C/TA PROJECT NUMBER: F03.182

URGENT FACSIMILE DOCUMENT

ATTN: MR. BRUCE MITCHELL

FAX#: 904-487-4938

FROM: MR. JOSEPH TESSITORE

FAX#: 407-855-0369

SUBJECT: FLORIDA MINING AND MATERIALS

DATE: FEBRUARY 28, 1991

NO. OF PAGES (INCLUDING THIS SHEET): 2 HARD COPY TO FOLLOW X

YES NO

RECEIVED

MAR 01 1991

DER-BAQM

Department of Environmental Regulation  
**Routing and Transmittal Slip**

To: (Name, Office, Location)

1.

*Bruce Mitchell*

2.

3.

4.

Remarks:

RECEIVED

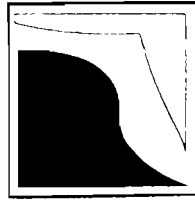
MAR 01 1991

DER-BAQM

From:

Date

Phone



**FLORIDA MINING & MATERIALS**

A SOUTHDOWN COMPANY

P. O. BOX 6, BROOKSVILLE, FLORIDA 34605-0006  
TELEPHONE (904) 796-7241

RECEIVED

FEB 1 1991

DER-BAQM

January 30, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. C.H. Fancy, P.E. Chief  
Bureau of Air Regulations  
Florida Dept. of Environmental Regulations  
Twin Towers Office Bldg.  
Tallahassee, FL 32399-2400

Dear Fancy:

Attache is the Affidavit of Legal Publication,  
published in the Sun Journal on Jan. 29, 1991.  
This Intent to Issue was for the modification to  
Florida Mining's #1 Kiln Permit to burn re-refined  
oil.

Sincerely,



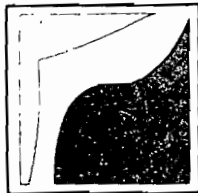
Ralph E. Shepard  
Manager Environmental Affairs

RES/jp

cc: Hank Andre  
Don Kelly  
Joe Tessitore  
*B. Mitchell*  
*B. Thomas*

**MINING & MATERIALS**

3, BROOKSVILLE, FLORIDA 34605-0006



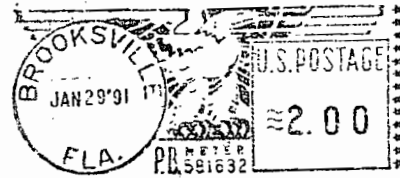
fold at line over top of envelope to the right  
of the return address

**CERTIFIED**

P 237 527 352

**MAIL**

Mr. C.H. Fancy, P.E. Chief  
Bureau of Air Regulations  
Florida Dept. of Environmental Regulations  
Twin Towers Office Bldg.  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400



**BROCO CEMENTS**  
Made in USA by  
**FLORIDA MINING**  
& **MATERIALS CORP.**





AFFIDAVIT OF LEGAL PUBLICATION

The Sun-Journal
Published Tuesday thru Saturday
Brooksville, Hernando, Florida
STATE OF FLORIDA
COUNTY OF HERNANDO

Before the undersigned authority personally appeared
E.A.Nichols, Jr., who on oath says he is General Manager of the
Sun-Journal, a daily newspaper published at 703 Lamar Ave.,
Brooksville in Hernando County, Florida; that the attached copy
of advertisement, being a legal advertisement in

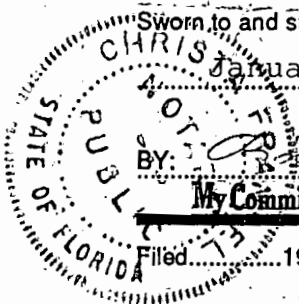
the matter of Notice of Intent
in the Court
was published in said newspaper in the Issues of
1-29

Affiant says that the said Sun-Journal is a newspaper
published at 703 Lamar Ave., Brooksville, in said Hernando
County, Florida, and that said newspaper has heretofore been
continuously published in said Hernando County, Florida, each
Tuesday thru Saturday and has been entered as second-class
mail matter at the post office in Brooksville, in said Hernando
County, Florida, for a period of 1 year next preceding the first
publication of the attached copy of advertisement; and further
says that he has neither paid nor promised any person, firm or
corporation any discount, rebate, commission or refund for the
purpose of securing this advertisement for publication in the said
newspaper.

[Handwritten signature of E.A. Nichols, Jr.]

E.A. Nichols, Jr.
General Manager, The Sun-Journal

Sworn to and subscribed before me this 29th day of
January 1991 A.D.



BY: [Handwritten signature of Chris A. Frausel]
Notary Public
My Commission Expires Mar. 2, 1992

Filed 19 at O'clock M. and Recorded in
Book No., Page

Record Verified

Clerk, Court, Hernando County, FL

By D.C.

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

The Department of Environ-
mental 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 the No. 1 kiln at
their cement plant to be al-
lowed to burn re-refined oil
(Flolite) during startup, idle
times, and as a limited sup-
plemental fuel with coal. No. 6
fuel oil will be used as a
backup fuel only. A determina-
tion of Best Available Control
Technology (BACT) was not
required. The applicant's facil-
ity 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 pe-
titioner, 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 ac-
tion or proposed action;
(c) A statement of how each
petitioner's substantial inter-
ests are affected by the De-
partment'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 pro-
posed 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 Depart-
ment's action or proposed ac-
tion.

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 offi-
cer upon motion filed pursuant
to Rule 28-5.207, F.A.C.

The application is available for
public inspection during busi-
ness 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. Barry Andrews at
the Department's Tallahassee
address. All comments mailed
within 14 days of the publica-
tion of this notice will be con-
sidered in the Department's fi-
nal determination.
PUBLISH: Jan. 29, 1991

P 407 853 131

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, June 1985  
\*U.S.G.P.O. 1989-234-555

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: 1-22-91 Permit: AC 27-186923	

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 Post Office Box 6 Brooksville, FL 34605-0006	4. Article Number P 407 853 131 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 - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>[Signature]</i>	
7. Date of Delivery <i>[Signature]</i>	





# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

January 18, 1991

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

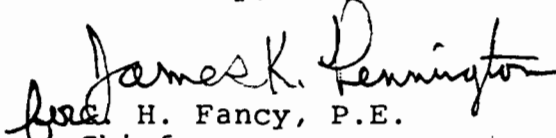
Mr. Henry E. Andre, Vice-President  
Florida Mining and Materials  
Post Office Box 6  
Brooksville, Florida 34605-0006

Dear Mr. Andre:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit for Florida Mining and Materials (FM&M) to modify the No. 1 kiln to be allowed to burn a re-refined oil (Flolite) for startup, idle times, and as a limited supplemental fuel with coal. No. 6 fuel oil will be used as a backup fuel only. The project will occur at FM&M's facility near Brooksville, Hernando County, Florida.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Mr. Barry Andrews of the Bureau of Air Regulation.

Sincerely,

  
James K. Pennington  
Chief  
Bureau of Air Regulation

CHF/BM/plm

Attachments

c: B. Thomas, SW Dist.  
J. Tessitore, P.E.  
C. Hetrick, HCBC

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 27-186923

---

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 25, 1990, to the Department of Environmental Regulation for a permit to modify the No. 1 kiln at their cement plant to be allowed to burn re-refined oil (Flolite) during startup, idle times, and as a limited supplemental fuel with coal. No. 6 fuel oil will be used as a backup fuel 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

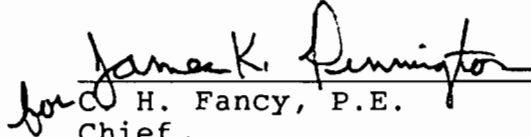
(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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

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

Copies furnished to:

B. Thomas, SW Dist.  
J. Tessitore, P.E.  
C. Hetrick, HCBCC

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 1-22-91.

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

*Kenn Joper*  
Clerk

1-22-91  
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 the No. 1 kiln at their cement plant to be allowed to burn re-refined oil (Flolite) during startup, idle times, and as a limited supplemental fuel with coal. No. 6 fuel oil will be used as a backup fuel 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. Barry Andrews 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

Construction Permit  
No. AC 27-186923

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

January 18, 1991

I. Application

A. Applicant

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

B. Project

The Department received an application on September 25, 1990, for a permit to modify the No. 1 kiln to be allowed to burn Flolite (blend of virgin and re-refined oils) for startup, idle times, and as a limited supplemental fuel with coal at the applicant's cement plant in Brooksville, Florida. It is proposed to burn the Flolite in place of the currently permitted No. 6 fuel oil in the No. 1 kiln. Flolite will be used for no more than 250 hours per year. The No. 6 fuel oil will be used 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. Specification data for Flolite indicate no need for concern about excessive emissions of toxics or metals.

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. Rule Applicability

The construction permit application is subject to review under Chapter 403, Florida Statutes, Florida Administrative Code (F.A.C.) Chapters 17-2 and 17-4, and 40 CFR (July, 1989 version).

The application package was deemed complete on January 10, 1991.

The facility is located in an area classified as attainment for each of the regulated air pollutants pursuant to Part IV, F.A.C. Chapter 17-2.

A construction permit (AC 27-2255) was issued for the No. 1 kiln and its associated equipment on December 18, 1973. The new source performance standards (NSPS) for portland cement plants (40 CFR 60, Subpart F) was promulgated with an effective date of August 17, 1971. Consequently, the No. 1 kiln and its associated equipment (i.e., clinker cooler, etc.) are subject to the standards of this NSPS.

FM&M claims that the No. 1 kiln and its associated equipment have not been modified since the original construction (see FM&M's letter dated January 9, 1991) nor since January 6, 1975. The definition of "modification" (F.A.C. Rule 17-2.100(127)(b)) establishes that an increase in a production rate would not be a "modification" unless a federally enforceable condition was established after January 6, 1975, to prevent such an increase. There has not been another construction permit issued since the one issued on December 18, 1973. Therefore, the Department will be issuing a construction permit to establish federally enforceable conditions for the No. 1 kiln and its associated equipment.

Since Flolite was not a permitted fuel in the original construction permit, the permittee will be required to conduct mass emissions tests for PM, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub>, VOC, and CO on the No. 1 kiln while firing Flolite in the proposed various operating modes. The compliance test methods shall be in accordance with F.A.C. Rule 17-2.700 and 40 CFR (July, 1989 version). Also, due to potential heavy metals, an ultimate analysis of the particulate filter will be required.

Since the proposed project is not subject to new source review pursuant to F.A.C. Rule 17-2.500(5), Prevention of Significant Deterioration (PSD), the potential pollutant emissions will be reviewed in accordance with F.A.C. Rule 17-2.520, Sources Not Subject to PSD or Nonattainment Requirements.

The No. 1 kiln and its associated equipment are subject to the applicable provisions of F.A.C. Rules 17-2.240: Circumvention; 17-2.250: Excess Emissions; 17-4.130: Plant Operations-Problems; and, 17-2.660: Standards of Performance for New Stationary Sources, 40 CFR 60, Subpart F, Portland Cement Plants.

### III. Summary of Emissions

#### A. Emission Limitations

The regulated pollutant emissions from the project are particulate matter (PM) and visible emissions (VE) and are as follows:

Table 1

Source	Pollutant	Maximum Standard/Limitation
No. 1 kiln	PM	0.15 kg/metric ton feed (dry basis) to the kiln (0.3 lb/ton; 39.0 lbs/hr, 169.8 tons/yr)
	VE	not greater than 20% opacity
No. 1 Clinker Cooler	PM	0.050 kg/metric ton feed (dry basis) to the kiln (0.1 lb/ton; 13.0 lbs/hr, 56.6 tons/yr)
	VE	less than 10% opacity
Other sources	VE	less than 10% opacity

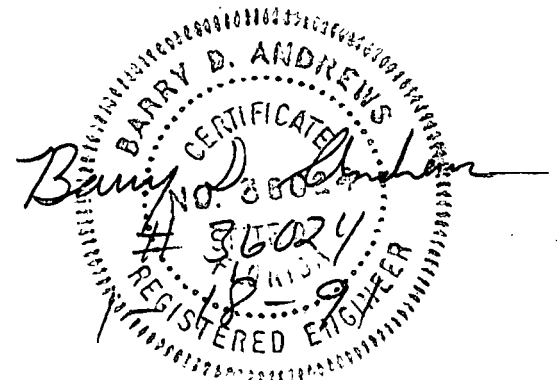
Note: Emission limitations based on 130.0 tons/hr feed (dry basis) to the kiln and compliance with 40 CFR 60.61 (July, 1989 version)

B. Air Quality Analysis

From a technical review of the application package and supplementary information, an air quality analysis is not required.

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.





# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

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

Permit Number: AC 27-186923  
Expiration Date: December 31, 1991  
County: Hernando  
Latitude/Longitude: 28°38'34"N  
82°28'25"W  
Project: Modification to burn  
Flolite in Kiln No. 1

This permit is issued under the provisions of Chapter 403, Florida Statutes, Florida Administrative Code (F.A.C.) Chapters 17-2 and 17-4, and 40 CFR (July, 1989 version). 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 during startup, idle times, and as a limited supplemental fuel with coal (maximum of 250 hrs/yr). The kiln has a maximum process input rate of 130 tons per hour (product weight of 79.6 tons per hour) and maximum heat input rate of 300.0 MMBtu/hr. No. 6 fuel oil will be used as a backup fuel. 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 Industrial Code: 3241 Cement Manufacturing

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 25, 1990.
2. DER's incompleteness letter dated October 23, 1990.
3. FM&M's response received November 26, 1990.
4. FM&M's response received via FAX November 26, 1990.
5. FM&M's response received via FAX January 2, 1991.
6. FM&M's response received via FAX January 7, 1991.
7. FM&M's response received January 9, 1991.
8. Technical Evaluation and Preliminary Determination dated January 18, 1991.

PERMITTEE: Florida Mining and Materials      Permit Number: AC 27-186923  
Expiration Date: December 31, 1991

**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: Permit Number: AC 27-186923  
Florida Mining and Materials Expiration Date: December 31, 1991

**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 27-186923  
Expiration Date: December 31, 1991

**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 prescribed 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 27-186923

Expiration Date: December 31, 1991

**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. Continuous operation is permitted (i.e., 8760 hrs/yr).

2. The No. 1 kiln's and the clinker cooler's total process input rate shall not exceed 130 tons per hour (wet basis), yielding a maximum clinker product weight of 79.6 tons per hour (dry basis).

3. Except during startup, the No. 1 kiln's maximum process heat input rate shall not exceed 300.0 MMBtu per hour (based on firing a maximum of 24,000 lbs/hr coal with a heating value of 12,500 Btu/lb). The sulfur content of the coal shall not exceed 1.0 percent by weight using ASTM-D-3177-84. Coals with heating values

PERMITTEE: Florida Mining and Materials      Permit Number: AC 27-186923  
Expiration Date: December 31, 1991

**SPECIFIC CONDITIONS:**

lower than 12,500 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. The total combined times when using Flolite during startup periods (no coal used), idle times (maximum allowable process heat input of 300.0 MMBtu maintained but no process feed input), and as a limited supplemental fuel with coal (coal unable to sustain maximum allowable process heat input requirement), shall not exceed 250 hours per year. Other than coal, permitted fuels 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 shall contain no higher concentration of metals or toxics than stated in the certified analysis submitted with Exhibit III of the application. Maximum Flolite usage rate is 2069 gals/hr (@ 145,000 Btu/gal). Maximum No. 6 fuel oil usage rate is 1974 gals/hr (@ 152,000 Btu/gal).

5. Particulate matter (PM) emissions from the No. 1 kiln shall not exceed 0.15 kg/metric ton of feed (dry basis) to the kiln (0.30 lb/ton; 39.0 lbs/hr, 169.8 TPY). PM emissions from the No. 1 clinker cooler shall not exceed 0.050 kg/metric ton of feed (dry basis) to the kiln (0.10 lb/ton; 13.0 lbs/hr, 56.6 TPY).

6. Visible emissions (VE) from the No. 1 kiln shall not exceed 20% opacity. VE from the No. 1 clinker cooler shall be less than 10% opacity. VE from any other affected source shall be less than 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 EPA Method 9 for VE.

8. The No. 1 kiln's total process input 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.

PERMITTEE: Florida Mining and Materials      Permit Number: AC 27-186923  
Expiration Date: December 31, 1991

**SPECIFIC CONDITIONS:**

9. The applicant shall comply with all of the applicable provisions and requirements of F.A.C. Chapters 17-2 and 17-4, and 40 CFR (July, 1989 version).
10. The DER's Southwest District office shall be notified in writing at least 15 days prior to compliance testing. Test reports shall be submitted to the DER's Southwest District office within 45 days of compliance test completion.
11. Any change in the method of operation, fuels, equipment, startup, or operating hours, pursuant to the term "modification" (F.A.C. Rule 17-2.100, shall be submitted for evaluation and approval to the DER's Bureau of Air Regulation (BAR) office.
12. For PSD purposes and one time requirement, the permittee shall test for all pollutant emissions expected from the No. 1 kiln while firing the Flolite in all of its firing modes. At a minimum, the permittee shall test for the pollutants PM, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, and VOC using EPA Methods 5, 201 or 201A, 6, 7, 10, and 25, respectively, or any other test method or equivalent that has received prior approval by the Department. An ultimate analysis of the particulate filter shall also be required. The test methods shall be in accordance with F.A.C. Rule 17-2.700 and 40 CFR (July, 1989 version).
13. The No. 1 kiln and its associated equipment are subject to the applicable provisions of F.A.C. Rules 17-2.240: Circumvention; 17-2.250: Excess Emissions; 17-2.700: Stationary Source Emission Test Procedures; and, 17-4.130: Plant Operations-Problems.
14. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the BAR prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).
15. An application for an operation permit must be submitted to the DER's Southwest District office at least 90 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed and 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).

PERMITTEE:  
Florida Mining and Materials

Permit Number: AC 27-186923  
Expiration Date: December 31, 1991

SPECIFIC CONDITIONS:

Issued this \_\_\_\_\_ day  
of \_\_\_\_\_, 1991

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

---

Carol M. Browner, Secretary

PERMITTEE: Florida Mining and Materials      Permit Number: AC 27-186923  
Expiration Date: December 31, 1991

**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. Continuous operation is permitted (i.e., 8760 hrs/yr).
2. The No. 1 kiln's and the clinker cooler's total process input rate shall not exceed 130 tons per hour (wet basis), yielding a maximum clinker product weight of 79.6 tons per hour (dry basis).
3. Except during startup, the No. 1 kiln's maximum process heat input rate shall not exceed 300.0 MMBtu per hour (based on firing a maximum of 24,000 lbs/hr coal with a heating value of 12,500 Btu/lb). The sulfur content of the coal shall not exceed 1.0 percent by weight using ASTM-D-3177-84. Coals with heating values

PERMITTEE: Permit Number: AC 27-186923  
Florida Mining and Materials Expiration Date: December 31, 1991

**SPECIFIC CONDITIONS:**

lower than 12,500 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. The total combined times when using Flolite during startup periods (no coal used), idle times (maximum allowable process heat input of 300.0 MMBtu maintained but no process feed input), and as a limited supplemental fuel with coal (coal unable to sustain maximum allowable process heat input requirement), shall not exceed 250 hours per year. Other than coal, permitted fuels 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 shall contain no higher concentration of metals or toxics than stated in the certified analysis submitted with Exhibit III of the application. Maximum Flolite usage rate is 2069 gals/hr (@ 145,000 Btu/gal). Maximum No. 6 fuel oil usage rate is 1974 gals/hr (@ 152,000 Btu/gal).

5. Particulate matter (PM) emissions from the No. 1 kiln shall not exceed 0.15 kg/metric ton of feed (dry basis) to the kiln (0.30 lb/ton; 39.0 lbs/hr, 169.8 TPY). PM emissions from the No. 1 clinker cooler shall not exceed 0.050 kg/metric ton of feed (dry basis) to the kiln (0.10 lb/ton; 13.0 lbs/hr, 56.6 TPY).

6. Visible emissions (VE) from the No. 1 kiln shall not exceed 20% opacity. VE from the No. 1 clinker cooler shall be less than 10% opacity. VE from any other affected source shall be less than 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 EPA Method 9 for VE.

8. The No. 1 kiln's total process input 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.

PERMITTEE: Permit Number: AC 27-186923  
Florida Mining and Materials Expiration Date: December 31, 1991

**SPECIFIC CONDITIONS:**

9. The applicant shall comply with all of the applicable provisions and requirements of F.A.C. Chapters 17-2 and 17-4, and 40 CFR (July, 1989 version).
10. The DER's Southwest District office shall be notified in writing at least 15 days prior to compliance testing. Test reports shall be submitted to the DER's Southwest District office within 45 days of compliance test completion.
11. Any change in the method of operation, fuels, equipment, startup, or operating hours, pursuant to the term "modification" (F.A.C. Rule 17-2.100, shall be submitted for evaluation and approval to the DER's Bureau of Air Regulation (BAR) office.
12. For PSD purposes and one time requirement, the permittee shall test for all pollutant emissions expected from the No. 1 kiln while firing the Flolite in all of its firing modes. At a minimum, the permittee shall test for the pollutants PM, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, and VOC using EPA Methods 5, 201 or 201A, 6, 7, 10, and 25, respectively, or any other test method or equivalent that has received prior approval by the Department. An ultimate analysis of the particulate filter shall also be required. The test methods shall be in accordance with F.A.C. Rule 17-2.700 and 40 CFR (July, 1989 version).
13. The No. 1 kiln and its associated equipment are subject to the applicable provisions of F.A.C. Rules 17-2.240: Circumvention; 17-2.250: Excess Emissions; 17-2.700: Stationary Source Emission Test Procedures; and, 17-4.130: Plant Operations-Problems.
14. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the BAR prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).
15. An application for an operation permit must be submitted to the DER's Southwest District office at least 90 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed and 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).





CROSS/TESSITORE & ASSOCIATES, P.A.

4763 S. CONWAY ROAD, SUITE F  
ORLANDO, FLORIDA 32812  
407/851-1484

RECEIVED  
JAN 9 1991  
DER-BAQM

January 7, 1991

Mr. Bruce Mitchell  
Division of Air Resources Management  
Permitting and Standards Section  
Florida Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

Subject: Florida Mining and Materials Kiln No. 1  
Permit # AO27-169616  
C/TA # F03.182

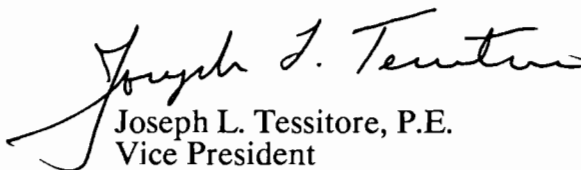
Dear Bruce:

In response to our telephone conversation concerning the subject source, the following items are attached:

- 1) A revised Table III-2 for the subject Construction Permit Application.
- 2) A signed and sealed statement of "Negative Declaration" as to "Major Modification" status of Cement Kiln No. 1.

If you have any questions, and/or require any additional data, please do not hesitate to call upon me.

Sincerely,

  
Joseph L. Tessitore, P.E.  
Vice President

JLT/kp  
Encl: a/s  
C5539.Doc

cc: B. Mitchell  
B. Romero, SW Dist.  
C. Petric, Hernandez Co.



CROSS/TESSITORE & ASSOCIATES, P.A.

4763 S. CONWAY ROAD, SUITE F  
ORLANDO, FLORIDA 32812



Mr. Bruce Mitchell  
Division of Air Resources Management  
Permitting and Standards Section  
FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400



**TABLE III-2**  
**FUELS DATA**

Fuel Type	Heat Capacity	Sulfur Content <sup>2</sup>	Maximum Usage Rate	Maximum Heat Input (Btu/hr)
<b>Current:</b>				
Coal	12,500 Btu/lb	1.0 %	12 T/hr	$3.0 \times 10^8$
No. 6 Diesel Oil	152,000 Btu/gal	0.77 %	1974 gal/hr	$3.0 \times 10^8$
<b>Proposed:</b>				
Flolite <sup>1</sup>	145,000 Btu/gal	1.0 %	2069 gal/hr	$3.0 \times 10^8$
Coal	12,500 Btu/lb	1.0 %	12 T/hr	$3.0 \times 10^8$
No. 6 Diesel Oil	152,000 Btu/gal	0.77 %	1974 gal/hr	$3.0 \times 10^8$

(1) Flolite would be mainly used during start-up of kiln operations and during periods when raw materials feed is stopped and kiln temperature must be maintained, and Flolite is normally used only as a substitute for coal. In cases where Flolite and coal are used concurrently, the maximum heat input rate will not exceed  $3.0 \times 10^8$  Btu/hr.

(2) Values shown are approximate.



February 24, 1992

Division of Air  
Resources Management

RECEIVED  
FEB 28 1992

Mr. James H. Kerns, P.E.  
District Air Engineer  
Southwest District  
4520 Oak Fair Boulevard  
Tampa, FL 33610-7347

Re: Cement Kiln #1 and Associated Auxiliary Equipment  
AO27-201252; AO27-201253; AO27-201254; & AO27-201255

Dear Mr. Kerns:

By letter dated February 12, 1992, the Tallahassee office of the Florida Department of Environmental Regulation approved our requested amendment to change the annual hours of operation from 7896 to 8760, for the above referenced auxiliary source for Kiln #1. A copy of this letter is attached for your information. As instructed in your letter dated February 12, 1992, a check for \$250.00 is attached as the processing fee to incorporate this amendment in the above referenced Operating Permits for these sources.

If you have any questions, or need additional information please call me at (713) 653-8098.

Sincerely,

*Amarjit Singh Gill*  
Amarjit Singh Gill, P.E.  
Senior Air Permitting Engineer

c: **Mr. C. H. Fancy**, FDER  
Mr. D. Kelly, FM&M  
Mr. J. Koogler, Ph.D., P.E., Koogler & Associates

P 832 538 778



**Certified Mail Receipt**

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

PS Form 3800, June 1990

Sent to	
Mr. Don Kelly, FM&M	
Street & No.	
P O Box 6	
P.O., State & ZIP Code	
Brooksville, FL 34605-0006	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$
Postmark or Date	
Mailed: 2-19-92	
Permit: AC 27-191611, -612 -715, -616	

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- 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 Fee will provide you the signature of the person delivered to and the date of delivery.

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

- 1.  Addressee's Address
- 2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mr. Don Kelly  
Plant Manager  
Florida Mining & Materials  
P O Box 6  
Brooksville, FL 34605-0006

4a. Article Number

P 832 538 778

4b. Service Type

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

7. Date of Delivery

2-24-92

5. Signature (Addressee)

6. Signature (Agent)

*B. Stevens*

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





# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

February 12, 1992

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Don Kelly, Plant Manager  
Florida Mining & Materials  
P.O. Box 6  
Brooksville, Florida 34605-0006

Dear Mr. Kelly:

Re: Amendment to Permits AC 27-191611, -612, -615, -616  
Kiln No. 1 Auxiliary Sources

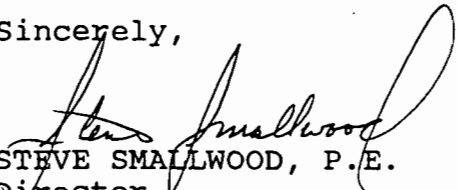
This is in response to FM&M's January 17 letter requesting amendment of the above permits to increase operating hours to 8760 without increasing emissions. The request is acceptable and the following changes are made to Specific Condition No. 1 of each permit (AC 27-191611, -612, -615, -616):

**FROM:** The annual operation hours shall not exceed 7896.

**TO:** The annual operation hours shall not exceed 8760.

Please attach a copy of this letter to each of the above permits as Attachment No. 3. FM&M's January 17 letter becomes Attachment No. 2.

Sincerely,

  
STEVE SMALLWOOD, P.E.  
Director  
Division of Air Resources  
Management

SS/JR/plm

c: W. Thomas, SWD  
A. Gill, P.E., FM&M  
J. Koogler, P.E.



State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

# Interoffice Memorandum

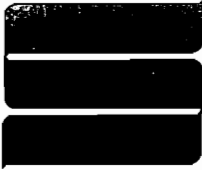
TO: Steve Smallwood  
FROM: Clair Fancy *[Signature]*  
DATE: February 12, 1992  
SUBJ: Amendment to Permits AC 27-191611, -612, -615, -616  
Florida Mining & Materials

Attached for your approval and signature is a letter amending the above permits to increase operation hours with no increase in emissions. The amendments are needed to make the Kiln No. 1 auxiliary source operation consistent with the operation of the kiln.

The Bureau recommends approval of these amendments.

Attachments

CHF/JR/plm



RECEIVED  
DER - MAIL ROOM  
1992 FEB -3 AM 11:12

January 31, 1992

Mr. C. H. Fancy, P.E., Chief  
Bureau of Air Regulation  
Florida Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Subject: Florida Mining and Materials  
Cement Kiln #1 and Associated Auxiliary Equipment  
AC 27-191611; AC 27-191612; AC 27-191615; AC 27-191616;

Dear Mr. Fancy:

In response to your letter dated January 24, 1992, I am enclosing Check No. 015515, for \$250 as the fee for amending the above referenced Permits-To-Construct. Please note that Table 1 below, lists the corresponding Permits-to-Operate that were issued on January 23, 1992, by the Southwest District office, for the above referenced Permits-To-Construct. It is, therefore, requested that the amendments be reflected in the corresponding Permits-To-Operate.

TABLE 1

DESCRIPTION	PTC	PTO
NO. 1 CLINKER COOLER	AC 27-191611	AO 27-201252
NO. 1 KILN FEED SYSTEM	AC 27-191612	AO 27-201253
NO. 1 KILN BLENDING SILOS	AC 27-191615	AO 27-201254
NO. 1 & 2 CLNKER SILOS	AC 27-191616	AO 27-201255

If you need any additional information, please call me at (713) 653-8098.

Sincerely,

*Amarjit S. Gill*  
Amarjit S. Gill, P.E.  
Senior Air Permitting Engineer

001031

cc: J. Reynolds  
B. Thomas, SW Dist.





# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

RECEIVED  
JAN 29 1992

January 24, 1992

Mr. Amarjit S. Gill, P.E.  
Senior Air Permitting Engineer  
Southdown, Inc.  
Citicorp Center, Suite 2400  
1200 Smith Street  
Houston, Texas 77002

Dear Mr. Gill:

RE: Florida Mining and Materials  
Kiln No. 1 and Associated Auxiliary Equipment.  
AC 27-191611, -191612, -191615, -191616, -186923

The Bureau of Air Regulation received your January 17, 1992, request to amend the above referenced air construction permits. On October 30, 1991, Rule 17-4.050(4)(o), F.A.C., (copy enclosed) was changed to require a \$250 fee for amendments; therefore, we will not be able to take action on your request until the fee is received. If you have any questions, please call Patty Adams at (904)488-1344.

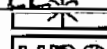
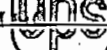
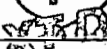
Sincerely,

*Barry D. Anderson*





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

CHF/pa

Enclosure

EXTREMELY URGENT SHIPMENT		REFERENCE NUMBER	WORLD ENVIR.
FROM	NAME	TELEPHONE	
	JEFF. GILL	713-450-0000	
	COMPANY	  	
	STREET ADDRESS	1200 SWITHENBY	
	CITY	STATE	ZIP CODE
	NEW		
TO	NAME	TELEPHONE	
	C.H. FANNY		
	COMPANY	FL. DEPT. OF ENVIRONMENTAL REG.	
	STREET ADDRESS	DEPT./FLOOR	
	3600 BLAIR STONE ROAD		
	CITY	STATE	ZIP CODE
	TALLAHASSEE	FL.	32309-24

TRACKING NO. 855 590E 996T

L	22	UPS SHIPPER NUMBER	N770-X70
TRACKING NO.		1986 3065 533	
			
TIME	DRIVER PLEASE PRINT RECEIVER'S FIRST INITIAL LAST NAME		REMARKS
 NEXT-DAY AIR  NEXT-DAY AIR  NEXT-DAY AIR			

DRAWN ON  
Pittsburgh National Bank  
JEANNETTE, PENNSYLVANIA  
IN COOPERATION WITH  
WELLS FARGO BANK, N.A.  
#4759-006604

SOUTHDOWN, INC.  
1200 SMITH STREET, SUITE 2400  
HOUSTON, TEXAS 77002

433  
No. 015515

DATE OF CHECK	CHECK NO.	AMOUNT OF CHECK
1 31 92	15515	*****250.00

VOID AFTER 90 DAYS  
SOUTHDOWN, INC.

PAY  
TO THE  
ORDER OF

FLORIDA DEPT OF ENVIRONMENTAL  
BUREAU OF AIR REGULATION  
TWIN TOWERS OFFICE BLDG  
2600 BLAIR STONE ROAD  
TALLAHASSEE FL 32399-2400

*James L. Carley*  
*Karen A. Mitchell*

Cement Kiln #1 and Associated Quality Management System  
AC 27-191611; AC 27-191612; AC 27-191615; AC 27-191616;

Dear Mr. Fancy:

In response to your letter dated January 24, 1992, I am enclosing Check No. 015515, for \$250 as the fee for amending the above referenced Permits-To-Construct. Please note that Table 1 below, lists the corresponding Permits-to-Operate that were issued on January 23, 1992, by the Southwest District office, for the above referenced Permits-To-Construct. It is, therefore, requested that the amendments be reflected in the corresponding Permits-To-Operate.

TABLE 1

DESCRIPTION	PTC	PTO
NO. 1 CLINKER COOLER	AC 27-191611	AO 27-201252
NO. 1 KILN FEED SYSTEM	AC 27-191612	AO 27-201253
NO. 1 KILN BLENDING SILOS	AC 27-191615	AO 27-201254
NO. 1 & 2 CLNKER SILOS	AC 27-191616	AO 27-201255

If you need any additional information, please call me at (713) 653-8098.

Sincerely,

*Amarjit S. Gill*  
Amarjit S. Gill, P.E.  
Senior Air Permitting Engineer

001031

P 832 538 768



### Certified Mail Receipt

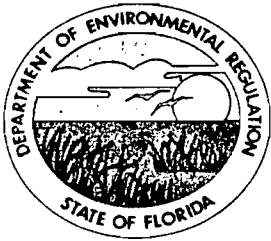
No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Sent to	
Mr. Amarjit S. Gill, P.E.	
Street & No.	
1200 Smith Street	
P.O., State & ZIP Code	
Houston, Texas 77002	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$
Postmark or Date	
Mailed: 1-27-92	
Permit: FM&M Kiln No.1	

PS Form 3800, June 1990

<b>SENDER:</b> • Complete items 1 and/or 2 for additional services. • Complete items 3, and 4a & b. • 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 next to the article number.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: Mr. Amarjit S. Gill, P.E. Southdown, Inc. Citicorp Center, Suite 2400 1200 Smith Street Houston, Ewxas 77002		4a. Article Number P 832 538 768	
		4b. Service Type <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	
		7. Date of Delivery JAN 28 1992	
5. Signature (Addressee)		8. Addressee's Address (Only if requested and fees paid)	
6. Signature (Agent) <i>E. Salano</i>			





# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

January 24, 1992

Mr. Amarjit S. Gill, P.E.  
Senior Air Permitting Engineer  
Southdown, Inc.  
Citicorp Center, Suite 2400  
1200 Smith Street  
Houston, Texas 77002

Dear Mr. Gill:

RE: Florida Mining and Materials  
Kiln No. 1 and Associated Auxiliary Equipment.  
AC 27-191611, -191612, -191615, -191616, -186923

The Bureau of Air Regulation received your January 17, 1992, request to amend the above referenced air construction permits. On October 30, 1991, Rule 17-4.050(4)(o), F.A.C., (copy enclosed) was changed to require a \$250 fee for amendments; therefore, we will not be able to take action on your request until the fee is received. If you have any questions, please call Patty Adams at (904)488-1344.

Sincerely,

*Barry D. Anders*  
for C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

CHF/pa

Enclosure

DEPARTMENT OF ENVIRONMENTAL REGULATION

<b>ROUTING AND TRANSMITTAL SLIP</b>	ACTION NO
	ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)	Initial
	Date
2. <i>Clair Fandy Chief</i>	Initial
	Date
3. <i>Bureau of Air Reg.</i>	Initial
	Date
4. <i>Bruce 1/15</i>	Initial
	Date

REMARKS:

*Re: Paul J. Furman vs. DER  
Final Order Dismissing Petition*

*AC 27-191616*

**RECEIVED**

JAN 15 1992

Division of Air  
Resources Management

INFORMATION	
<input type="checkbox"/>	Review & Return
<input type="checkbox"/>	Review & File
<input type="checkbox"/>	Initial & Forward
<input type="checkbox"/>	
DISPOSITION	
<input type="checkbox"/>	Review & Respond
<input type="checkbox"/>	Prepare Response
<input type="checkbox"/>	For My Signature
<input type="checkbox"/>	For Your Signature
<input type="checkbox"/>	Let's Discuss
<input type="checkbox"/>	Set Up Meeting
<input type="checkbox"/>	Investigate & Report
<input type="checkbox"/>	Initial & Forward
<input type="checkbox"/>	Distribute
<input type="checkbox"/>	Concurrence
<input type="checkbox"/>	For Processing
<input type="checkbox"/>	Initial & Return

FROM: *Margine Monahan  
for Doug Beason OGC*

DATE: *1/14/92*

PHONE: *8-9730*

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

PAUL J. FURMAN,  
Petitioner,

vs.

OGC File No. 91-0952  
91-0953  
91-0954  
91-0955

FLORIDA MINING AND MATERIALS,  
and STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION,

Respondents.

---

FINAL ORDER DISMISSING PETITION

On April 23, 1991, the State of Florida Department of Environmental Regulation ("Department") received a letter that could be considered as a request for administrative hearing from Petitioner, PAUL J. FURMAN. The petition challenged the Department's decision to grant Permit Nos. AC27-191611, AC27-191612, AC27-191615 and AC27-191616 to FLORIDA MINING AND MATERIALS, to modify air permits for auxiliary sources for kilns at the applicant's cement plant in Hernando County.

On October 1, 1991, the Department entered an Order Dismissing Petition With Leave to Amend. The Department's action was based upon the Petitioner's failure to comply with the requirements of Rule 17-103.155(2), Florida Administrative Code, which sets forth the information which must be included in a petition for a formal administrative hearing. The Department's Order allowed the Petitioner the opportunity to file an amended petition to include the information required by the above-cited rule.

On October 15, 1991, the Petitioner filed with the Department an amended petition for a formal administrative hearing in an attempt to comply with the requirements of the Department's Order (Exhibit 1). However, the amended petition fails to comply with the requirements of Rule 17-103.155(2), Florida Administrative Code. Specifically, the amended petition does not include:

(a) A statement of the disputed issues of material fact upon which the Department's action is based. The amended petition alleges the Petitioner "was unable to evaluate the material facts and reach a decision on accepting them or contesting them" because the Department has not timely responded to the Petitioner's request for information. However, on at least two occasions the Department has responded to the Petitioner's request for information. Although I appreciate the Petitioner's concerns about the Department's delay in providing the requested information, the Petitioner has had sufficient opportunity to review this information along with other available information. Given the substantial amount of time which has passed, there is no reasonable justification for the failure of the amended petition to allege disputed issues of material fact as required by Rule 17-103.155(2)(d) and (e), Florida Administrative Code;

(b) A statement of which rules or statutes Petitioner contends require reversal or modification of the Department's action or proposed action. The amended petition alleges that it "does not appear that...any of the Department's rules have been violated by the proposed permit modifications." However, the Petition also alleges the Petitioner is unable to be certain until the Petitioner



has received all of the information requested. As previously noted, the Department has responded to the Petitioner's request for information and there is no reasonable justification for the failure of the amended petition to include the information required by Rule 17-103.155(2)(f), Florida Administrative Code;

(c) A statement of the relief sought by Petitioner, stating precisely the action Petitioner wants the Department to take with respect to the Department's proposed action. The amended petition makes reference to the Petitioner's concerns about the timeliness of the Department's responses to the Petitioner's requests for information. Although the Petitioner maintains the Department did not timely respond to the Petitioner's request for information, the Department has responded and the Petitioner has had sufficient opportunity to review the information with regard to preparing an amended petition containing the information required by Rule 17-103.155(2)(g), Florida Administrative Code.

The amended petition fails to contain the information required by the Department's prior Order. Without this information, Petitioner's amended petition must be dismissed as required by Florida Administrative Code Rule 17-103.155.


Therefore, IT IS ORDERED:

The petition for hearing filed by Petitioner is hereby DISMISSED with prejudice. This Order constitutes final agency action of the Department. Any party to this Order has the right to seek judicial review of the Order 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 Order is filed with the clerk of the Department.

DONE AND ORDERED this 13 day of January, 1992, in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

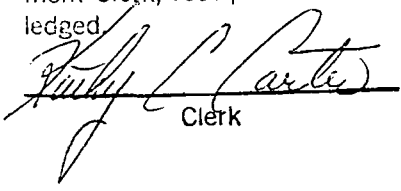


CAROL M. BROWNER  
Secretary

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400  
Telephone: (904) 488-4805

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to S120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

 Clerk      1-13-92 Date

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by U.S. Mail to Paul J. Furman, 13424 Brooksville Rock Road, Brooksville, Florida 34614, on this 14<sup>th</sup> day of January, 1992.



W. DOUGLAS BEASON  
Assistant General Counsel

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400  
Telephone: (904) 488-9730

13424 Brooksville Rock Road  
Brooksville, Florida 34614  
October 9, 1991

**RECEIVED**  
OCT 15 1991

Office of General Counsel  
Florida Department of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

RE: Florida Mining and Materials - Hernando County      Dept. of Environmental Reg.  
Notice of intent to modify permits for kiln no.1 auxiliary      Office of General Counsel  
sources

Gentlemen:

Thank you for finally responding to my letters of April 22 and October 3. On Monday, October 7, I received a your document entitled "Order Dismissing Petition With Leave To Amend". With this letter I am providing the additional information requested for the administrative proceeding:

- 1.) (Statement of substantial environmental interest)  
As a neighbor of Florida Mining and Materials (FM&M) and a resident of Hernando County, I am breathing air containing the emissions from the FM&M cement kilns. By failing to respond to my requests for information on how this air is being impacted by the continual modification of permits at FM&M, the Department has not assured me that my health will not be adversely affected.
- 2.) (Statement of material facts disputed / modification of Department's action)  
Since the Department has not responded in a timely manner to my requests for information regarding previous modifications to the permits for the FM&M cement kilns, I was unable to evaluate the "material facts" and reach a decision on accepting or contesting them. I am still awaiting information requested in my letter of April 22, 1991.
- 3.) (Rules or statutes requiring reversal or modification of the Department's action)  
It does not appear to me that any of the Department's rules have been violated by the proposed permit modifications. However, I am unable to be certain of this until I have received all of the information requested.
- 4.) (Statement of relief)  
If the permit modification has already been issued, it should be rescinded until after the administrative hearing or until after the requested information is provided. The Department should also explain why it did not acknowledge receiving my request for an administrative hearing until October 7, 1991.

The Department should consider three modifications to the public notification procedure:

- a.) The Notice Of Intent To Issue should contain the Department's Permit File Number. It is likely that most respondents from the general public would have no other source for this information.
- b.) The application should be available for public inspection at a location within the County. This location should be specified in the Notice Of Intent To Issue.
- c.) The Department's policy for handling letters of comment should be clear and consistent. Letters requesting information regarding the project to be permitted or regarding the Department's action should be answered fully and promptly.

Please consider the above as an ammendment to my letter of April 22, 1991.

Thank you for your consideration.

Sincerely,

A handwritten signature in cursive script that reads "Paul J. Furman". The signature is written in dark ink and is positioned above the printed name.

Paul J. Furman

P 832 538 753



**Certified Mail Receipt**

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

PS Form 3800, June 1990

Sent to	
Mr. C. M. Coleman, FM&M	
Street & No.	
P.O. Box 6	
P.O., State & ZIP Code	
Brooksville, FL 34605-0006	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$
Postmark or Date	
Mailed: 12-16-91	
Permit: AC 27-191611, -12 -615-616	

**SENDER:**

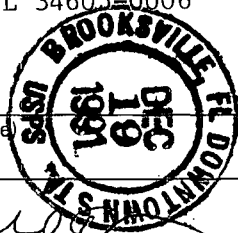
- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested"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

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

- 1.  Addressee's Address
- 2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to: Mr. C. M. Coleman, Jr., V.P. Florida Mining and Materials P. O. Box 6 Brooksville, FL 34605-0006	4a. Article Number P 832 538 753
5. Signature (Addressee)  6. Signature (Agent) <i>[Signature]</i>	4b. Service Type <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
	7. Date of Delivery 12-19-91
	8. Addressee's Address (Only if requested and fee is paid)



P 256 395 042

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

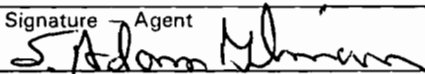
U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

Sent to Mr. H. E. Andre, FM&M	
Street and No. P. O. Box 6	
P.O., State and ZIP Code Brooksville, FL 34605-0006	
Postage	S
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	S
Postmark or Date Mailed: 12-5-90 Permit: Kiln 1 Ancillary Equipment	

● **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. H. E. Andre V.P. - Operations & Cement Aggregates Florida Mining and Materials P. O. Box 6 Brooksville, FL 34605-0006	4. Article Number P 256 395 042 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 - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X 	
7. Date of Delivery 12-12-90	

PS Form 3811, Apr. 1989

U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT



# Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

December 5, 1990

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. H. E. Andre  
V.P. - Operations & Cement Aggregates  
P. O. Box 6  
Brooksville, Florida 34605-0006

Dear Mr. Andre:

Re: Requests to Modify No. 1 Cement Kiln Ancillary Equipment

The Department has evaluated the requests to modify the ancillary equipment associated with the No. 1 Cement Kiln (see attached letters dated July 18 and September 20, 1990). Based on the evaluation, construction permits will be required. Therefore, please submit an application and appropriate processing fee for each of the affected sources to the Department's Bureau of Air Regulation and processing will begin.

If there are any questions, please call Bruce Mitchell at 904-488-1344 or write to me at the above address.

Sincerely,

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

CHF/BM/plm

Attachments

c: B. Thomas, SWD  
J. Tessitore, P.E., C/T  
G. Smallridge, OGC



January 17, 1992

Mr. C. H. Fancy, P.E., Chief  
Bureau of Air Regulation  
FLorida Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

RECEIVED  
JAN 21 1992  
Division of Air  
Resources Management

Subject: Florida Mining and Materials  
Cement Kiln #1 and Associated Auxiliary Equipment  
Permits-To-Construct: AC 27-191611; AC 27-191612;  
AC 27-191615; AC 27-191616; AC 27-186923

Dear Mr. Fancy:

It was a pleasure meeting you and your staff during our meeting in your offices on January 9, 1992. One of the items discussed was the inconsistency between the hours of operation permitted for Kiln #1 and the hours of operation permitted for the auxiliary equipment that supports Kiln #1. As seen in Table 1, Permit-to-Construct AC 27-186923 provides 8760 hours of operation per year for Kiln #1. The four Permits-to-Construct, listed in Table 2, for the auxiliary equipment are based on 7896 hours of operation per year.

This lower operating-hours limit on the auxiliary equipment then becomes the controlling limit on the kiln operation. Southdown needs to retain its present flexibility to operate this kiln at maximum capacity to satisfy the potential growth in cement demand. Therefore, Southdown is requesting that the inadvertant restrictions imposed on the the hours of operation of the auxiliary equipment be removed to make their operation consistant with the allowable operation of Kiln #1.

The impact of this change in the annual hours of operation for the auxiliary equipment from 7896 to 8760 will result in a net increase in the particulate emissions of 4.78 tons per year, going from 43.62 to 48.40 as shown in Table 2. Please note that no increase in the emission rate is being requested. If you need additional information please call me at (713) 653-8098.

Sincerely,

*Amarjit Singh Gill*  
Amarjit S. Gill, P.E.  
Senior Air Permitting Engineer

c: Mr. Steve Smallwood, P.E., Director  
Div. of Air Resources Management, FDER

*J. Reynolds*  
*S. Thomas, Sr. Dist.*  
CHF/PL

Southdown, Inc.

■ CITICORP CENTER, SUITE 2400, 1200 SMITH STREET, HOUSTON, TEXAS 77002-4486  
■ TELEPHONE: (713) 650-6200



**TABLE 1**  
 Brooksville Kiln #1  
 Conditions Of The Permit-To-Construct Issued On March 8, 1991

IDENT.	DESCRIPTION	PERMIT TO CONST.	EXPIR. DATE	OPER HR/YR	PART. LB/HR	PART. TPY @8760H	PART. TPY @8760H	KILN FEED TPH
E-55	Rotary Kiln #1	AC 27-186923	12/31/91 03/31/92	8760	39.0	170.82 No Ch.	170.82 No Ch.	130.0

**TABLE 2**  
 Brooksville Kiln #1 Auxiliary Sources  
 Conditions Of The Permits-To-Construct Issued On December 16, 1991

IDENT.	DESCRIPTION	PERMIT TO CONST.	EXPIR. DATE	OPER HR/YR	PART. LB/HR	PART. TPY @7896H	PART. TPY @8760H	KILN FEED TPH
F-18	Clinker Cooler # 1	AC 27-191611	12/31/92	7896	7.13	28.15	31.23	
E-36	Blend.& Stor. Silos	AC 27-191615	12/31/92	7896	1.45	5.72	6.35	135.0
D-31	Raw Mill # 1	AC 27-191612	12/31/92	7896	1.02	4.03	4.47	145.0
F-31	Clinker Storage Silo	AC 27-191616	12/31/92	7896	1.45	5.72	6.35	
					11.05	43.62	48.40	



January 17, 1992

Mr. C. H. Fancy, P.E., Chief  
 Bureau of Air Regulation  
 FLorida Department of Environmental Regulation  
 Twin Towers Office Building  
 2600 Blair Stone Road  
 Tallahassee, Florida 32399-2400

RECEIVED

JAN 21 1992

Division of Air  
Resources Management

Subject: Florida Mining and Materials  
 Cement Kiln #1 and Associated Auxiliary Equipment  
 Permits-To-Construct: AC 27-191611; AC 27-191612;  
 AC 27-191615; AC 27-191616; AC 27-186923

Dear Mr. Fancy:

It was a pleasure meeting you and your staff during our meeting in your offices on January 9, 1992. One of the items discussed was the inconsistency between the hours of operation permitted for Kiln #1 and the hours of operation permitted for the auxiliary equipment that supports Kiln #1. As seen in Table 1, Permit-to-Construct AC 27-186923 provides 8760 hours of operation per year for Kiln #1. The four Permits-to-Construct, listed in Table 2, for the auxiliary equipment are based on 7896 hours of operation per year.

This lower operating-hours limit on the auxiliary equipment then becomes the controlling limit on the kiln operation. Southdown needs to retain its present flexibility to operate this kiln at maximum capacity to satisfy the potential growth in cement demand. Therefore, Southdown is requesting that the inadvertant restrictions imposed on the the hours of operation of the auxiliary equipment be removed to make their operation consistant with the allowable operation of Kiln #1.

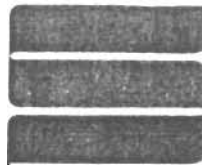
The impact of this change in the annual hours of operation for the auxiliary equipment from 7896 to 8760 will result in a net increase in the particulate emissions of 4.78 tons per year, going from 43.62 to 48.40 as shown in Table 2. Please note that no increase in the emission rate is being requested. If you need additional information please call me at (713) 653-8098.

Sincerely,

Amarjit S. Gill, P.E.  
 Senior Air Permitting Engineer

c: Mr. Steve Smallwood, P.E., Director  
 Div. of Air Resources Management, FDER

*J. Reynolds*  
*E. Sharma, Sr. Dist.*  
 CHF/PL



January 17, 1992

Mr. C. H. Fancy, P.E., Chief  
 Bureau of Air Regulation  
 FLorida Department of Environmental Regulation  
 Twin Towers Office Building  
 2600 Blair Stone Road  
 Tallahassee, Florida 32399-2400

RECEIVED  
 JAN 21 1992  
 Division of Air  
 Resources Management

Subject: Florida Mining and Materials  
 Cement Kiln #1 and Associated Auxiliary Equipment  
 Permits-To-Construct: AC 27-191611; AC 27-191612;  
 AC 27-191615; AC 27-191616; AC 27-186923

Dear Mr. Fancy:

It was a pleasure meeting you and your staff during our meeting in your offices on January 9, 1992. One of the items discussed was the inconsistency between the hours of operation permitted for Kiln #1 and the hours of operation permitted for the auxiliary equipment that supports Kiln #1. As seen in Table 1, Permit-to-Construct AC 27-186923 provides 8760 hours of operation per year for Kiln #1. The four Permits-to-Construct, listed in Table 2, for the auxiliary equipment are based on 7896 hours of operation per year.

This lower operating-hours limit on the auxiliary equipment then becomes the controlling limit on the kiln operation. Southdown needs to retain its present flexibility to operate this kiln at maximum capacity to satisfy the potential growth in cement demand. Therefore, Southdown is requesting that the inadvertant restrictions imposed on the the hours of operation of the auxiliary equipment be removed to make their operation consistant with the allowable operation of Kiln #1.

The impact of this change in the annual hours of operation for the auxiliary equipment from 7896 to 8760 will result in a net increase in the particulate emissions of 4.78 tons per year, going from 43.62 to 48.40 as shown in Table 2. Please note that no increase in the emission rate is being requested. If you need additional information please call me at (713) 653-8098.

Sincerely,

*Amarjit Singh Gill*

Amarjit S. Gill, P.E.  
 Senior Air Permitting Engineer

c: Mr. Steve Smallwood, P.E., Director  
 Div. of Air Resources Management, FDER

*J. Reynolds*  
*E. Thomas, sub director*  
 CHFIPL

Southdown, Inc.

■ CITICORP CENTER, SUITE 2400, 1200 SMITH STREET, HOUSTON, TEXAS 77002-4486  
 ■ TELEPHONE: (713) 650-6200

P 407 852 648

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

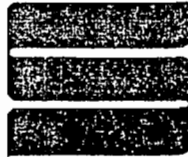
Sent to C. M. Coleman, Jr.	
Street and No. FIA Mining & Mat.	
R.O. State and ZIP Code Brooksville, FL 31	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date AC 27-191611 45-91 " 612 " 615 " 616	

**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)

**RECEIVED**  
APR 12 1991

3. Article Addressed to: Mr. C.M. Coleman, Jr., V.P. FIA Mining & Materials P.O. Box 6 Brooksville, FL 34605-0006	4. Tracking Number P 407 852 648 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
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X Adam Coleman	
7. Date of Delivery 4.9.91	



"REVISED"

March 29, 1991

RECEIVED

APR 9 1991

DER-BAQM

Florida Department of  
Environmental Regulation  
Twin Tower Office Bldg.  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Re: Pending Part B Permit Application

Dear Sir or Madam:

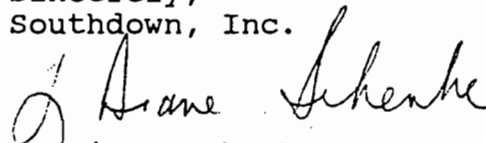
As you know, Moore McCormack Resources, Inc., a wholly-owned subsidiary of Southdown, Inc. d/b/a Florida Mining & Materials, operates a cement manufacturing facility in Brooksville, Florida.

This letter is to inform you that Southdown, Inc. is in the process of consolidating its cement and concrete products operations. As part of that consolidation, Florida Mining & Materials will be merged with and into Southdown, Inc., its parent company, effective by April 30, 1991. The merger will not result in any change in personnel or current operations at the Brooksville facility, and the facility will continue doing business as Florida Mining & Materials, a division of Southdown, Inc. By operation of law, after the merger all of the liabilities and obligations of Florida Mining & Materials, as well as all of its assets, franchises, rights and privileges, become those of Southdown, Inc.

Please make any necessary annotations to reflect the name of Southdown, Inc. in the records for each permit listed above for the Brooksville facility.

Please call Ralph Shepard at (904) 796-7241 or me at (713) 653-6827 if you have any questions, or if you would like additional information.


Sincerely,  
Southdown, Inc.

  
L. Diane Schenke

LDS/pls

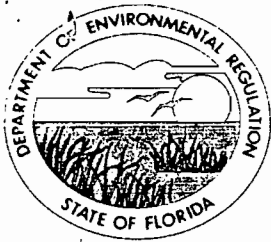
21 SOUTHEAST\MEW\78410\A001\7220328.LTR

cc: *E. M. ...*  
*q Reynolds*

Recycled paper 

Southdown, Inc.

— CITICORP CENTER, 1200 SMITH STREET, SUITE 2400  
— HOUSTON, TEXAS 77002-4486 — TELEPHONE: (713) 650-6200



# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

April 4, 1991

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. C. M. Coleman, Jr., V.P.  
Florida Mining and Materials  
P. O. Box 6  
Brooksville, Florida 34605-0006

Dear Mr. Coleman:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permits for Florida Mining and Materials to modify permits for kiln No. 1 auxiliary sources at the facility near Brooksville, Florida.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Mr. Barry Andrews of the Bureau of Air Regulation.

Sincerely,

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

CHF/JR/kt

Attachments

c: B. Thomas, SW District  
J. Tessitore, P.E.

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of  
Application for Permit by:

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

DER File No. AC 27-191611  
AC 27-191612  
AC 27-191615  
AC 27-191616

---

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue an air construction 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 January 18, 1991, to the Department of Environmental Regulation to modify permits for kiln No. 1 auxiliary sources at their Brooksville cement plant. The permit modifications involve adjustments to current limits for production rate, operating hours and emissions, in order to make them consistent with other recent permit changes. 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 Chapters 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that air construction permits are 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

*for* Barry J. Anthony  
C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

Copies furnished to:

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

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 permits to Florida Mining and Materials, P.O. Box 6, Brooksville, Florida 34605-6000, to modify permits for kiln No. 1 auxiliary sources at their Brooksville cement plant. The permit modifications involve adjustments to current limits for production rate, operating hours and emissions, in order to make them consistent with other recent permit changes. The net change in the proposed annual emissions versus current actual emissions is essentially zero. These permit modifications do not involve processing or combustion of hazardous wastes or toxic materials. The applicant's facility is located off U.S. 98 Highway 98 northwest of Brooksville, Florida 33823. A determination of Best Available Control Technology (BACT) was required. 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 Blvd.  
Tampa, Florida 33610-7347

Any person may send written comments on the proposed action to Mr. Barry Andrews 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.

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 4-5-91.

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.

Karin Debes  
Clerk

4-5-91  
Date

Technical Evaluation  
and  
Preliminary Determination

Florida Mining and Materials  
Brooksville, Hernando County, Florida

Modification to Permits for Kiln No. 1 Auxiliary Sources

Permit Numbers:

AC 27-191611  
AC 27-191612  
AC 27-191615  
AC 27-191616

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

April 4, 1991

### III. Rule Applicability

The construction permit applications are 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 particulate matter emissions. Although the kiln is a major source, the proposed increase in allowable emissions is negative, therefore the proposed modifications are not subject to the new source review requirements of F.A.C. Rule 17-2.500. Applicable rules are F.A.C. Rule 17-2.600(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. The applicant requested no increase in allowable emissions for Clinker Cooler No. 1, therefore the allowable emissions for that source will be more stringent than required by the New Source Performance Standards (7.1 versus 8.4 lbs/hr).

### IV. Conclusion

Based on the information provided by Florida Mining and Materials, the Department has reasonable assurance that the permit modifications to kiln No. 1 auxiliary sources, 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 provisions of Chapter 17-2 of the Florida Administrative Code.



I. Application

A. Applicant

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

B. Request

The Department received six complete applications on January 18, 1991, for permit modifications involving auxiliary sources for kiln No. 1 at the applicant's cement plant in Brooksville, Florida. Four of the permit applications were necessary to coincide with other recent modifications. The remaining two applications were duplicative of other permits issued recently and were not required (C-11/Raw Material Storage silos, F-17/Blending Silos). The F-17/Blending silo application involves such a small change that it should be replaced by a request for a memorandum modifying permit No. AC 27-185902 to allow a 5 ton per hour increase in processing rate with no increase in emissions.

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.

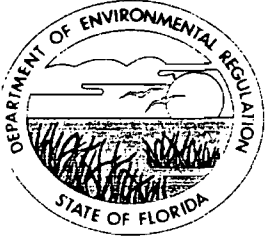
II. Project Description/Emissions

The applicant proposes to modify the construction permits of kiln No. 1 auxiliary sources in order to make them consistent with other recent permit changes. This involves adjustments to current permit limits for production rates, operating hours and emissions. There is a net decrease in the annual allowable emissions versus current annual allowable emissions as shown below:

<u>Source</u>	<u>Current Allowable Emissions</u>		<u>New Allowable Emissions</u>	
	<u>(lb/hr)</u>	<u>T/yr)</u>	<u>(lb/hr)</u>	<u>T/yr)</u>
E-36 Blending Silos	37.20	--	1.45*	5.72*
F-31 Clinker Silo	34.20	--	1.45*	5.72*
D-31 Raw Mill #1	34.24	--	1.02**	4.18**
F-18 Clinker Cooler #1	7.13	--	7.13	28.14

\*not requested by applicant but same as similar #2 silos

\*\*not requested by applicant but same as Raw Mill #2 at same production rate



# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

**PERMITTEE:**

Moore McCormack Resources  
Inc., dba  
Florida Mining & Materials  
P. O. Box 6  
Brooksville, Florida 34605-0006

Permit Number: AC 27-191611

Expiration Date: Dec. 31, 1991

County: Hernando

Latitude/Longitude: 28°38'34"N

82°28'25"W

Project: Modification of Permit  
for F-18 (Clinker Cooler No. 1)

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code 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 drawings, 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 above No. 1 kiln auxiliary source to increase operating rates from 71 TPH to 84 TPH. 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 January 18, 1991.



PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191611  
Expiration Date: December 31, 1991

**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), 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 & Materials

Permit Number: AC 27-191611  
Expiration Date: December 31, 1991

**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 & Materials

Permit Number: AC 27-191611  
Expiration Date: December 31, 1991

**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 17-730.300, 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.

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.
- 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,

PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191611  
Expiration Date: December 31, 1991

**GENERAL CONDITIONS:**

report, or application unless otherwise specified by Department rule.

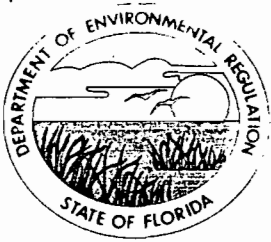
c. Records of monitoring information shall include:

- 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 operation hours shall not exceed 7896.
2. The Clinker Cooler No. 1 feed rate shall not exceed 84 tons/hour.
3. Particulate matter emissions shall not exceed 7.13 lbs/hr and 28.14 tons/year.
4. Visible emissions shall not exceed 10% opacity.
5. Before this permit expires, this source shall be sampled for visible emissions. Test procedures shall be in accordance with DER Method 9. The Department shall be notified in writing 15 days or more prior to the compliance test. The test shall be conducted at permitted production capacity or no less than 90% thereof. Actual production rate during the test shall be reported along with the emission results. Test reports shall be submitted to the Department's Southwest District office within 45 days of compliance test completion.
6. If the Department has reason to believe that the particulate mass emission standard is not being met, the permittee shall be required to demonstrate compliance using EPA Method 5 in accordance with 40 CFR 60, Appendix A.



# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

<b>PERMITTEE:</b>	<b>Permit Number:</b> AC 27-191616
<b>Moore McCormack Resources</b>	<b>Expiration Date:</b> Dec. 31, 1991
<b>Inc., dba</b>	<b>County:</b> Hernando
<b>Florida Mining &amp; Materials</b>	<b>Latitude/Longitude:</b> 28°38'34"N
<b>P. O. Box 6</b>	82°28'25"W
<b>Brooksville, Florida 34605-0006</b>	<b>Project:</b> Modification of Permit
	<b>for F-31 (Clinker Storage Silo)</b>

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code 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 drawings, 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 above No. 1 kiln auxiliary source to coincide with recent changes in operation of No. 1 kiln. 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 January 18, 1991.

**PERMITTEE:**  
Florida Mining & Materials

**Permit Number:** AC 27-191616  
**Expiration Date:** December 31, 1991

**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), 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 & Materials

Permit Number: AC 27-191616  
Expiration Date: December 31, 1991

**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 & Materials

**Permit Number:** AC 27-191616  
**Expiration Date:** December 31, 1991

**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 17-730.300, 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.

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.

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,



PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191616  
Expiration Date: December 31, 1991

**GENERAL CONDITIONS:**

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 operation hours shall not exceed 7896.
2. The F-31/Clinker Storage Silo feed rate shall not exceed 84 tons/hour.
3. Particulate matter emissions shall not exceed 1.45 lbs/hr and 5.72 tons/year.
4. Visible emissions shall not exceed 10% opacity.
5. Before this permit expires, this source shall be sampled for visible emissions. Test procedures shall be in accordance with DER Method 9. The Department shall be notified in writing 15 days or more prior to the compliance test. The test shall be conducted at permitted production capacity or no less than 90% thereof. Actual production rate during the test shall be reported along with the emission results. Test reports shall be submitted to the Department's Southwest District office within 45 days of compliance test completion.
6. If the Department has reason to believe that the particulate mass emission standard is not being met, the permittee shall be required to demonstrate compliance using EPA Method 5 in accordance with 40 CFR 60, Appendix A.

**PERMITTEE:**  
Florida Mining & Materials

**Permit Number:** AC 27-191616  
**Expiration Date:** December 31, 1991

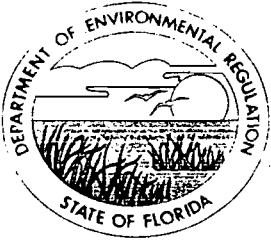
7. The permittee shall comply with all of the applicable provisions and requirements of F.A.C. Chapters 17-2, 17-4, and 40 CFR 60 Subpart F.
8. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).
9. An application for an operation permit must be submitted to the 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 \_\_\_\_\_, 1991

**STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION**

---

STEVE SMALLWOOD, P.E., Director  
Division of Air Resources  
Management



# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

**PERMITTEE:**

Moore McCormack Resources  
Inc., dba  
Florida Mining & Materials  
P. O. Box 6  
Brooksville, Florida 34605-0006

Permit Number: AC 27-191615

Expiration Date: Dec. 31, 1991

County: Hernando

Latitude/Longitude: 28°38'34"N

82°28'25"W

Project: Modification of Permit  
for E-36 (Blending & Storage  
Silos)

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code 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 drawings, 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 above No. 1 kiln auxiliary source to coincide with recent changes in operation of No. 1 kiln. 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 January 18, 1991.

**PERMITTEE:**  
Florida Mining & Materials

**Permit Number:** AC 27-191615  
**Expiration Date:** December 31, 1991

**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), 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 & Materials

Permit Number: AC 27-191615  
Expiration Date: December 31, 1991

**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 & Materials

Permit Number: AC 27-191615  
Expiration Date: December 31, 1991

**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 17-730.300, 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.

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.

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,

PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191615  
Expiration Date: December 31, 1991

**GENERAL CONDITIONS:**

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 operation hours shall not exceed 7896.
2. The E-36/Blending and Storage Silo feed rate shall not exceed 135 tons/hour.
3. Particulate matter emissions shall not exceed 1.45 lbs/hr and 5.72 tons/year.
4. Visible emissions shall not exceed 10% opacity.
5. Before this permit expires; this source shall be sampled for visible emissions. Test procedures shall be in accordance with DER Method 9. The Department shall be notified in writing 15 days or more prior to the compliance test. The test shall be conducted at permitted production capacity or no less than 90% thereof. Actual silo feed rate during the test shall be reported along with the emission results. Test reports shall be submitted to the Department's Southwest District office within 45 days of compliance test completion.
6. If the Department has reason to believe that the particulate mass emission standard is not being met, the permittee shall be required to demonstrate compliance using EPA Method 5 in accordance with 40 CFR 60, Appendix A.

**PERMITTEE:**  
Florida Mining & Materials

**Permit Number:** AC 27-191615  
**Expiration Date:** December 31, 1991

7. The permittee 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.
8. 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).
9. An application for an operation permit must be submitted to the 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 \_\_\_\_\_, 1991

**STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION**

---

STEVE SMALLWOOD, P.E., Director  
Division of Air Resources  
Management



ATTACHMENT 1

Available Upon Request



# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

**PERMITTEE:**

**Moore McCormack Resources  
Inc., dba  
Florida Mining & Materials  
P. O. Box 6  
Brooksville, Florida 34605-0006**

**Permit Number: AC 27-191612**

**Expiration Date: Dec. 31, 1991**

**County: Hernando**

**Latitude/Longitude: 28°38'34"N**

**82°28'25"W**

**Project: Modification of Permit  
for D-31 (Raw Mill No. 1)**

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code 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 drawings, 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 above No. 1 kiln auxiliary source to increase operating rates to coincide with the modified operating rates of other auxiliary sources. 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 January 18, 1991.

PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191612  
Expiration Date: December 31, 1991

**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), 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 & Materials

Permit Number: AC 27-191612  
Expiration Date: December 31, 1991

**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 & Materials

**Permit Number:** AC 27-191612  
**Expiration Date:** December 31, 1991

**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 17-730.300, 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.

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.
- 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,

PERMITTEE:  
Florida Mining & Materials

Permit Number: AC 27-191612  
Expiration Date: December 31, 1991

**GENERAL CONDITIONS:**

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 operation hours shall not exceed 7896.
2. The Raw Mill No. 1 production rate shall not exceed 145 tons/hour.
3. Particulate matter emissions shall not exceed 1.02 lbs/hr and 4.18 tons/year.
4. Visible emissions shall not exceed 10% opacity.
5. Before this permit expires, this source shall be sampled for visible emissions. Test procedures shall be in accordance with DER Method 9. The Department shall be notified in writing 15 days or more prior to the compliance test. The test shall be conducted at permitted production capacity or no less than 90% thereof. Actual process feed rate during the test shall be reported along with the emission results. Test reports shall be submitted to the Department's Southwest District office within 45 days of compliance test completion.
6. If the Department has reason to believe that the particulate mass emission standard is not being met, the permittee shall be required to demonstrate compliance using EPA Method 5 in accordance with 40 CFR 60, Appendix A.

**PERMITTEE:**  
Florida Mining & Materials

**Permit Number:** AC 27-191612  
**Expiration Date:** December 31, 1991

7. The permittee 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.
8. 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).
9. An application for an operation permit must be submitted to the 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 \_\_\_\_\_, 1991

**STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION**

---

STEVE SMALLWOOD, P.E., Director  
Division of Air Resources  
Management

ATTACHMENT 1

Available Upon Request



ATTACHMENT 1

Available Upon Request

PAM  
8-19-91  
Orlando, FL

File Copy



CROSS/TESSITORE & ASSOCIATES, P.A.

4763 S. CONWAY ROAD, SUITE F  
ORLANDO, FLORIDA 32812  
407/851-1484

RECEIVED

AUG 22 1991

Division of Air  
Resources Management

August 19, 1991

Mr. Bill Thomas  
Air Engineering Section  
FDER-Southwest District  
4520 Oak Fair Blvd.  
Tampa, Florida 33610-7347

Subject: Florida Mining and Materials  
Permit Nos. AC27-191611; AC27-191612  
Permit Nos. AC27-191615; AC27-191616  
Kiln No. 1 Auxiliary Sources  
C/TA # F03.174.

Dear Mr. Thomas:

As per our telephone conversation of August 16, 1991, due to Joe Tessitore being out of town and unavailable to complete the Certificate of Completion of Construction, you have agreed to extend the due date of August 16, 1991 until August 19, 1991.

Please find enclosed four copies of each permit number package of the FDER Air Pollution Sources Certificate of Completion of Construction for the following permitted sources:

Permit Number	Source	Identification	Permit Fee
AC27-191611	F-18	Clinker Cooler No. 1	\$750.00
AC27-191612	D-31	Raw Mill Kiln No. 1 Feed Collector	\$750.00
AC27-191615	E-36	Blending Silos	\$750.00
AC27-191616	F-31	Clinker Storage Silo	\$750.00

Also enclosed is a check in the amount of \$ 3,000, made payable to the Florida Department of Environmental Regulation, for the application processing fees necessary for the 5 year operating permits for the four (4) permit numbers.

Should you have any questions or comments, please do not hesitate to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "Gregory R. Gonzales", written over a light gray rectangular background.

Gregory R. Gonzales  
Environmental Specialist

GRG/dk

Enc.: a/s

cc: Bruce Mitchell - FDER Tallahassee  
John Reynolds - FDER Tallahassee  
Don Kelly - Florida Mining & Materials

C0105.Doc

VENDOR NO.	INVOICE DATE	DOCUMENT NO.	REMARKS	GROSS	DISCOUNT	NET AMOUNT
18126	8 15 91	71226		3,000.00	.00	3,000.00
	8 15 91	1628	** TOTAL	3,000.00	.00	3,000.00

DETACH BEFORE DEPOSITING

FLORIDA MINING & MATERIALS CORP.  
A SOUTHDOWN COMPANY

P.O. BOX 6  
BROOKSVILLE, FLORIDA 34605-0006

DRAWN ON Pittsburgh National Bank JEANNETTE, PENNSYLVANIA IN COOPERATION WITH WELLS FARGO BANK, N.A. #4759-008562		<b>FLORIDA MINING &amp; MATERIALS CORP.</b> <b>A SOUTHDOWN COMPANY</b> P.O. BOX 6 BROOKSVILLE, FLORIDA 34605-0006		33  <b>No. 001628</b>						
PAY TO THE ORDER OF <b>FLA DEPT OF ENVIRONMTL REGLTN</b> <b>4520 OAK FAIR BLVD</b> <b>TAMPA</b>		<table border="1"> <thead> <tr> <th>DATE OF CHECK</th> <th>CHECK NO.</th> <th>AMOUNT OF CHECK</th> </tr> </thead> <tbody> <tr> <td>8 15 91</td> <td>1628</td> <td>*****3,000.00</td> </tr> </tbody> </table>		DATE OF CHECK	CHECK NO.	AMOUNT OF CHECK	8 15 91	1628	*****3,000.00	VOID AFTER 90 DAYS <b>FLORIDA MINING &amp; MATERIALS CORP.</b>  <i>James L. ...</i> <i>Karen A. Twitchell</i>
DATE OF CHECK	CHECK NO.	AMOUNT OF CHECK								
8 15 91	1628	*****3,000.00								

174  
FD3. ~~174~~

F M & M

FROM F. D. E. R. SW DISTRICT

*Review*

**Receipt** Date 8-19 19 91 No. 147630

RECEIVED FROM Gila Mining + Mat. \$3,000.00

Three thousand 00 DOLLARS

FOR Acknowledge of Cert. of Comp.

FROM \_\_\_\_\_ TO \_\_\_\_\_

ACCOUNT	<input type="radio"/> cash
PAYMENT	<input type="radio"/> check
BALANCE DUE	<input type="radio"/> money order

BY M. Gorsuch SC 1182

by MURIEL GORSUCH

- Certificate of Completion of Construction
- E-36 Blending Silo AC27-191615
  - F-18 Clinker Cooler no1 AC27-191611
  - D-31 Saw Mill Kiln #1 Feed Collector AC27-191612
  - F-31 Clinker Storage Silo AC27-191616

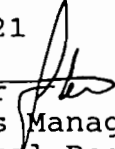


State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: <u>File Log</u>	Location _____
To: _____	Location: _____
To: _____	Location _____
From: _____	Date: _____

# Interoffice Memorandum

TO: Richard Maxey, Governmental Analyst  
Office of Planning & Budgeting  
Governor's Office  
Carlton Building, Room 421

FROM: Steve Smallwood, Director   
Division of Air Resources Management  
Department of Environmental Regulation

DATE: July 29, 1991

SUBJ: Response to Paul J. Furman's Inquiry  
Florida Mining & Materials-Hernando County

Please find attached the Department's response to Mr. Furman's letters of December 20, 1990, and February 4, 1991. The third letter of March 28, 1991, was a cover letter transmitting the referenced letters to the Department, again, which does not require a response (note: the Bureau of Air Regulation has been unable to find any record of ever receiving the first two letters).

The request for an administrative hearing, which is the fourth letter Mr. Furman referenced, has been assigned to Mr. Doug Beason, Esq., with the Department's Office of General Counsel. It is my understanding that Mr. Beason will call or write to you about Mr. Furman's hearing request within the next few days.

If you need any additional information, please give me or Clair Fancy a call at 488-1344.

SS/BM/rbm

Attachment

cc: K. Barr, O/SEC-DER  
D. Beason, Esq., OGC-DER  
Bruce Mitchell }  
Ready File } 8-1-91 rm

Department of Environmental Regulation  
**Routing and Transmittal Slip**

To: (Name, Office, Location)

\* SAC/AL (DARRM #295)

1.

Steve

Due: Tu 30 July 91 (AM)

2.

~~Claw Forestry~~

3.

Draft memo to go

4.

to Maxey Tues over

Remarks:

The letter on top with the attached post-it came over from Richard Maxey of the Gov's office. I asked Barry to check into it. It turns out Bruce has talked to Mr. Furman at length and thought he had him satisfied. (Bruce assembled the other correspondence here.) The fourth letter from Mr. Furman, sent after speaking with Bruce, is not in our files but was apparently rec'd by OGC and logged in as a request for hearing by the SW District attorney (over).

From

Lamy

Date

7/23

Phone

06/00/91

Air Resources

OPB  
Complaint

13424 Brooksville Rock Road  
Brooksville, Florida 34614  
June 12, 1991

RECEIVED

JUL 17 1991

Division of Air  
Resources Management

Office of the Governor  
The Capitol  
Tallahassee, Florida 32302

RE: Florida Mining and Materials - Hernando County

Gentleperson:

I am having some difficulty communicating with the Florida Department of Environmental Regulation and I am requesting your assistance.

I have written four letters to the Department since December 1990 and have yet to receive a response. All of these letters concerned the modification of permits for emissions from the cement kilns at Florida Mining and Materials near Brooksville. My most recent letter was a request for an administrative hearing in accordance with Section 120.57, Florida Statutes. This letter was received by the Office of General Counsel of the Department six days after the publication of a legal notice in a local newspaper on April 17, 1991. Since I am entitled to an administrative hearing according to the Statute, I anticipated that I would have heard something from the Department by now.

Please see if your office can open the channel of communication between the Department of Environmental Regulation and the public. I will very much appreciate whatever you can do.

Sincerely,



Paul J. Furman



06/00/91

Air Resources

OpB  
Complaint

13424 Brooksville Rock Road  
Brooksville, Florida 34614  
June 12, 1991

RECEIVED

Office of the Governor  
The Capitol  
Tallahassee, Florida 32302

JUL 17 1991

RE: Florida Mining and Materials - Hernando County

Division of Air  
Resources Management

Gentleperson:

I am having some difficulty communicating with the Florida Department of Environmental Regulation and I am requesting your assistance.

I have written four letters to the Department since December 1990 and have yet to receive a response. All of these letters concerned the modification of permits for emissions from the cement kilns at Florida Mining and Materials near Brooksville. My most recent letter was a request for an administrative hearing in accordance with Section 120.57, Florida Statutes. This letter was received by the Office of General Counsel of the Department six days after the publication of a legal notice in a local newspaper on April 17, 1991. Since I am entitled to an administrative hearing according to the Statute, I anticipated that I would have heard something from the Department by now.

Please see if your office can open the channel of communication between the Department of Environmental Regulation and the public. I will very much appreciate whatever you can do.

Sincerely,



Paul J. Furman

Steve:

Could you please have your staff provide me with either a verbal or written (copy of letter, etc) update on this. My number is 487-4612. I will use info for Governor's response.

Thanks  
Richard Meyer

I N T E R O F F I C E   M E M O R A N D U M

Date: 26-Apr-1991 02:34pm GMT  
From: Iris Littleton  
LITTLETON\_I  
Dept: Office General Counsel  
Tel No: 904/488-9730

TO: DUANE REVELL ( REVELL,DUANE )  
CC: Pat Manning ( MANNING\_P )  
Subject: New OGC Case Assignments

TO: Duane Revell  
FROM: Iris - OGC - Tallahassee

Received 4/23/91 request for an Administrative Hearing from Paul J. Furman against intent to issue permits AC27-191611, AC27-191612, AC27-191615, and AC27-191616 to Florida Mining and Materials.

I N T E R O F F I C E   M E M O R A N D U M

Date: 26-Apr-1991 02:34pm GMT  
From: Iris Littleton  
LITTLETON\_I  
Dept: Office General Counsel  
Tel No: 904/488-9730

TO: DUANE REVELL

( REVELL,DUANE )

CC: Pat Manning

( MANNING\_P )

Subject: New OGC Case Assignments

TO: Duane Revell

FROM: Iris - OGC - Tallahassee

Received 4/23/91 request for an Administrative Hearing from Paul J. Furman against intent to issue permits AC27-191611, AC27-191612, AC27-191615, and AC27-191616 to Florida Mining and Materials.

P 832 539 825



**Certified Mail Receipt**

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

Sent to Mr. Paul J. Furman	
<del>13424</del> Brooksville Rock Road Brooksville, Florida 34614	
P.O., State & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$
Postmark or Date mailed: 7/23/91 Request Letters (2) for information on FM&M.	

PS Form 3800, June 1990

*Certified green card not received as of 11-22-91*



# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

July 19, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Paul J. Furman  
13424 Brooksville Rock Road  
Brooksville, Florida 34614

Dear Mr. Furman:

Re: Response to Letters of December 20, 1990 and February 7, 1991  
Florida Mining & Materials: Cement Kilns Nos. 1 and 2

The Department has reviewed the above referenced letters (attached), which requested additional information regarding air related activities at Florida Mining & Materials (FM&M) for the Cement Kilns Nos. 1 and 2. The following are the Department's Bureau of Air Regulation's (BAR) response(s) to the comments contained in your letters, which will not be repeated, but will be numbered as they are in the letters:

A. Letter of December 20, 1990

1. The Technical Evaluation and Preliminary Determination (TE&PD; attached), dated November 20, 1990, contains a table that displays the affected sources and their emission(s) projections as they relate to review pursuant to Florida Administrative Code (F.A.C.) Rule 17-2.500, Prevention of Significant Deterioration.
2. For permitting purposes, the Department's BAR has the charge to evaluate and issue air related permits for a source, which is the smallest operation requiring permitting and is defined pursuant to F.A.C. Rule 17-2.100, Definitions.

Based on the TE&PD, the modification was minor in nature and not considered significant pursuant to F.A.C. Chapter 17-2, Table 500-2 (attached).

Mr. Paul J. Furman  
July 19, 1991  
Page Two

B. Letter of February 4, 1991

1. The hazardous waste storage facility has not been permitted by the Department. The re-refined oil in question, Flolite, is not considered a hazardous waste material. Please find attached copies of some pertinent data related to the re-refined oil.
2. If the projects had been combined and evaluated as such, the Department's Final Determination would not have been different.
3. Cement Kiln No. 2 was permitted to use the re-refined oil (Flolite) via air construction permit No. AC 27-173474, issued July 20, 1990.
4. The technical evaluations of FM&M's construction and compliance activities regarding the use of the re-refined oil (Flolite) have not revealed any additional air quality impacts.
5. Since the re-refined oil (Flolite) is not considered to be a hazardous waste material, then it should not be considered as a prelude to any hazardous waste burning/combustion.

If there are any questions, please call Mr. Bruce Mitchell at 904-488-1344 or write to me at the above address.

Sincerely,

*Bruce Mitchell*  
for C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

CHF/BM/rbm

Attachments

- c: Rep. Charles R. Smith, Brooksville  
B. Thomas, SW District  
S. Smallwood, DARM  
G. Smallridge, Esq., DER  
C. Hetrick, HCBCC  
D. Kelly, FM&M  
P. Cunningham, Esq., HBG&S

Reading File

Bruce Mitchell

Richard Maxey: Executive Office of the Governor  
Office of Planning and Budgeting  
The Capitol  
Tallahassee, FL 32399-0001

} 7/23/91 RM

Attachment 1

RECEIVED

MAR 28 1991

DER-BAOM

13424 Brooksville Rock Road  
Brooksville, Florida 34614  
March 22, 1991

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

RE: Florida Mining and Materials - Hernando County

Dear Mr. Mitchel:

Thank you once again for your time this past Monday and discussing the permitting of facilities at Florida Mining and Materials (FM&M). I applaud your efforts to insure breathable air for all of us in the future.

I share your disappointment with FDER's lack of accountability for the apparent loss of my two letters regarding recent modifications to the permits at FM&M. For your information and action I have enclosed a copy of this correspondence. I would appreciate your written response to the two letters. There is no need for you to get into great detail in answering my questions.

While I was very interested in your comments during our conversation, I would also like to make a suggestion to you. If you are, as you say, truly concerned about the views of other people who may be directly affected by air pollution sources, be a better listener and be more courteous by not interrupting another's remarks.

Thank you for your consideration.

Yours truly,



Paul J. Furman



13424 Brooksville Rock Road  
Brooksville, Florida 34614  
December 20, 1990

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

RE: Florida Mining and Materials cement plant- Hernando County

Dear Mr. Andrews:

I would like some information concerning FDER's further modification of permits for the No.2 kiln at Florida Mining and Materials:

- 1.) Please identify the "auxiliary sources" contributing to increased emissions.
- 2.) Please explain why seperate permit modifications are made for the kiln and the auxiliary sources. Will the combined increase in emissions from these facilities be considered significant?

Thank you for your co-operation.

Sincerely,



Paul J. Furman

13424 Brooksville Rock Road  
Brooksville, Florida 34614  
February 4, 1991

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

RE: Florida Mining and Materials cement plant- Hernando County

Dear Mr. Andrews:

I have read the Department's "Notice of Intent to Issue" a permit to Florida Mining and Materials as published in the "Sun Journal" on January 29. This is for the modification of the No.1 kiln at the cement plant.

Please provide me with answers to the following questions.

- 1.) Has the hazardous waste storage facility at FM&M been permitted by FDER? If not, how will the re-refined oil be stored and transferred safely?
- 2.) Is the proposed modification of the No. 1 kiln in any way related to the recent modifications of the permits for the No.2 kiln?
- 3.) Will the No.2 kiln also be permitted to burn re-refined oil?
- 4.) Will the burning of re-refined fuel in the No.1 kiln create any additional air quality impacts?
- 5.) Is this permit a prelude to the burning of other hazardous fuels in the kilns?

In addition, please respond to my letter of December 20,1990 addressed to you and regarding the modification of permits for kiln No.2 at FM&M as advertized on December 7,1990.

Thank you.

Sincerely,



Paul J. Furman

Attachment 2

Technical Evaluation  
and  
Preliminary Determination

Florida Mining and Materials  
Brooksville, Hernando County, Florida

Modification to Permits for Kiln No. 2 Auxiliary Sources  
Permit Nos. AC 27-185898, 27-185900 thru -185907

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

November 20, 1990

## I. Application

### A. Applicant

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

### B. Request

The Department received nine complete applications on August 30, 1990 for permit modifications involving auxiliary sources for kiln No. 2 at the applicant's cement plant in Brooksville, Florida. The modifications were necessary to coincide with recent modifications in the permit for kiln No. 2 (AC 27-173474).

### 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

The applicant proposes to modify the construction permits of kiln No. 2 auxiliary sources in order to make them consistent with the recent permit changes for kiln No. 2 (AC 27-173474). This involves adjustments to current permit limits for production rates, operating hours and emissions. The net change in the proposed annual allowable emissions vs. current annual actual emissions is essentially zero, while the change in hourly emissions is only 0.39 lbs/hr as shown below:

Source	Current Allowable Emissions		Current Actual Emissions		Proposed Allowable Emissions		Net(1) Change	
	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
H-13/Raw Mill #2	1.02	4.00	(2)		1.02	4.18	0	+0.18
G-11/Blending Silo #2	3.94	15.60	0.76	3.00	0.94	3.53	+0.18	+0.53
K-09/Clinker Cooler	7.10	28.00	3.82	15.08	5.00	20.50	+1.18	+5.42
L-07/Clinker Silo	1.45	5.70	(2)		1.45	5.95	0	+0.25
M-09/Clinker Handling	0.51	2.00	(2)		0.51	1.91	0	-0.09
M-10/Clinker Handling	1.45	5.70	(2)		1.45	5.44	0	-0.26

Table Continued:

Source	Current Allowable Emissions		Current Actual Emissions		Proposed Allowable Emissions		Net(1) Change	
	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
N-23/Finish Mill	7.88	31.10	3.20	12.63	4.00	15.00	+0.80	+2.37
N-27/Finish Mill	1.46	5.80	(2)		1.00	3.75	-0.46	-2.05
P-05/Cement Silo	1.97	7.80	(2)		1.00	3.75	-0.97	-4.05
P-07/Cement Silo	0.94	3.70	(2)		0.50	1.88	-0.44	-1.82
Q-17/Cement Silo- Loadout	0.94	3.70	(2)		0.50	1.88	-0.44	-1.82
M-3514/Cement Bagging	1.71	8.90	0.36	1.46	0.60	1.87	+0.24	+0.41
C-11A/Raw Materials Storage	0.86	3.60	(2)		0.86	3.40	0	-0.20
M-2280/Raw Materials Pre-mix	1.71	6.95	0.30	1.22	0.60	2.37	+0.30	+1.15
							Total	+0.39 -0.02

(1) Current actual vs. proposed allowable.

(2) Same as current allowable.

### III. Rule Applicability

The construction permit applications are 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 particulate matter emissions. Although the kiln is a major source, the proposed net increase in emissions is essentially zero and therefore the proposed modifications are not subject to the new source review requirements of F.A.C. Rule 17-2.500. Applicable rules are F.A.C. Rule 17-2.600(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 permit modifications to kiln No.2 auxiliary sources, 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.

*Barry J. Anderson*  
# 36024  
11-21-90

Attachment 3



Coal cleaning plants (with thermal dryers)		(24-Hour Average)
Kraft pulp mills	Vinyl chloride	15
Portland cement plants	Sulfur dioxide	13
Primary zinc smelters	Total suspended particulate	10
Iron and steel mill plants	PM <sub>10</sub>	10
Primary aluminum ore reduction plants	Fluorides	0.25
Primary copper smelters	Mercury	0.25
Municipal incinerators capable of charging more than 250 tons of refuse per day	Beryllium	0.001
Hydrofluoric acid plants		(8-Hour Average)
Sulfuric acid plants	Carbon monoxide	575
Nitric acid plants		(1-Hour Average)
Petroleum refineries	Hydrogen sulfide	0.2
Lime plants	Ozone	No de minimis air quality level is provided for ozone. However, any net increase of 100 tons per year or more of volatile organic compounds subject to NSR would be required to perform an ambient impact analysis, including the gathering of ambient air quality data.
Phosphate rock processing plants		
Coke oven batteries		
Sulfur recovery plants		
Carbon black plants (furnace process)		
Primary lead smelters		
Fuel conversion plants		
Sintering plants		
Secondary metal production plants		
Chemical process plants		
Fossil fuel boilers (or combinations thereof) totaling more than 250 million Btu/hr heat input		
Petroleum storage and transfer units with total storage capacity exceeding 300,000 barrels		
Taconite ore processing plants		
Glass fiber processing plants		
Charcoal production plants		

*Specific Authority 403.061 FS. Law Implemented 403.021, 403.031, 403.061, 403.087 FS. History—Formerly 17-2.03, 17-2.04, Revised 1-16-72, Amended 12-28-74, 6-10-76, 12-1-77, 6-8-78, Amended and Renumbered 11-1-81, Amended 1-12-82, 11-25-82, 7-21-83, 2-28-84, 8-14-85, 5-28-86, 10-20-86, 5-30-88, 7-9-89.*

TABLE 500-2  
REGULATED AIR POLLUTANTS — SIGNIFICANT EMISSION RATES

Pollutant	Significant Emission Rate (Tons Per Year)
Carbon monoxide	100
Nitrogen oxides	40
Sulfur dioxide	40
Ozone	40 VOC
Particulate matter	25
PM <sub>10</sub>	15
Total reduced sulfur (including H <sub>2</sub> S)	10
Reduced sulfur compounds (including H <sub>2</sub> S)	10
Sulfuric acid mist	7
Fluorides	3
Vinyl chloride	1
	(Pounds Per Year)
Lead	1200
Mercury	200
Asbestos	14
Beryllium	0.8

TABLE 500-3  
DE MINIMUS AMBIENT IMPACTS

Pollutant	Concentration (Micrograms Per Cubic Meter (Annual Average))
Nitrogen dioxide	14
	(Quarterly Average)
Lead	0.1

ANNOTATIONS

*Site-specific criteria*  
Appellant is certificated to operate its Crystal River electrical power plant within limitations for sulfur dioxide emissions derived at time of certification from Rule 17-2.04 (1978). Court affirmed Department's declaration that appellant may not by self-executing choice under F. S. A. § 403.511(5)(b) operate plant instead in compliance with new Rule 17-2.500 (1981), which would yield less stringent emission restrictions, because conditions of plant's operation were "site-specific," plant being in proximity to wilderness area. Florida Power Corp. v. State, Department of Environmental Regulation, App. (1st) 431 So. 2d 684 (1983).

17-2.510 New Source Review for Nonattainment Areas.

- (1) General Prohibitions.
  - (a) The combined impact of new emissions, emissions offsets, temporary emissions and existing emissions within any nonattainment area or area of influence shall not interfere with reasonable further progress (RFP) toward attainment of ambient air quality standards.
  - (b) In an area designated nonattainment pursuant to Rule 17-2.410 without an approved State Implementation Plan (SIP) which defines RFP, the Department shall require sufficient emissions offsets to provide a significant net air quality improvement in the affected area pursuant to Rule 17-2.510(4)(d)2.
  - (c) The Department shall include appropriate conditions in each permit issued to insure that the

Attachment 4

**EXHIBIT III-1**  
**FLOLITE MANUFACTURER'S DATA**

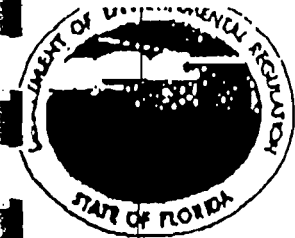
Flolite is a blend of "on-specification" re-refined oil and virgin fuel oils which has the physical characteristics of #5 oil. Flolite will only be used during start-up of kiln operations and during periods when raw materials feed is stopped and kiln temperature must be maintained.

The precise formulation of Flolite is proprietary information of the International Petroleum Corporation (IPC); however, virgin fuel normally constitutes less than 50% of the blended product. The following items are presented as Flolite specifications:

- A release from the Federal EPA which states their position that IPC's finished product is equivalent to virgin fuel oil.
- A copy of a certified analysis which is indicative of IPC's typical specifications for finished product.
- A copy of the Department of Environmental Regulation's approval for use of IPC's Flolite.

EXHIBIT III-1

Page 1 of 5



*Florida Department of Environmental Regulation*

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

Bob Martinez, Governor

Dale Ivachmann, Secretary

John Shearer, Assistant Secretary

January 23, 1989

Mr. A. M. Malatino, President  
International Environmental Services, Inc.  
105 S. Alexander Street  
Plant City, Florida 33566

Dear Mr. Malatino:

In reference to the analysis (enclosed) on the re-refined oil submitted on January 13, I do not have any objections to the use of this product as a phosphate flotation oil.

Phosphate companies using this re-refined oil annually would not be required to register with the Department as a used oil collection and recycling facility. Also, annual reports and recordkeeping would not be required of them.

If you have any further questions or comments, please let me know.

Sincerely,

David H. Kelley  
Environmental Specialist  
Bureau of Waste Planning  
and Regulation

DHR/ps

Enclosure

cc: Clabe Polk

EXHIBIT III-1

Page 2 of 5

INTERNATIONAL ENVIRONMENTAL SERVICES, INC.



105 South Alexander St. • Plant City, Florida 33506 • (813) 751-2373  
Tampa (813) 229-0870 • Miami Office 1-800-837-9878 • FAX (813) 754-3700  
Florida Wats 1-800-762-1104

CERTIFIED ANALYSIS

TO: INTERNATIONAL ENVIRONMENTAL SERVICES PROJECT NO. IES #5 OIL  
ATTN: MR. TONY MALATINO  
105 SOUTH ALEXANDER STREET  
PLANT CITY, FL. 33566  
SAMPLED BY: IES

DATE COLLECTED: 1-04-89

IDENTIFICATION: RE-REFINED OIL

DATE COMPLETED: 1-10-89

API GRAVITY AT 60 DEGREES F	25-28
SULFUR	0.50%
VISCOSITY SSU AT 100 DEGREES F	240
POUR POINT, DEGREES F	0 DEGREES F
ASPHALTINES	<1.0%
SEDIMENT BY EXTRACTION	TRACE
WATER BY DISTILLATION *	TRACE
TOTAL BOTTOM SEDIMENT AND WATER	1.0% MAX
CADMIUM PPM	<0.3
LEAD PPM (LEACHABLE) BY E. P. TOXICITY	<5.0
ARSENIC PPM	<1.0
CHROMIUM PPM	<1.3
POLYCHLORINATED BIPHENYLS (PCB'S)	BDL*
FLASHPOINT	150 DEGREES MIN

\* BELOW DETECTION LIMIT (1.0 PPM)

Results expressed in  mg/l (ppm)  ug/l (ppb)  
 mg/kg (ppm)  ug/kg (ppb)

Certified by: *Anthony M. Malatino*  
Analyst

State of Florida Certification: ES4180 and HHS 84300

METHODS: "Standard Methods for the Examination of Water and Wastewater"; Latest Edition, APHA, AWWA, and WPCF and/or other EPA approved methods which meet FDA protocol, unless otherwise designated.

QUALITY CONTROL: Quality Assurance Project Plan No. 8703190.  
Quality Assurance Quality Control No. 873190

## EXHIBIT III-1

Page 3 of 5

NOTE NEXT TO LAST FACILITY FILE  
 OLD RULES 21 AND 5. 0-12

INFORMATION BULLETIN FOR PUBLIC RELEASE  
 EPA CONCERNS ABOUT THE USED OIL RECYCLING SYSTEM

The Environmental Protection Agency (EPA) is becoming increasingly concerned about disruptions in the used oil recycling system that are occurring because of the fall in virgin fuel oil prices and because of misunderstanding and confusion about EPA's regulations.

There are only a few presently effective requirements for used oil management. Used oil generators should not mix spent solvents with used oils. These mixtures must be managed as hazardous wastes. Used oil fuel dealers must register with EPA. They may sell off-specification used oil fuels (used oil fuels with high metals concentrations) only to industrial burners. On-specification used oil fuels may be sold to anyone. Off-specification used oil burners must register with the Agency.

### Background

In 1980 and 1984 Amendments to the Resource Conservation and Recovery Act (RCRA), Congress directed EPA to consider regulating used oils to protect human health and the environment. At the same time, however, EPA must consider the impacts of regulations on used oil recycling, on small businesses, and small generators. EPA has divided the used oil regulatory program into three stages.

(1) EPA has begun regulation of used oil recycling with a rule to

- discourage mixing hazardous wastes, such as spent solvents, into used oils; and
- ban the combustion of used oil fuels with high metals concentrations in non-industrial facilities, such as schools and apartments.

This rule was proposed on January 11, 1985; promulgated on November 29, 1985; and became fully effective on May 29, 1986.

*Holloway* (2) We have also begun the next stage of regulating the used oil system with the proposed listing and management standards published on November 29, 1985. EPA is now evaluating the many public comments received in response to this notice (and a supplementary March 10, 1986 notice). We expect to make final decisions this fall. These final rules will be effective six months after publication.

*Holloway* (3) In a final stage, EPA expects to control combustion devices that burn used oil fuels with high metals content. The rules are expected to be proposed this fall, at the earliest. Final decisions should be completed by the end of 1987. Again, final rules will be effective six months after that.

## EXHIBIT III-1

Page 4 of 5

Current Problems

There are two major problems in the used oil recycling system. First, generators are confused about the status of used oil. Many are surprised that they often must pay to have used oil hauled away. Second, industrial burners are confused about the status of used oil. Many have stopped burning used oil.

Used Oil Generators

Used oil is commonly produced from engine, machine, and vehicle maintenance. Used oils are typically recycled -- usually as fuel, either on-site or after sale to used oil collectors. In the past, generators were paid as much as forty cents per gallon for used oil (in mid-1985, twenty cents per gallon was most typical). The price paid to generators was high because virgin fuel prices were high. The recent fall in virgin fuel prices has depressed used oil prices. Because of this, some generators are now paying for used oil pickups.

The only Federal rule that currently applies to used oil generators is the prohibition on mixing hazardous wastes, such as spent solvents, with used oil. The resulting mixture (regardless of halogen concentrations) is regulated as a hazardous waste, and the facility has to comply with hazardous waste generator regulations. Used oil itself is not currently listed as a Federal hazardous waste. There are no other used oil rules that apply to used oil generators.

Used Oil Collectors, Processors, and Marketers

Used oil businesses have greater responsibilities under EPA's regulatory framework. When these facilities sell (or use) as fuel used oil that contains toxic metals, they are responsible for sending it to the proper type of burner. These "off-specification" used oils may be sold only to industrial burners. Used oil may be off-specification because of arsenic, cadmium, chromium, lead, inorganic halogens, or flashpoint. Facilities selling off-spec used oils must notify EPA.

Used oil fuels that are on-specification are essentially equivalent to virgin fuels. Under the used oil rules, on-spec oil is totally exempt from regulation. Facilities that are the first to claim that used oil fuels meet the specification must also notify the Agency.

Because these used oil businesses control the quality and destinations of recycled used oils, EPA's upcoming regulatory strategy focuses on these facilities. The Agency is evaluating the comments received on the proposal.

## EXHIBIT III-1

Page 5 of 5

### Used Oil Burners

The final rule of November 29 required industrial facilities that wished to burn off-specification used oil to notify the Agency. We wanted to establish some accountability and a means of tracking the sale of off-specification fuels to the proper facilities. The notification is merely a one-time requirement that serves the limited purpose of aiding in implementation of the ban on burning off-specification used oil fuels in non-industrial boilers. By notifying, burners do not indicate that they are burning hazardous waste. Nor does notification bind burners to follow any particular standards for burning or storing the used oil fuel. For our convenience, we suggested that facilities notify the Agency using a modified hazardous waste notification form (Form 8700-12). Our intent was not to suggest that off-specification used oil fuels were hazardous wastes, nor that these facilities were hazardous waste facilities. Facilities are free to notify using other means, provided that all required information is provided.

The only Federal requirements from the November 29 final rule that apply to burners who purchase or receive off-specification used oil fuel are limited "paperwork" standards, namely:

1. to notify the Agency as an off-specification used oil burner (§266.44(b))(a one-time requirement),
2. to inform used oil suppliers that the burner has notified the Agency, and will burn off-spec oil in an industrial device only (§266.44(c)), and
3. to keep invoices of shipments received (§266.44(e)).

At this time, there are no other Federal requirements that apply. Used oil is not now a Federally-listed hazardous waste. The November 29 final rule does not impose any Federal storage requirements for used oils. EPA does not require used oil facilities to obtain liability insurance for storage or burning of used oil. The November 29 final rule does not require facilities burning off-spec used oil fuel to have air pollution control devices.

Used oil fuels that meet the fuel specifications are totally exempt from regulation. Burners of on-spec oil need not notify the Agency. We judge specification used oil fuels to be essentially equivalent to virgin fuel oils. There are no plans to change this finding.

### For Further Information

EPA is concerned about the current state of the used oil recycling system. We will continue to consider impacts on used oil recycling in our deliberations. If you have additional questions, please contact the RCRA/Superfund Hotline (800/424-9346 or 202/382-3000).





CROSS/TESSITORE & ASSOCIATES, P.A.

4763 S. CONWAY ROAD, SUITE F  
ORLANDO, FLORIDA 32812  
407/851-1484

April 19, 1991  
F03.182

D. E. R.

APR 22 1991

SOUTHWEST DISTRICT  
TAMPA

Mr. Bill Thomas, P.E.  
Air Engineering Section  
FDER-Southwest District  
4520 Oak Fair Blvd.  
Tampa, Florida 33610-7347

SUBJECT: Florida Mining & Materials  
Kiln No. 1 Auxiliary Sources  
Proof of Publication

Dear Mr. Thomas:

Please find enclosed the affidavit of legal publication, dated April 17, 1991, on the subject notice of Intent to Issue for modification of Kiln No. 1 auxiliary sources located in Brooksville, Florida.

Should you have any questions, please do not hesitate to contact me.

Sincerely,

Gregory R. Gonzales  
Environmental Specialist

GRG:kim  
Enc.a/s  
cc: Ralph Shepard FM&M

*G. Reynolds*

DEPARTMENT OF ENVIRONMENTAL REGULATION

**ROUTING AND TRANSMITTAL SLIP**

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

Initial

*Clare Fandy* RECEIVED

Date

2.

APR 26 1991

Initial

Date

3.

DER - BAQM

Initial

Date

4.

Initial

Date

REMARKS:

*I believe this should have been sent to you.*

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

FROM:

*Harry Keres*

DATE

*4/23/91*

PHONE

AFFIDAVIT OF LEGAL PUBLICATION

The Sun-Journal
Published Wednesday
Brooksville, Hernando, Florida
STATE OF FLORIDA
COUNTY OF HERNANDO

Before the undersigned authority personally appeared J.F. Bouldin, who on oath says he is General Manager of the Sun-Journal, a weekly newspaper published at 703 Lamar Ave., Brooksville in Hernando County, Florida; that the attached copy of advertisement, being a legal advertisement in

the matter of Notice of Intent
in the Court
was published in said newspaper in the issues of
4-17

Affiant says that the said Sun-Journal is a newspaper published at 703 Lamar Ave., Brooksville, in said Hernando County, Florida, and that said newspaper has heretofore been continuously published in said Hernando County, Florida, each Wednesday and has been entered as second-class mail matter at the post office in Brooksville, in said Hernando County, Florida, for a period of 1 year next preceding the first publication of the attached copy of advertisement; and further says that he has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

J. F. Bouldin
General Manager, The Sun-Journal

Sworn to and subscribed before me this 17th day of

April 1991 A.D.

BY Notary Public

Filed 19, at O'clock M. and Recorded in

Book No., Page

Record Verified

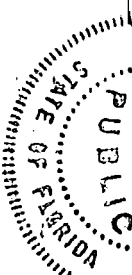
Clerk, Court, Hernando County, FL

By D.C.

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 permits to Florida Mining and Materials, P.O. Box 6, Brooksville, Florida 34605-6000, to modify permits for kiln No. 1 auxiliary sources at their Brooksville cement plant. The permit modifications involve adjustments to current limits for production rate, operating hours and emissions, in order to make them consistent with other recent permit changes. The net change in the proposed annual emissions versus current actual emissions is essentially zero. These permit modifications do not involve processing or combustion of hazardous wastes or toxic materials. The applicant's facility is located off U.S. 98 Highway 98 northwest of Brooksville, Florida 33823. A determination of Best Available Control Technology (BACT) was required. 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 Blvd.
Tampa, Florida 33610-7347
Any person may send written comments on the proposed action to Mr. Barry Andrews 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.
PUBLISH: April 17, 1991



NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXP SEPT. 27, 1994
BONDED THRU GENERAL INS. UND.



CROSS/TESSITORE & ASSOCIATES, P.A.

4763 S. CONWAY ROAD, SUITE F  
ORLANDO, FLORIDA 32812  
407/851-1484

January 17, 1991

Mr. Bruce Mitchell  
Division of Air Resources Management  
Permitting and Standards Section  
Florida Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blirstone Road  
Tallahassee, FL 32399-2400

RECEIVED  
JAN 18 1991  
DER-BAQM

Subject: Florida Mining and Materials  
Kiln No. 1 Auxiliary Source Permits  
(C/TA # F03.182)

Dear Mr. Mitchell:

Please find enclosed three (3) copies of the Applications to Amend the following permits:

AO27-143884  
AO27-102582  
AO27-143886  
AO27-183901  
AO27-112105  
AO27-183904

These permits represent various auxiliary sources in the No. 1 Cement Kiln System at the Florida Mining and Materials facility. The applications are submitted as per your request in order to process the permit amendments desired to optimize plant efficiency. Also enclosed are six (6) checks each for the required permit fee of \$200.00.

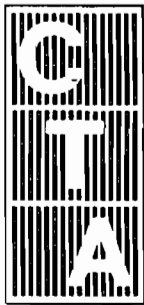
Please do not hesitate to contact me should you have any questions or comments regarding these applications.

Sincerely,

*Joseph L. Tessitore*  
Joseph L. Tessitore, P.E.  
Vice President *KP*

JLT/kp  
Encl: a/s  
cc: Hank Andre - FM&M  
C5551.Doc

*q. Reynolds*  
*B. Thomas, SW Dist*



CROSS/TESSITORE & ASSOCIATES, P.A.

4763 S. CONWAY ROAD, SUITE F  
ORLANDO, FLORIDA 32812  
407/851-1484

RECEIVED  
BER - MAIL ROOM  
1991 JAN 18 PM 12:20

January 17, 1991

Mr. Bruce Mitchell  
Division of Air Resources Management  
Permitting and Standards Section  
Florida Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blairstone Road  
Tallahassee, FL 32399-2400

Subject: Florida Mining and Materials  
Kiln No. 1 Auxiliary Source Permits  
(C/TA # F03.182)

Dear Mr. Mitchell:

Please find enclosed three (3) copies of the Applications to Amend the following permits:

AO27-143884  
AO27-102582  
AO27-143886  
AO27-183901  
AO27-112105  
AO27-183904

These permits represent various auxiliary sources in the No. 1 Cement Kiln System at the Florida Mining and Materials facility. The applications are submitted as per your request in order to process the permit amendments desired to optimize plant efficiency. Also enclosed are six (6) checks each for the required permit fee of \$200.00.

Please do not hesitate to contact me should you have any questions or comments regarding these applications.

Sincerely,

*Joseph L. Tessitore*  
Joseph L. Tessitore, P.E.  
Vice President *KP*

JLT/kp  
Encl: a/s  
cc: Hank Andre - FM&M  
C5551.Doc

001031

ENDOR NO.	INVOICE DATE	DOCUMENT NO.	REMARKS	GROSS	DISCOUNT	NET AMOUNT
12885	1 3 91	91003	#A027-1 3884	200.00	.00	200.00
	1 3 91	27692	** TOTAL	200.00	.00	200.00

DETACH BEFORE DEPOSITING

**FLORIDA MINING & MATERIALS**  
A SOUTHDOWN COMPANY

P.O. BOX 6  
BROOKSVILLE, FLORIDA 34605-0006

United Bank of Grand Junction, N.A.  
GRAND JUNCTION, COLORADO 81501  
PAYABLE IF DESIRED THROUGH  
WELLS FARGO BANK, N.A.

**FLORIDA MINING & MATERIALS**  
A SOUTHDOWN COMPANY  
P.O. BOX 6  
BROOKSVILLE, FLORIDA 34605-0006

1021

No. 027692

DATE OF CHECK	CHECK NO.	AMOUNT OF CHECK
1 3 91	27692	*****200.00

PAY  
TO THE  
ORDER OF

FLA DEPT ENVIRONMENTAL RECLTM  
TWIN TOWER OFFICE BLDG  
2600 BLAIRSTONE RD  
TALLAHASSEE FL 323 9-2405

FLORIDA MINING & MATERIALS

*James L. Chesley*

*Karen A. Tistahel*

VENDOR NO.	INVOICE DATE	DOCUMENT NO.	REMARKS	GROSS	DISCOUNT	NET AMOUNT
12885	1 3 91	91003A	#A027-112105	200.00	.00	200.00
	1 3 91	27693	** TOTAL	200.00	.00	200.00

DETACH BEFORE DEPOSITING

**FLORIDA MINING & MATERIALS**  
A SOUTHDOWN COMPANY

P.O. BOX 6  
BROOKSVILLE, FLORIDA 34605-0006

United Bank of Grand Junction, N.A.  
GRAND JUNCTION, COLORADO 81501  
PAYABLE IF DESIRED THROUGH  
WELLS FARGO BANK, N.A.

**FLORIDA MINING & MATERIALS**  
A SOUTHDOWN COMPANY  
P.O. BOX 6  
BROOKSVILLE, FLORIDA 34605-0006

1021

No. 027693

DATE OF CHECK	CHECK NO.	AMOUNT OF CHECK
1 3 91	27693	*****200.00

PAY  
TO THE  
ORDER OF

FLA DEPT ENVIRONMENTAL REGLTN  
TWIN TOWER OFFICE BLDG  
2600 BLAIRSTONE RD  
TALLAHASSEE FL 32399-2405

**FLORIDA MINING & MATERIALS**

*James L. Chesley*

*Karen A. Fritchell*

VENDOR NO.	INVOICE DATE	DOCUMENT NO.	REMARKS	GROSS	DISCOUNT	NET AMOUNT
12885	1 3 91	910038	#A027-103309	200.00	.00	200.00
	1 3 91	27694	** TOTAL	200.00	.00	200.00

DETACH BEFORE DEPOSITING

**FLORIDA MINING & MATERIALS**  
A SOUTHDOWN COMPANY

P.O. BOX 6  
BROOKSVILLE, FLORIDA 34605-0006

United Bank of Grand Junction, N.A.  
GRAND JUNCTION, COLORADO 81501  
PAYABLE IF DESIRED THROUGH  
WELLS FARGO BANK, N.A.

**FLORIDA MINING & MATERIALS**  
A. SOUTHDOWN COMPANY  
P.O. BOX 6  
BROOKSVILLE, FLORIDA 34605-0006

1021  
No. 027694

DATE OF CHECK	CHECK NO.	AMOUNT OF CHECK
1 3 91	27694	*****200.00

PAY TO THE ORDER OF

FLA DEPT ENVIRONMENTAL REGULTN  
TWIN TOWER OFFICE BLDG  
2600 BLAIRSTONE RD  
TALLAHASSEE FL 32399-2405

FLORIDA MINING & MATERIALS

*James L. Bradley*

*Karen A. Twitchell*





ENDOR NO.	INVOICE DATE	DOCUMENT NO.	REMARKS	GROSS	DISCOUNT	NET AMOUNT
1288E	1 3 91	91003C	##A027-143886	200.00	.00	200.00
	1 3 91	2769E	## TOTAL	200.00	.00	200.00

DETACH BEFORE DEPOSITING

**FLORIDA MINING & MATERIALS**  
A SOUTHDOWN COMPANY

P.O. BOX 8  
BROOKSVILLE, FLORIDA 34605-0006

United Bank of Grand Junction, N.A.  
GRAND JUNCTION, COLORADO 81501  
PAYABLE IF DESIRED THROUGH  
WELLS FARGO BANK, N.A.

**FLORIDA MINING & MATERIALS**  
A SOUTHDOWN COMPANY  
P.O. BOX 6  
BROOKSVILLE, FLORIDA 34605-0006

1021

No. 027695

DATE OF CHECK	CHECK NO.	AMOUNT OF CHECK
1 3 91	2769E	*****200.00

PAY TO THE ORDER OF  
 FLA DEPT ENVIRONMENTAL REGLTN  
 TWIN TOWER OFFICE BLDG  
 2600 BLAIRSTONE RD  
 TALLAHASSEE FL 32399-2405

FLORIDA MINING & MATERIALS

*James K. Bradley*

*Karen A. T...*

VENDOR NO.	INVOICE DATE	DOCUMENT NO.	REMARKS	GROSS	DISCOUNT	NET AMOUNT
12885	1 3 91	910030	#A027-102582	200.00	.00	200.00
	1 3 91	27696	** TOTAL	200.00	.00	200.00

DETACH BEFORE DEPOSITING

**FLORIDA MINING & MATERIALS**  
A SOUTHDOWN COMPANY

P.O. BOX 6  
BROOKSVILLE, FLORIDA 34605-0006

United Bank of Grand Junction, N.A.  
GRAND JUNCTION, COLORADO 81501  
PAYABLE IF DESIRED THROUGH  
WELLS FARGO BANK, N.A.

**FLORIDA MINING & MATERIALS**  
A SOUTHDOWN COMPANY  
P.O. BOX 6  
BROOKSVILLE, FLORIDA 34605-0006

1021  
**No. 027696**

DATE OF CHECK	CHECK NO.	AMOUNT OF CHECK
1 3 91	27696	*****200.00

PAY TO THE ORDER OF  
**FLA DEPT ENVIRONMENTAL REGLTN**  
**TWIN TOWER OFFICE BLDG**  
**2600 BLAIRSTONE RD**  
**TALLAHASSEE FL 32399-2405**

FLORIDA MINING & MATERIALS

*Allen K. ...*  
*Karen A. ...*



VENDOR NO.	INVOICE DATE	DOCUMENT NO.	REMARKS	GROSS	DISCOUNT	NET AMOUNT
12885	1 3 91	91003E	HS027-103305	200.00	.00	200.00
	1 3 91	27697	** TOTAL	200.00	.00	200.00

DETACH BEFORE DEPOSITING

**FLORIDA MINING & MATERIALS**  
A SOUTHDOWN COMPANY

P.O. BOX 6  
BROOKSVILLE, FLORIDA 34605-0006

United Bank of Grand Junction, N.A.  
GRAND JUNCTION, COLORADO 81501  
PAYABLE IF DESIRED THROUGH  
WELLS FARGO BANK, N.A.

**FLORIDA MINING & MATERIALS**  
A SOUTHDOWN COMPANY  
P.O. BOX 6  
BROOKSVILLE, FLORIDA 34605-0006

1021

No. 027697

DATE OF CHECK	CHECK NO.	AMOUNT OF CHECK
1 3 91	27697	*****200.00

PAY TO THE ORDER OF  
 [ **FLA DEPT ENVIRONMENTAL REGLTN**  
**TWIN TOWER OFFICE BLDG**  
**2600 BLAIRSTONE RD**  
**TALLAHASSEE FL 32399-2405** ]

**FLORIDA MINING & MATERIALS**

*James L. Bentley*

*Karen A. Titchell*

**APPLICATIONS TO AMEND  
OPERATING PERMITS  
FOR  
FLORIDA MINING AND MATERIALS  
KILN #1 SYSTEM AUXILIARY SOURCES**

**January 16, 1991**

**Cross/Tessitore & Associates, P.A.  
4763 South Conway Road, Suite F.  
Orlando, Florida 32812  
(407) 851-1484  
F03.178/C5551.Doc**

**SUPPLEMENTAL INFORMATION: SECTION II**

## PROJECT DESCRIPTION

The subject of these applications is to request several amendments to the current operating conditions specified as part of the following permits:

AO27-143884	Raw Materials Storage Silos (C-11)
AO27-102582	Blending Silos (E-36)
AO27-143886	Blending Silos (F-17)
AO27-183901	Raw Mill #1 (D-31)
AO27-112105	Clinker Cooler #1 (F-18)
AO27-183904	Clinker Silo (F-31)

Table 1 provides a summary of the proposed amendments, which include changes in production schedules and process feed rates. These amendments are necessary in order to optimize the efficiency of the cement plant. No changes in the hourly allowable emission rates for the sources included are requested. However, as a result of the changes in production schedule for source F-17, there is a corresponding reduction in the annual allowable emission rates. Table 2 provides an emissions summary for the sources included.

**TABLE 1**  
**PROPOSED PERMIT AMENDMENTS**  
**KILN #1 SYSTEM**

Source	Production Hours		Process Feed Rate	
	Permitted	Hours/Year Proposed	Permitted	Tons/Hour Proposed
C-11 Raw Materials Storage Silos	7,896	--	240	290
E-36 Blending Silos	N/A	--	120	135
F-17 Blending Silos	7,896	7,500	130	135
D-31 Raw Mill #1	N/A	--	120	145
F-18 #1 Cooler	N/A	--	71.25	84
F-31 Clinker Silo	N/A	--	71	84

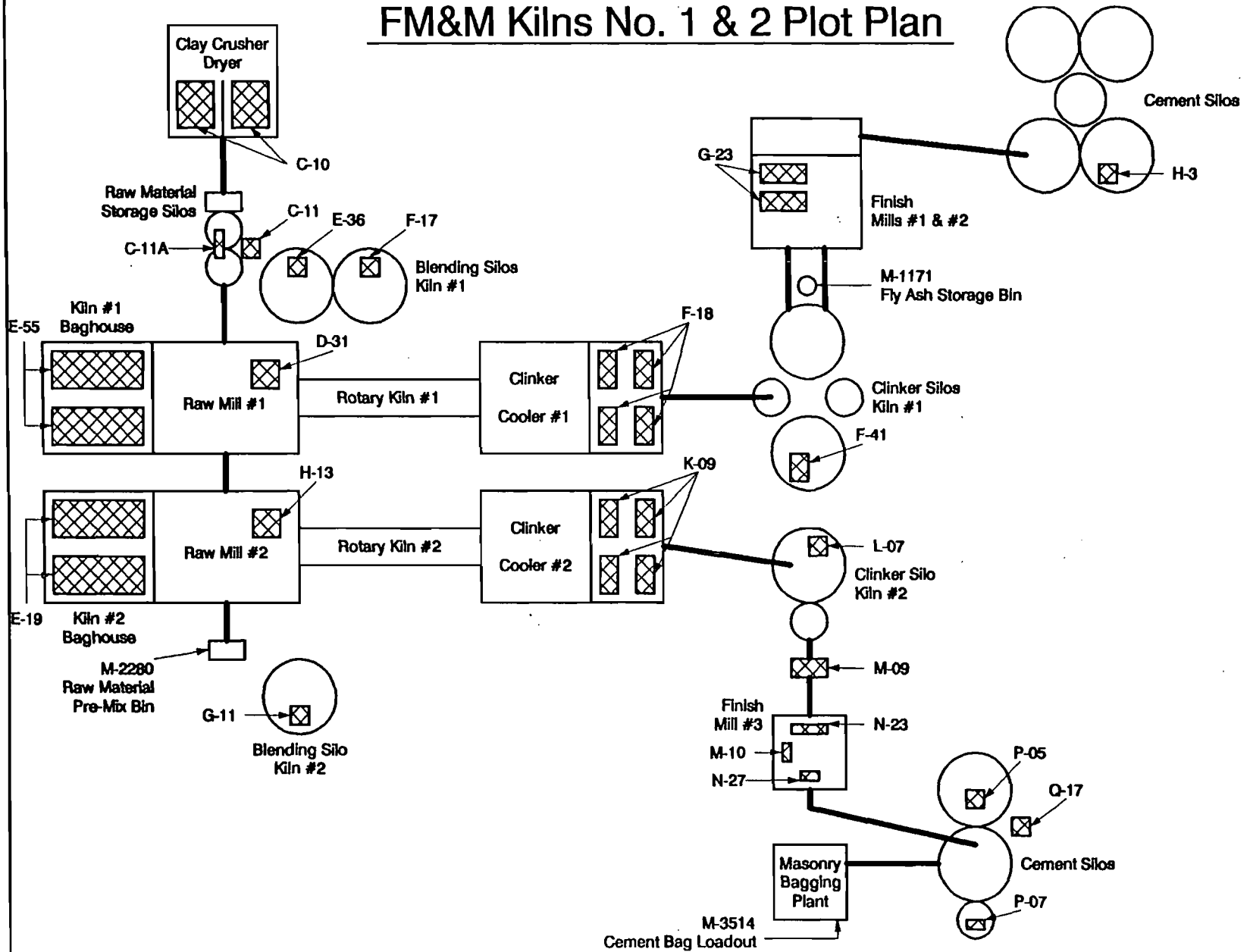
**TABLE 2**  
**EMISSIONS SUMMARY**  
**KILN #1 SYSTEM**

Source	<u>Current Actual Emissions</u>		<u>Proposed Actual Emissions</u>		<u>Current Allowable Emissions</u>		<u>Proposed Allowable Emissions</u>	
	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)
C-11 Raw Materials Storage Silos	--	--	--	--	1.29	5.1	1.29	5.1
E-36 Blending Silos	--	--	--	--	37.2	--	37.2	--
F-17 Blending Silos	--	--	--	--	1.02	4.0	1.02	3.8
D-31 Raw Mill #1	--	--	--	--	34.24	--	34.24	--
F-18 Clinker Cooler #1	2.41	10.6	2.61	11.4	7.125	--	7.125	--
F-31 Clinker Silo	--	--	--	--	34.2	--	34.2	--



**SUPPLEMENTAL INFORMATION: SECTION V**

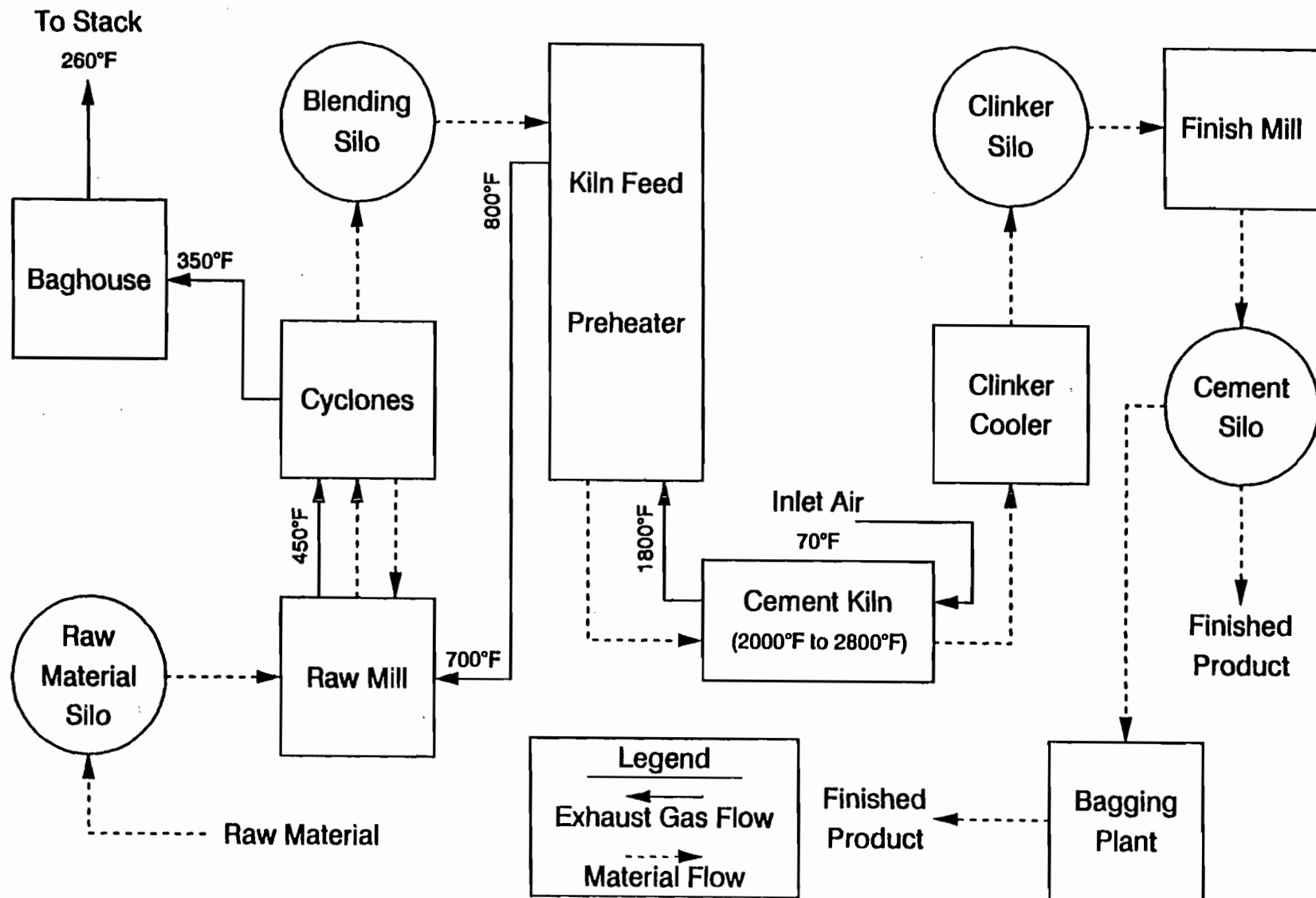
# FM&M Kilns No. 1 & 2 Plot Plan



FMM1&2PL.DRW

C  
T  
A  
Cross/Tessitore & Assoc., P.A.  
Environmental Engineers Orlando, Florida

# FM&M Kiln No. 1 Process Flow Diagram

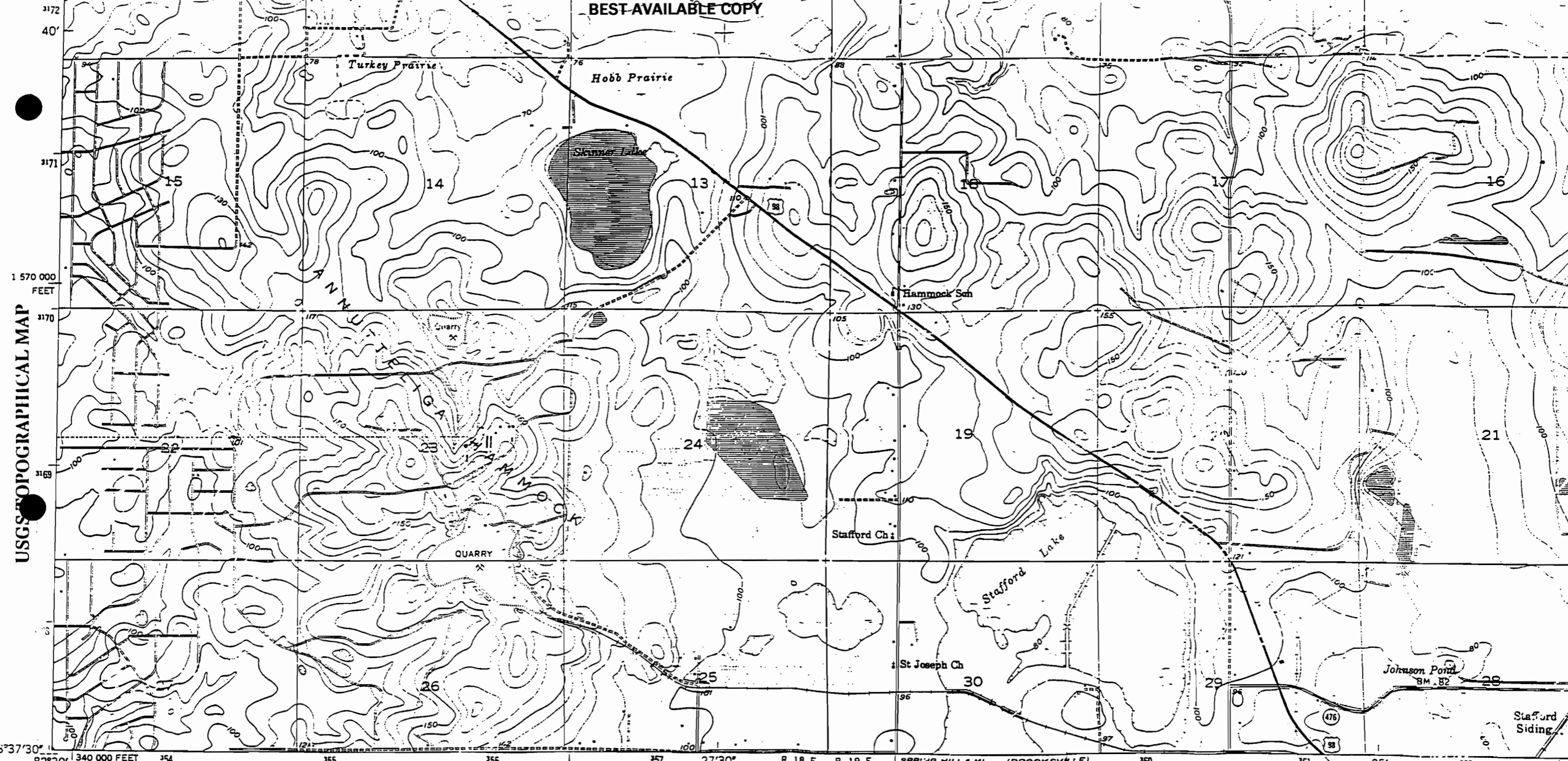


FMM1FLOW.DRW

C  
T  
A

Cross/Tessitore & Assoc., P.A.  
Environmental Engineers Orlando, Florida

BEST-AVAILABLE COPY



USGS TOPOGRAPHICAL MAP

1 570 000 FEET

26°37'30" 82°30'

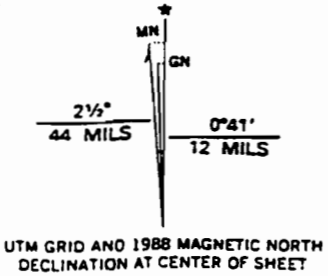
Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

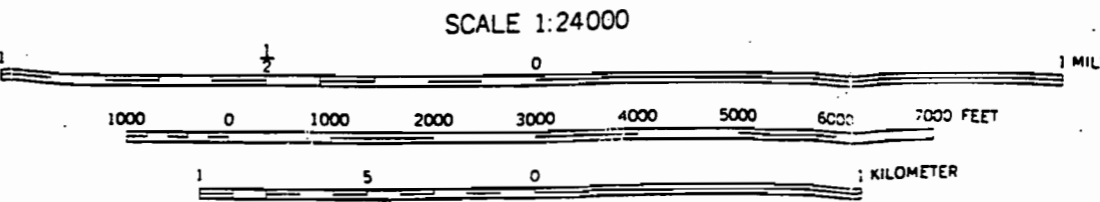
Topography from aerial photographs by Kelsh plotter  
Aerial photographs taken 1951. Field check 1954

Polyconic projection. 1927 North American datum  
10,000-foot grid based on Florida coordinate system,  
west zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue

To place on the predicted North American Datum 1983,  
move the projection lines 27 meters south and  
16 meters west as shown by dashed corner ticks  
There may be private inholdings within the boundaries of  
the National or State reservations shown on this map



UTM GRID AND 1988 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



SCALE 1:24000  
CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY  
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



QUADRANGLE LOCATION

Revisions shown in purple compiled from aerial photographs  
other sources. This information not field checked. Map

## Raw Materials Storage Silos (C-11)

DER Form \_\_\_\_\_  
 \_\_\_\_\_  
 Effective Date \_\_\_\_\_  
 DER Application No. \_\_\_\_\_

Florida Department of Environmental Regulation

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

AC 27-191609

\$200 pd.  
1-18-91  
Recpt. #151235

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Portland Cement Plant [ ] New<sup>1</sup> [X] Existing<sup>1</sup>

APPLICATION TYPE: [ ] Construction [ ] Operation [X] Modification  
Resources

COMPANY NAME: Moore McCormack, Inc. d/b/a Florida Mining & Materials COUNTY: Hernando

Identify the specific emission point source(s) addressed in this application (i.e. Lime Raw Materials Storage  
Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) Silos with Baghouse (C-11)

SOURCE LOCATION: Street U.S. Highway 98 City NW of Brooksville

UTM: East 17-356 North 3169

Latitude 28° 38' 34" N Longitude 82° 28' 25" W

APPLICANT NAME AND TITLE: C.M. Coleman Jr., Vice President and General Manager

APPLICANT ADDRESS: P.O. Box 6, Brooksville, Florida 34605-0006

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of Moore McCormack, Inc.  
Resources,  
d/b/a Florida Mining & Materials  
I certify that the statements made in this application for a modification  
permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permit establishment.

\*Attach letter of authorization

Signed: [Signature]  
C.M. Coleman Jr., Vice President & General Manager  
Name and Title (Please type) Manager

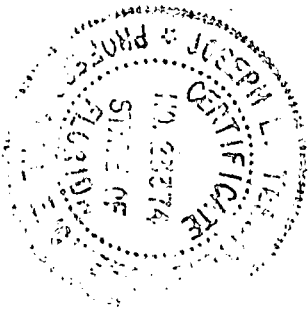
Date: 1/2/91 Telephone No. (904) 796-7241

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

<sup>1</sup> See Florida Administrative Code Rule 17-2.100(57) and (104)

the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.



Signed Joseph L. Tessitore  
 Joseph L. Tessitore  
 Name (Please Type)

Cross/Tessitore & Associates, P.A.  
 Company Name (Please Type)

4763 S. Conway Rd., Orlando, FL 32812  
 Mailing Address (Please Type)

Florida Registration No. 23374 Date: 1/14/91 Telephone No. (407) 851-1484

**SECTION II: GENERAL PROJECT INFORMATION**

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

SEE SUPPLEMENTAL INFORMATION: SECTION II

B. Schedule of project covered in this application (Construction Permit Application Only)

Start of Construction N/A Completion of Construction N/A

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

Estimated as Follows:

Equipment for Baghouse (Complete)	\$15,500.00
Erection and Ductwork	17,000.00
<b>TOTAL</b>	<b>\$32,500.00</b>

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

A027-143884	Issued	4-5-88	Expires	4-1-93
A027-65209	Issued	4-21-83	Expired	4-5-88
A027-30455	Issued	--	Expired	12-31-83
A027-2252	Issued	--	Expired	--
AC27-2252	Issued	12-18-73	Expired	3-1-76





SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		
Clay/Sand	Particulate	0.18	45,319	C-11
Flyash	Particulate	0.14	58,402	C-11
Limestone	Particulate	0.02	463,194	
Staurolite	Particulate	1.4	6,042	
Mill Scale	Particulate	1.4	5,042	

B. Process Rate, if applicable: (See Section V, Item 1)

1. Total Process Input Rate (lbs/hr): 580,000

2. Product Weight (lbs/hr): 580,000

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission <sup>1</sup>		Allowed Emission Rate per Rule 17-2	Allowable Emission lbs/hr <sup>3</sup>	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual 1/yr			lbs/hr	1/yr	
Particulate	1.29	5.1	--	1.29	1.29	5.1	C-11

<sup>1</sup>See Section V, Item 2.

<sup>2</sup>Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

<sup>3</sup>Calculated from operating rate and applicable standard.

<sup>4</sup>Emission, if source operated without control (See Section V, Item 3).

D. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
Western Precipitation	Particulate	99.8	0-60	Manufacturer's
Dust Collector				Data

E. Fuels **NOT APPLICABLE**

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
	<b>NOT APPLICABLE</b>		

\*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis: **NOT APPLICABLE**

Percent Sulfur: \_\_\_\_\_ Percent Ash: \_\_\_\_\_

Density: \_\_\_\_\_ lbs/gal Typical Percent Nitrogen: \_\_\_\_\_

Heat Capacity: \_\_\_\_\_ BTU/lb \_\_\_\_\_ BTU/gal

Other Fuel Contaminants (which may cause air pollution): \_\_\_\_\_

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average \_\_\_\_\_ Maximum \_\_\_\_\_

G. Indicate liquid or solid wastes generated and method of disposal.

---



---



---



---

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: 177 ft. Stack Diameter 28" x 31" ~~xx~~  
 Gas Flow Rate: 13,000 ACFM -- OSCFM Gas Exit Temperature: Ambient °F.  
 Water Vapor Content: -- % Velocity: 35.9 FPS

**SECTION IV: INCINERATOR INFORMATION**  
**NOT APPLICABLE**

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated			<b>NOT APPLICABLE</b>				
Uncontrolled (lbs/hr)							

Description of Waste \_\_\_\_\_  
 Total Weight Incinerated (lbs/hr) \_\_\_\_\_ Design Capacity (lbs/hr) \_\_\_\_\_  
 Approximate Number of Hours of Operation per day \_\_\_\_\_ day/wk \_\_\_\_\_ wks/yr. \_\_\_\_\_  
 Manufacturer \_\_\_\_\_  
 Date Constructed \_\_\_\_\_ Model No. \_\_\_\_\_

	Volume (ft) <sup>3</sup>	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber		<b>NOT APPLICABLE</b>			
Secondary Chamber					

Stack Height: \_\_\_\_\_ ft. Stack Diameter: \_\_\_\_\_ Stack Temp. \_\_\_\_\_  
 Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ OSCFM\* Velocity: \_\_\_\_\_ FPS

\*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device:  Cyclone  Wet Scrubber  Afterburner  
 Other (specify) \_\_\_\_\_

Brief description of operating characteristics of control devices: \_\_\_\_\_

NOT APPLICABLE

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

NOT APPLICABLE

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

#### SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
2. For a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. In an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.)
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency).
6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.
7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

# Best Available Copy

- 9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.
- 10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

## SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY

**NOT APPLICABLE**

- A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

Yes  No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

- B. Has EPA declared the best available control technology for this class of sources (If yes, attach copy)

Yes  No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

- C. What emission levels do you propose as best available control technology?

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

- D. Describe the existing control and treatment technology (if any).

1. Control Device/System:

2. Operating Principles:

3. Efficiency:\*

4. Capital Costs:

\*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant

Rate or Concentration

NOT APPLICABLE

10. Stack Parameters

a. Height:	ft.	b. Diameter:	ft.
c. Flow Rate:	ACFM	d. Temperature:	°F.
e. Velocity:	FPS		

E. Describe the control and treatment technology available (As many types as applicable. use additional pages if necessary).

1.

a. Control Device:	b. Operating Principles:
c. Efficiency: <sup>1</sup>	d. Capital Cost:
e. Useful Life:	f. Operating Cost:
g. Energy: <sup>2</sup>	h. Maintenance Cost:
i. Availability of construction materials and process chemicals:	
j. Applicability to manufacturing processes:	
k. Ability to construct with control device, install in available space, and operate within proposed levels:	

2.

a. Control Device:	b. Operating Principles:
c. Efficiency: <sup>1</sup>	d. Capital Cost:
e. Useful Life:	f. Operating Cost:
g. Energy: <sup>2</sup>	h. Maintenance Cost:
i. Availability of construction materials and process chemicals:	

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

1. Control Device:

2. Efficiency:<sup>1</sup>

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:<sup>2</sup>

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

NOT APPLICABLE

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:<sup>1</sup>

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:<sup>1</sup>

10. Reason for selection and description of systems:

<sup>1</sup>Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data

1. \_\_\_\_\_ no. sites \_\_\_\_\_ TSP \_\_\_\_\_ ( ) SO<sub>2</sub>\* \_\_\_\_\_ Wind spd/dir

Period of Monitoring \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year

Other data recorded \_\_\_\_\_

Attach all data or statistical summaries to this application.

\*Sp \_\_\_\_\_ fy bubbler (B) or continuous (C).



2. Instrumentation, Field and Laboratory

a. Was instrumentation EPA referenced or its equivalent? [ ] Yes [ ] No

b. Was instrumentation calibrated in accordance with Department procedures?

[ ] Yes [ ] No [ ] Unknown

B. Meteorological Data Used for Air Quality Modeling

1. \_\_\_\_\_ Year(s) of data from \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year

2. Surface data obtained from (location) \_\_\_\_\_

3. Upper air (mixing height) data obtained from (location) \_\_\_\_\_

4. Stability wind rose (STAR) data obtained from (location) \_\_\_\_\_

C. Computer Models Used

1. \_\_\_\_\_ Modified? If yes, attach description.

2. \_\_\_\_\_ Modified? If yes, attach description.

3. \_\_\_\_\_ Modified? If yes, attach description.

4. \_\_\_\_\_ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO <sub>2</sub>	_____ grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

1. Attach all other information supportive to the PSD review.

2. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

3. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.

## Blending and Storage Silos (E-36)



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2500 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form \_\_\_\_\_
Date \_\_\_\_\_
Effective Date \_\_\_\_\_
DER Application No. \_\_\_\_\_

AC 27-191615

\$200 pd.

1-18-91

Recept # 151235

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Portland Cement Plant [ ] New<sup>1</sup> [X] Existing<sup>1</sup>

APPLICATION TYPE: [ ] Construction [ ] Operation [X] Modification

COMPANY NAME: Moore McCormack, Resources, Inc. d/b/a Florida Mining & COUNTY: Hernando
Materials

Identify the specific emission point source(s) addressed in this application (i.e. Lime Blending and Storage Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) Silos with Baghouse (E-36)

SOURCE LOCATION: Street U.S. Highway 98 City NW of Brooksville

UTM: East 17-356 North 3169

Latitude 28° 38' 34" N Longitude 82° 28' 25" W

APPLICANT NAME AND TITLE: C.M. Coleman Jr., Vice President and General Manager

APPLICANT ADDRESS: P.O. Box 6, Brooksville, Florida 34605-0006

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of Moore McCormack, Resources, Inc. d/b/a Florida Mining & Materials

I certify that the statements made in this application for a modification permit are true, correct and complete to the best of my knowledge and belief. Further I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

\*Attach letter of authorization

Signed: [Signature]
C.M. Coleman Jr., Vice President & General Manager
Name and Title (Please Type) Manager

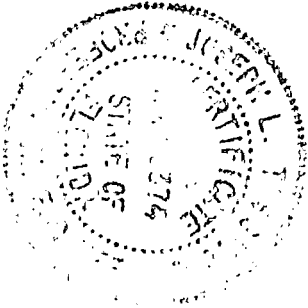
Date: 1/2/91 Telephone No. (904) 796-7241

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

1 See Florida Administrative Code Rule 17-2.100(57) and (104)

the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.



Signed Joseph L. Tessitore

Joseph L. Tessitore  
Name (Please Type)

Cross/Tessitore & Associates, P.A.  
Company Name (Please Type)

4763 S. Conway Rd., Orlando, FL 32812  
Mailing Address (Please Type)

Florida Registration No. 23374 Date: 1/16/91 Telephone No. (407) 851-1484

**SECTION II: GENERAL PROJECT INFORMATION**

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

SEE SUPPLEMENTAL INFORMATION: SECTION II

B. Schedule of project covered in this application (Construction Permit Application Only)

Start of Construction N/A Completion of Construction N/A

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

Equipment for Baghouse	\$ 7,700.00
Erection and Ductwork	9,500.00
<b>TOTAL</b>	<b>\$17,200.00</b>

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

AO27-183900	Issued	9/14/90	Expires	9/12/95
AO27-102582	Issued	7/25/85	Expired	9/13/90
AO27-31413	-----		-----	

Not Applicable

E. Requested permitted equipment operating time: hrs/day \_\_\_; days/wk \_\_\_; wks/yr \_\_\_;  
if power plant, hrs/yr \_\_\_; if seasonal, describe: \_\_\_\_\_

F. If this is a new source or major modification, answer the following questions.  
(Yes or No)

1. Is this source in a non-attainment area for a particular pollutant? NO
  - a. If yes, has "offset" been applied? \_\_\_\_\_
  - b. If yes, has "Lowest Achievable Emission Rate" been applied? \_\_\_\_\_
  - c. If yes, list non-attainment pollutants. \_\_\_\_\_
2. Does best available control technology (BACT) apply to this source?  
If yes, see Section VI. NO
3. Does the State "Prevention of Significant Deterioration" (PSD)  
requirement apply to this source? If yes, see Sections VI and VII. NO
4. Do "Standards of Performance for New Stationary Sources" (NSPS)  
apply to this source? NO
5. Do "National Emission Standards for Hazardous Air Pollutants"  
(NESHAP) apply to this source? NO

- H. Do "Reasonably Available Control Technology" (RACT) requirements apply  
to this source? NO
- a. If yes, for what pollutants? \_\_\_\_\_
  - b. If yes, in addition to the information required in this form,  
any information requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any justifi-  
cation for any answer of "No" that might be considered questionable.

SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		
Limestone	Particulate	0.02	215,625	E-36
Sand/Clay	Particulate	0.08	21,563	E-36
Flyash	Particulate	0.14	27,188	E-36
Mill Scale	Particulate	1.40	2,812	E-36
Staurolite	Particulate	1.40	2,812	E-36

TOTAL 270,000

B. Process Rate, if applicable: (See Section V, Item 1)

1. Total Process Input Rate (lbs/hr): 270,000

2. Product Weight (lbs/hr): 270,000

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission <sup>1</sup>		Allowed Emission Rate per Rule 17-2	Allowable Emission lbs/hr	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual 1/yr			lbs/hr	1/yr	
Particulate	37.2		---	37.2	37.2		E-36

<sup>1</sup>See Section V, Item 2.

<sup>2</sup>Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

<sup>3</sup>Calculated from operating rate and applicable standard.

<sup>4</sup>Emission, if source operated without control (See Section V, Item 3).

D. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
Western Precipitation	Particulate	99.5	--	Manufacturer's
Pulse Flow Baghouse				Data

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
	NOT APPLICABLE		

\*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis: NOT APPLICABLE

Percent Sulfur: \_\_\_\_\_ Percent Ash: \_\_\_\_\_

Density: \_\_\_\_\_ lbs/gal Typical Percent Nitrogen: \_\_\_\_\_

Heat Capacity: \_\_\_\_\_ BTU/lb \_\_\_\_\_ BTU/gal

Other Fuel Contaminants (which may cause air pollution): \_\_\_\_\_

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average \_\_\_\_\_ Maximum \_\_\_\_\_

G. Indicate liquid or solid wastes generated and method of disposal.

---



---



---



---





Brief description of operating characteristics of control devices: \_\_\_\_\_

NOT APPLICABLE

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

NOT APPLICABLE

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

### SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.)
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency).
6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.
7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.
10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

**SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY**

**NOT APPLICABLE**

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

Yes  No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

B. Has EPA declared the best available control technology for this class of sources (If yes, attach copy)

Yes  No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

C. What emission levels do you propose as best available control technology?

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

D. Describe the existing control and treatment technology (if any).

1. Control Device/System:

2. Operating Principles:

3. Efficiency:\*

4. Capital Costs:

\*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant

Rate or Concentration

NOT APPLICABLE

10. Stack Parameters

- a. Height: ft.
- b. Diameter: ft.
- c. Flow Rate: ACFM
- d. Temperature: °F.
- e. Velocity: FPS

E. Describe the control and treatment technology available (As many types as applicable. use additional pages if necessary).

1.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

2.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:

<sup>1</sup> Explain method of determining efficiency.

<sup>2</sup> Energy to be reported in units of electrical power - KWH design rate.

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

1. Control Device:

2. Efficiency:<sup>1</sup>

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:<sup>2</sup>

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

<sup>1</sup> Explain method of determining efficiency.

<sup>2</sup> Energy to be reported in units of electrical power - KWH design rate.

NOT APPLICABLE

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:<sup>1</sup>

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:<sup>1</sup>

10. Reason for selection and description of systems:

<sup>1</sup>Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data

1. \_\_\_\_\_ no. sites \_\_\_\_\_ TSP \_\_\_\_\_ ( ) SO<sub>2</sub>\* \_\_\_\_\_ Wind spd/dir

Period of Monitoring \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year

Other data recorded \_\_\_\_\_

Attach all data or statistical summaries to this application.

\*Specify bubbler (B) or continuous (C).

NOT APPLICABLE

2. Instrumentation, Field and Laboratory

- a. Was instrumentation EPA referenced or its equivalent?  Yes  No
- b. Was instrumentation calibrated in accordance with Department procedures?  
 Yes  No  Unknown

B. Meteorological Data Used for Air Quality Modeling

- 1. \_\_\_\_\_ Year(s) of data from \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year
- 2. Surface data obtained from (location) \_\_\_\_\_
- 3. Upper air (mixing height) data obtained from (location) \_\_\_\_\_
- 4. Stability wind rose (STAR) data obtained from (location) \_\_\_\_\_

C. Computer Models Used

- 1. \_\_\_\_\_ Modified? If yes, attach description.
- 2. \_\_\_\_\_ Modified? If yes, attach description.
- 3. \_\_\_\_\_ Modified? If yes, attach description.
- 4. \_\_\_\_\_ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate	
TSP	_____	grams/sec
SO <sup>2</sup>	_____	grams/sec

E. Emission Data Used in Modeling

- 1. Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.
- 2. Attach all other information supportive to the PSD review.
- 3. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.
- 4. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.

Raw Mill #1 (D-31)



BEST AVAILABLE COPY

Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-1400

DER Form \_\_\_\_\_
Issue No. \_\_\_\_\_
Effective Date \_\_\_\_\_
DER Application No. \_\_\_\_\_

AC 27-191612

#200 pd.
1-18-91
Recpt. # 15123

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Portland Cement Plant [ ] New [X] Existing
APPLICATION TYPE: [ ] Construction [ ] Operation [X] Modification
COMPANY NAME: Moore, McCormack, Inc. d/b/a Florida Mining & Materials COUNTY: Hernando
Identify the specific emission point source(s) addressed in this application (i.e. Lime Raw Mill #1
Kiln No. 4 with Venturi Scrubber; Peaking Unit: No. 2, Gas Fired) with Baghouse (D-31)
SOURCE LOCATION: Street U.S. Highway 98 City NW of Brooksville
UTM: East 17-356 North 3169
Latitude 28 ° 38 ' 34 "N Longitude 82 ° 28 ' 25 "W
APPLICANT NAME AND TITLE: C.M. Coleman Jr., Vice President and General Manager
APPLICANT ADDRESS: P.O. Box 6, Brooksville, Florida 34605-0006

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of Moore McCormack, Inc. Resources, d/b/a Florida Mining & Materials
I certify that the statements made in this application for a modification permit are true, correct and complete to the best of my knowledge and belief. Further I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

\*Attach letter of authorization

Signed: [Signature]
C.M. Coleman Jr., Vice President & General Manager
Name and Title (Please Type) Manager
Date: 1/2/91 Telephone No. (904) 796-7241

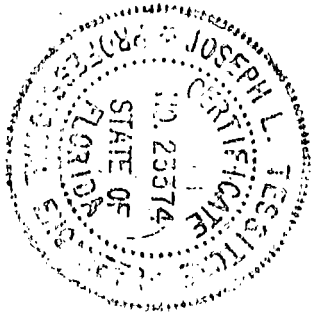
B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

1 See Florida Administrative Code Rule 17-2.100(57) and (104)



the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.



Signed Joseph L. Tessitore

Joseph L. Tessitore

Name (Please Type)

Cross/Tessitore & Associates, P.A.

Company Name (Please Type)

4763 S. Conway Rd., Orlando, FL 32812

Mailing Address (Please Type)

Florida Registration No. 23374 Date: 1/6/91 Telephone No. (407) 851-1484

**SECTION II: GENERAL PROJECT INFORMATION**

- A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

SEE SUPPLEMENTAL INFORMATION: SECTION II

- B. Schedule of project covered in this application (Construction Permit Application Only)

Start of Construction \_\_\_\_\_ Completion of Construction \_\_\_\_\_

- C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

Equipment for Baghouse	\$24,500.00
Erection and Ductwork	27,000.00
TOTAL	\$51,500.00

- D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

AO27-183901	Issued	9/14/90	Expires	9/12/95
AO27-103309	Issued	7/22/85	Expired	9/13/90
AO27-31411	-----		-----	

Not Applicable

E. Requested permitted equipment operating time: hrs/day    ; days/wk    ; wks/yr    ;  
if power plant, hrs/yr    ; if seasonal, describe:   

F. If this is a new source or major modification, answer the following questions.  
(Yes or No)

1. Is this source in a non-attainment area for a particular pollutant?   NO    
a. If yes, has "offset" been applied?     
b. If yes, has "Lowest Achievable Emission Rate" been applied?     
c. If yes, list non-attainment pollutants.   

2. Does best available control technology (BACT) apply to this source?  
If yes, see Section VI.   NO  

3. Does the State "Prevention of Significant Deterioration" (PSD)  
requirement apply to this source? If yes, see Sections VI and VII.   NO  

4. Do "Standards of Performance for New Stationary Sources" (NSPS)  
apply to this source?   NO  

5. Do "National Emission Standards for Hazardous Air Pollutants"  
(NESHAP) apply to this source?   NO  

H. Do "Reasonably Available Control Technology" (RACT) requirements apply  
to this source?   NO  

a. If yes, for what pollutants?   

b. If yes, in addition to the information required in this form,  
any information requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any justifi-  
cation for any answer of "No" that might be considered questionable.

SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		
Limestone	Particulate	0.02	231,598	D-31
Sand/Clay	Particulate	0.18	23,160	D-31
Flyash	Particulate	0.14	29,202	D-31
Staurolite	Particulate	1.40	3,020	D-31
Mill Scale	Particulate	1.40	3,020	D-31
TOTAL			290,000	

B. Process Rate, if applicable: (See Section V, Item 1)

1. Total Process Input Rate (lbs/hr): 290,000

2. Product Weight (lbs/hr): 290,000

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission <sup>1</sup>		Allowed Emission Rate per Rule 17-2	Allowable <sup>3</sup> Emission lbs/hr	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual l/yr			lbs/hr	l/yr	
Particulate	34.24	--	--	34.24	34.24	--	D-31

<sup>1</sup>See Section V, Item 2.

<sup>2</sup>Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

<sup>3</sup>Calculated from operating rate and applicable standard.

<sup>4</sup>Emission, if source operated without control (See Section V, Item 3).

D. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
Western Precipitation	Particulate	99.5%	---	Manufacturer's Data
Pulse Flo Baghouse				

E. Fuels **NOT APPLICABLE**

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
	<b>NOT APPLICABLE</b>		

\*Units: Natural Gas--MCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis: **NOT APPLICABLE**

Percent Sulfur: \_\_\_\_\_ Percent Ash: \_\_\_\_\_

Density: \_\_\_\_\_ lbs/gal Typical Percent Nitrogen: \_\_\_\_\_

Heat Capacity: \_\_\_\_\_ BTU/lb \_\_\_\_\_ BTU/gal

Other Fuel Contaminants (which may cause air pollution): \_\_\_\_\_

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average \_\_\_\_\_ Maximum \_\_\_\_\_

G. Indicate liquid or solid wastes generated and method of disposal.

---



---



---



---

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: 170 ft. Stack ~~Dimensions~~ 18" x 20" ~~XXX~~  
 Gas Flow Rate: 6000 ACFM --- DSCFM Gas Exit Temperature: 130 °F.  
 Water Vapor Content: --- % Velocity: 44.4 FPS

SECTION IV: INCINERATOR INFORMATION

NOT APPLICABLE

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated	NOT APPLICABLE						
Uncontrolled (lbs/hr)							

Description of Waste \_\_\_\_\_

Total Weight Incinerated (lbs/hr) \_\_\_\_\_ Design Capacity (lbs/hr) \_\_\_\_\_

Approximate Number of Hours of Operation per day \_\_\_\_\_ day/wk \_\_\_\_\_ wks/yr. \_\_\_\_\_

Manufacturer \_\_\_\_\_

Date Constructed \_\_\_\_\_ Model No. \_\_\_\_\_

	Volume (ft) <sup>3</sup>	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber	NOT APPLICABLE				
Secondary Chamber					

Stack Height: \_\_\_\_\_ ft. Stack Diameter: \_\_\_\_\_ Stack Temp. \_\_\_\_\_

Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ DSCFM\* Velocity: \_\_\_\_\_ FPS

\*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device:  Cyclone  Wet Scrubber  Afterburner  
 Other (specify) \_\_\_\_\_

Brief description of operating characteristics of control devices: \_\_\_\_\_

NOT APPLICABLE

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

NOT APPLICABLE

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

#### SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
2. For a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. In an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.)
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency).
6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.
7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.
10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

**SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY**

**NOT APPLICABLE**

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

Yes  No

Contaminant	Rate or Concentration

B. Has EPA declared the best available control technology for this class of sources (if yes, attach copy)

Yes  No

Contaminant	Rate or Concentration

C. What emission levels do you propose as best available control technology?

Contaminant	Rate or Concentration

D. Describe the existing control and treatment technology (if any).

- |                           |                          |
|---------------------------|--------------------------|
| 1. Control Device/System: | 2. Operating Principles: |
| 3. Efficiency:*           | 4. Capital Costs:        |

\*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant

Rate or Concentration

NOT APPLICABLE

10. Stack Parameters

- a. Height: ft.      b. Diameter: ft.
- c. Flow Rate: ACFM      d. Temperature: °F.
- e. Velocity: FPS

E. Describe the control and treatment technology available (As many types as applicable. use additional pages if necessary).

1.

- a. Control Device:      b. Operating Principles:
- c. Efficiency:<sup>1</sup>      d. Capital Cost:
- e. Useful Life:      f. Operating Cost:
- g. Energy:<sup>2</sup>      h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

2.

- a. Control Device:      b. Operating Principles:
- c. Efficiency:<sup>1</sup>      d. Capital Cost:
- e. Useful Life:      f. Operating Cost:
- g. Energy:<sup>2</sup>      h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.



j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

1. Control Device:

2. Efficiency:<sup>1</sup>

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:<sup>2</sup>

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

<sup>1</sup> Explain method of determining efficiency.

<sup>2</sup> Energy to be reported in units of electrical power - KWH design rate.

NOT APPLICABLE

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration


(8) Process Rate:<sup>1</sup>

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration


(8) Process Rate:<sup>1</sup>

10. Reason for selection and description of systems:

<sup>1</sup>Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data

1. \_\_\_\_\_ no. sites \_\_\_\_\_ TSP \_\_\_\_\_ ( ) SO<sub>2</sub>+ \_\_\_\_\_ Wind spd/dir

Period of Monitoring \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year

Other data recorded \_\_\_\_\_

Attach all data or statistical summaries to this application.

\*Specify bubbler (B) or continuous (C).

2. Instrumentation, Field and Laboratory

a. Was instrumentation EPA referenced or its equivalent? [ ] Yes [ ] No

b. Was instrumentation calibrated in accordance with Department procedures?

[ ] Yes [ ] No [ ] Unknown

B. Meteorological Data Used for Air Quality Modeling

1. Year(s) of data from \_\_\_/\_\_\_/\_\_\_ to \_\_\_/\_\_\_/\_\_\_  
month day year month day year

2. Surface data obtained from (location) \_\_\_\_\_

3. Upper air (mixing height) data obtained from (location) \_\_\_\_\_

4. Stability wind rose (STAR) data obtained from (location) \_\_\_\_\_

C. Computer Models Used

1. \_\_\_\_\_ Modified? If yes, attach description.

2. \_\_\_\_\_ Modified? If yes, attach description.

3. \_\_\_\_\_ Modified? If yes, attach description.

4. \_\_\_\_\_ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO <sup>2</sup>	_____ grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

Attach all other information supportive to the PSD review.

1. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

4. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.

## Blending Silos (F-17)



BEST AVAILABLE COPY

Florida Department of Environmental Regulation

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

DER Form 17-1.202(1)
Form No.
Effective Date
DER Application No.

AC 27-191613

\$200 pd.
1-18-91
Recpt. #151235

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Portland Cement Plant [ ] New [X] Existing

APPLICATION TYPE: [ ] Construction [ ] Operation [X] Modification

COMPANY NAME: Moore McCormack, Inc. d/b/a Florida Mining & Resources
Materials
COUNTY: Hernando

Identify the specific emission point source(s) addressed in this application (i.e. Lime Blending Silos with Baghouse (F-17)
Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired)

SOURCE LOCATION: Street U.S. Highway 98 City NW of Brooksville

UTM: East 17-356 North 3169

Latitude 28° 38' 34" N Longitude 82° 28' 25" W

APPLICANT NAME AND TITLE: C.M. Coleman Jr., Vice President and General Manager

APPLICANT ADDRESS: P.O. Box 6, Brooksville, Florida 34605-0006

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of Moore McCormack, Inc. Resources, d/b/a Florida Mining & Materials. I certify that the statements made in this application for a modification permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable, and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

\*Attach letter of authorization

Signed: [Signature]
C.M. Coleman Jr., Vice President & General Manager
Name and Title (Please Type)

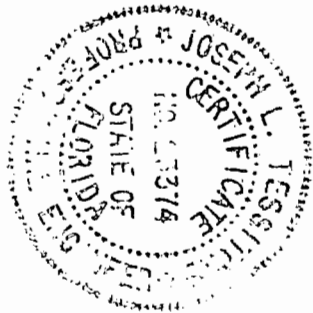
Date: 1/2/91 Telephone No. (904) 796-7241

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

1 See Florida Administrative Code Rule 17-2.100(57) and (104)

the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.



Signed Joseph L. Tessitore  
Joseph L. Tessitore  
 Name (Please Type)

Cross/Tessitore & Associates, P.A.  
 Company Name (Please Type)

4763 S. Conway Rd., Orlando, FL 32812  
 Mailing Address (Please Type)

Florida Registration No. 23374 Date: 1/16/91 Telephone No. (407) 851-1484

**SECTION II: GENERAL PROJECT INFORMATION**

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

SEE SUPPLEMENTAL INFORMATION: SECTION II

B. Schedule of project covered in this application (Construction Permit Application Only)  
 Start of Construction N/A Completion of Construction N/A

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

<u>Erection and Ductwork</u>	<u>\$51,652.00</u>
------------------------------	--------------------

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

<u>A027-143886</u>	<u>Issued</u>	<u>4-5-88</u>	<u>Expires</u>	<u>4-1-93</u>
<u>A027-65211</u>	<u>Issued</u>	<u>4-21-83</u>	<u>Expired</u>	<u>4-5-88</u>
<u>AC27-30451</u>	<u>Issued</u>	<u>--</u>	<u>Expired</u>	<u>12-31-83</u>



SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		
Limestone	Particulate	.02	215,625	F-17
Clay/Sand	"	.18	21,563	"
Flyash	"	.14	27,188	"
Staurolite	"	1.40	2,812	"
Mill Scale	"	1.40	2,812	"

TOTAL 270,000

B. Process Rate, if applicable: (See Section V, item 1)

1. Total Process Input Rate (lbs/hr): 270,000

2. Product Weight (lbs/hr): 270,000

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission <sup>1</sup>		Allowed Emission Rate per Rule 17-2	Allowable <sup>3</sup> Emission lbs/hr	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual 1/yr			lbs/hr	1/yr	
Particulate	1.02	3.8	--	1.02	1.02	3.8	F-17

<sup>1</sup>See Section V, item 2.

<sup>2</sup>Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

<sup>3</sup>Calculated from operating rate and applicable standard.

<sup>4</sup>Emission, if source operated without control (See Section V, item 3).



D. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
Flex Kleen 100	Particulate	99.8		Manufacturer's
WRW - 80				Data

E. Fuels **NOT APPLICABLE**

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
	<b>NOT APPLICABLE</b>		

\*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis: **NOT APPLICABLE**

Percent Sulfur: \_\_\_\_\_ Percent Ash: \_\_\_\_\_

Density: \_\_\_\_\_ lbs/gal Typical Percent Nitrogen: \_\_\_\_\_

Heat Capacity: \_\_\_\_\_ BTU/lb \_\_\_\_\_ BTU/gal

Other Fuel Contaminants (which may cause air pollution): \_\_\_\_\_

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average \_\_\_\_\_ Maximum \_\_\_\_\_

G. Indicate liquid or solid wastes generated and method of disposal.

---



---



---



---

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: 310 ft. Stack ~~Dimensions~~ <sup>Dimensions</sup> 22" x 24" ~~ft.~~ <sup>ft.</sup>

Gas Flow Rate: 23,000 ACFM -- DSCFM Gas Exit Temperature: 200 °F.

Water Vapor Content: -- % Velocity: 104.5 FPS

SECTION IV: INCINERATOR INFORMATION

**NOT APPLICABLE**

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated			<b>NOT APPLICABLE</b>				
Uncontrolled (lbs/hr)							

Description of Waste \_\_\_\_\_

Total Weight Incinerated (lbs/hr) \_\_\_\_\_ Design Capacity (lbs/hr) \_\_\_\_\_

Approximate Number of Hours of Operation per day \_\_\_\_\_ day/wk \_\_\_\_\_ wks/yr. \_\_\_\_\_

Manufacturer \_\_\_\_\_

Date Constructed \_\_\_\_\_ Model No. \_\_\_\_\_

	Volume (ft) <sup>3</sup>	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber			<b>NOT APPLICABLE</b>		
Secondary Chamber					

Stack Height: \_\_\_\_\_ ft. Stack Diameter: \_\_\_\_\_ Stack Temp. \_\_\_\_\_

Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ DSCFM\* Velocity: \_\_\_\_\_ FPS

\*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device:  Cyclone  Wet Scrubber  Afterburner  
 Other (specify) \_\_\_\_\_

Brief description of operating characteristics of control devices: \_\_\_\_\_

NOT APPLICABLE

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

NOT APPLICABLE

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

#### SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.)
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency).
6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.
7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

- 9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.
- 10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

**SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY**

**NOT APPLICABLE**

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

Yes  No

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____
_____	_____

B. Has EPA declared the best available control technology for this class of sources (If yes, attach copy)

Yes  No

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____
_____	_____

C. What emission levels do you propose as best available control technology?

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____
_____	_____

D. Describe the existing control and treatment technology (if any).

- |                           |                          |
|---------------------------|--------------------------|
| 1. Control Device/System: | 2. Operating Principles: |
| 3. Efficiency:*           | 4. Capital Costs:        |

Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant

Rate or Concentration

NOT APPLICABLE

10. Stack Parameters

- a. Height: ft.
- b. Diameter: ft.
- c. Flow Rate: ACFM
- d. Temperature: °F.
- e. Velocity: FPS

E. Describe the control and treatment technology available (As many types as applicable use additional pages if necessary).

1.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

2.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

1. Control Device:

2. Efficiency:<sup>1</sup>

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:<sup>2</sup>

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

NOT APPLICABLE

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(8) Process Rate:<sup>1</sup>

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(8) Process Rate:<sup>1</sup>

10. Reason for selection and description of systems:

<sup>1</sup>Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data

1. \_\_\_\_\_ no. sites \_\_\_\_\_ TSP \_\_\_\_\_ ( ) SO<sub>2</sub> \_\_\_\_\_ Wind spd/dir

Period of Monitoring \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year

Other data recorded \_\_\_\_\_

Attach all data or statistical summaries to this application.

\*Specify bubbler (B) or continuous (C).

2. Instrumentation, Field and Laboratory

a. Was instrumentation EPA referenced or its equivalent? [ ] Yes [ ] No

b. Was instrumentation calibrated in accordance with Department procedures?

[ ] Yes [ ] No [ ] Unknown

B. Meteorological Data Used for Air Quality Modeling

1. \_\_\_\_\_ Year(s) of data from \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year

2. Surface data obtained from (location) \_\_\_\_\_

3. Upper air (mixing height) data obtained from (location) \_\_\_\_\_

4. Stability wind rose (STAR) data obtained from (location) \_\_\_\_\_

C. Computer Models Used

1. \_\_\_\_\_ Modified? If yes, attach description.

2. \_\_\_\_\_ Modified? If yes, attach description.

3. \_\_\_\_\_ Modified? If yes, attach description.

4. \_\_\_\_\_ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO <sub>2</sub>	_____ grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

Attach all other information supportive to the PSD review.

3. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

4. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.



**Clinker Cooler #1 (F-18)**



Florida Department of Environmental Regulation

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

DER Form \_\_\_\_\_
Date \_\_\_\_\_
Effective Date \_\_\_\_\_
DER Application No. \_\_\_\_\_

AC 27-191611

\$200 pd.
1-18-91
Receipt # 151235

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Portland Cement Plant [ ] New<sup>1</sup> [X] Existing<sup>1</sup>

APPLICATION TYPE: [ ] Construction [ ] Operation [X] Modification
Resources

COMPANY NAME: Moore McCormack, Inc. d/b/a Florida Mining & Materials COUNTY: Hernando

Identify the specific emission point source(s) addressed in this application (i.e. Lime
Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) with Baghouse (F-18)
Clinker Cooler #1

SOURCE LOCATION: Street U.S. Highway 98 City NW of Brooksville

UTM: East 17-356 North 3169

Latitude 28 ° 38 ' 34 "N Longitude 82 ° 28 ' 25 "W

APPLICANT NAME AND TITLE: C.M. Coleman Jr., Vice President and General Manager

APPLICANT ADDRESS: P.O. Box 6, Brooksville, Florida 34605-0006

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of Resources, Moore McCormack, Inc. d/b/a Florida Mining & Materials

I certify that the statements made in this application for a modification permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

\*Attach letter of authorization

Signed: [Signature]

C.M. Coleman Jr., Vice President & General Manager
Name and Title (Please Type) Manager

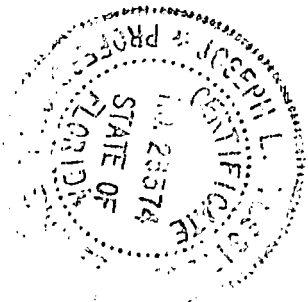
Date: 1/2/91 Telephone No. (904) 796-7241

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

<sup>1</sup> See Florida Administrative Code Rule 17-2.100(57) and (104)

the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.



Signed Joseph L. Tessitore  
Joseph L. Tessitore  
 Name (Please Type)

Cross/Tessitore & Associates, P.A.  
 Company Name (Please Type)

4763 S. Conway Rd., Orlando, FL 32812  
 Mailing Address (Please Type)

Florida Registration No. 23374 Date: 1/14/81 Telephone No. (407) 851-1484

**SECTION II: GENERAL PROJECT INFORMATION**

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

SEE SUPPLEMENTAL INFORMATION: SECTION II

B. Schedule of project covered in this application (Construction Permit Application Only):

Start of Construction N/A Completion of Construction N/A

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

Equipment for Baghouse Complete	\$147,700.00
Erection and Ductwork	156,000.00
<b>TOTAL</b>	<b>303,700.00</b>

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

A027-112105	Issued	2-25-86	Expires	2-6-91
A027-41208	Issued	--	Expired	2-25-86
A027-2256	Issued	--	Expired	--
AC27-2256	Issued	12-18-73	Expired	3-1-76



SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		
Portland Cement	Particulate	0.008	168,000	F-18
Clinker				

B. Process Rate, if applicable: (See Section V, Item 1)

1. Total Process Input Rate (lbs/hr): 168,000

2. Product Weight (lbs/hr): 168,000

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission <sup>1</sup>		Allowed Emission Rate per Rule 17-2	Allowable <sup>3</sup> Emission lbs/hr	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual 1/yr			lbs/hr	1/yr	
Particulate	2.41	11.4	--	7.125	7.125	--	F-18

<sup>1</sup>See Section V, Item 2.

<sup>2</sup>Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

<sup>3</sup>Calculated from operating rate and applicable standard.

<sup>4</sup>Emission, if source operated without control (See Section V, Item 3).

D. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
Western Precipitation	Particulate	99.5%	--	Manufacturer's
Baghouse				Data

E. Fuels **NOT APPLICABLE**

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
	<b>NOT APPLICABLE</b>		

\*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis:

**NOT APPLICABLE**

Percent Sulfur: \_\_\_\_\_ Percent Ash: \_\_\_\_\_

Density: \_\_\_\_\_ lbs/gal Typical Percent Nitrogen: \_\_\_\_\_

Heat Capacity: \_\_\_\_\_ BTU/lb \_\_\_\_\_ BTU/gal

Other Fuel Contaminants (which may cause air pollution): \_\_\_\_\_

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average \_\_\_\_\_ Maximum \_\_\_\_\_

G. Indicate liquid or solid wastes generated and method of disposal.

---



---



---



---

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: 50 ft. Stack Diameter: 7.5 ft.  
 Gas Flow Rate: 59,900 ACFM 42,147 DSCFM Gas Exit Temperature: 254 °F.  
 Water Vapor Content: 5 % Velocity: 22.6 FPS

**SECTION IV: INCINERATOR INFORMATION**

**NOT APPLICABLE**

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated	<b>NOT APPLICABLE</b>						
Uncontrolled (lbs/hr)							

Description of Waste \_\_\_\_\_

Total Weight Incinerated (lbs/hr) \_\_\_\_\_ Design Capacity (lbs/hr) \_\_\_\_\_

Approximate Number of Hours of Operation per day \_\_\_\_\_ day/wk \_\_\_\_\_ wks/yr. \_\_\_\_\_

Manufacturer \_\_\_\_\_

Date Constructed \_\_\_\_\_ Model No. \_\_\_\_\_

	Volume (ft) <sup>3</sup>	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber	<b>NOT APPLICABLE</b>				
Secondary Chamber					

Stack Height: \_\_\_\_\_ ft. Stack Diameter: \_\_\_\_\_ Stack Temp. \_\_\_\_\_

Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ DSCFM\* Velocity: \_\_\_\_\_ FPS

\*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device:  Cyclone  Wet Scrubber  Afterburner  
 Other (specify) \_\_\_\_\_

Brief description of operating characteristics of control devices: \_\_\_\_\_

NOT APPLICABLE

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

NOT APPLICABLE

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

#### SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. In an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.)
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency).
6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.
7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.



9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.
10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

**SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY**

**NOT APPLICABLE**

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

Yes  No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

9. Has EPA declared the best available control technology for this class of sources (If yes, attach copy)

Yes  No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

C. What emission levels do you propose as best available control technology?

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

D. Describe the existing control and treatment technology (if any).

1. Control Device/System:

2. Operating Principles:

3. Efficiency:\*

4. Capital Costs:

\*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant

Rate or Concentration

NOT APPLICABLE

10. Stack Parameters

- a. Height: ft.
- b. Diameter: ft.
- c. Flow Rate: ACFM
- d. Temperature: °F.
- e. Velocity: FPS

E. Describe the control and treatment technology available (As many types as applicable. use additional pages if necessary).

1.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

2.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

j. Applicability to manufacturing processes:

Ability to construct with control device, install in available space, and operate within proposed levels:

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

1. Control Device:

2. Efficiency:<sup>1</sup>

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:<sup>2</sup>

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

NOT APPLICABLE

- (5) Environmental Manager:
- (6) Telephone No.:
- (7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration


(8) Process Rate:<sup>1</sup>

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration


(8) Process Rate:<sup>1</sup>

10. Reason for selection and description of systems:

<sup>1</sup>Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data

1. \_\_\_\_\_ no. sites \_\_\_\_\_ TSP \_\_\_\_\_ ( ) SO<sub>2</sub> \_\_\_\_\_ Wind spd/dir

Period of Monitoring \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year

Other data recorded \_\_\_\_\_

Attach all data or statistical summaries to this application.

\*Specify bubbler (B) or continuous (C).

NOT APPLICABLE

2. Instrumentation, Field and Laboratory

- a. Was instrumentation EPA referenced or its equivalent? [ ] Yes [ ] No
- b. Was instrumentation calibrated in accordance with Department procedures?  
[ ] Yes [ ] No [ ] Unknown

3. Meteorological Data Used for Air Quality Modeling

- 1. \_\_\_\_\_ Year(s) of data from \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year
- 2. Surface data obtained from (location) \_\_\_\_\_
- 3. Upper air (mixing height) data obtained from (location) \_\_\_\_\_
- 4. Stability wind rose (STAR) data obtained from (location) \_\_\_\_\_

4. Computer Models Used

- 1. \_\_\_\_\_ Modified? If yes, attach description.
- 2. \_\_\_\_\_ Modified? If yes, attach description.
- 3. \_\_\_\_\_ Modified? If yes, attach description.
- 4. \_\_\_\_\_ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

5. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO <sub>2</sub>	_____ grams/sec

6. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

- 1. Attach all other information supportive to the PSD review.
- 2. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.
- 3. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.

Clinker Storage Silo (F-31)



Florida Department of Environmental Regulation

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

DER Form \_\_\_\_\_
Effective Date \_\_\_\_\_
DER Application No. \_\_\_\_\_

AC 27-191614

\$200 pd.
1-18-91
Recpt. #151235

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Portland Cement Plant [ ] New [X] Existing

APPLICATION TYPE: [ ] Construction [ ] Operation [X] Modification Resources

COMPANY NAME: Moore McCormack, Inc. d/b/a Florida Mining & Materials COUNTY: Hernando

Identify the specific emission point source(s) addressed in this application (i.e. Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) with Baghouse (F-31)

SOURCE LOCATION: Street U.S. Highway 98 City NW of Brooksville

UTM: East 17-356 North 3169

Latitude 28° 38' 34" N Longitude 82° 28' 25" W

APPLICANT NAME AND TITLE: C.M. Coleman Jr., Vice President and General Manager

APPLICANT ADDRESS: P.O. Box 6, Brooksville, Florida 34605-0006

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of Moore McCormack, Inc. Resources, d/b/a Florida Mining & Materials. I certify that the statements made in this application for a modification permit are true, correct and complete to the best of my knowledge and belief. I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permit establishment.

\*Attach letter of authorization

Signed: [Signature]

C.M. Coleman Jr., Vice President & General Manager Name and Title (Please Type)

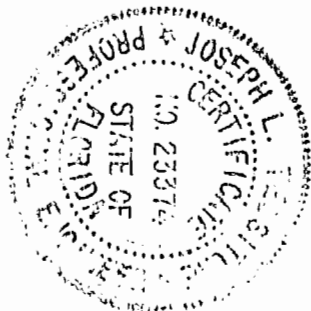
Date: 1/2/91 Telephone No. (904) 796-7241

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

1 See Florida Administrative Code Rule 17-2.100(57) and (104)

the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.



Signed Joseph L. Tessitore  
Joseph L. Tessitore  
 Name (Please Type)

Cross/Tessitore & Associates, P.A.  
 Company Name (Please Type)

4763 S. Conway Rd., Orlando, FL 32812  
 Mailing Address (Please Type)

Florida Registration No. 23374 Date: 1/14/91 Telephone No. (407) 851-1484

**SECTION II: GENERAL PROJECT INFORMATION**

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

SEE SUPPLEMENTAL INFORMATION: SECTION II

B. Schedule of project covered in this application (Construction Permit Application Only)  
 Start of Construction N/A Completion of Construction N/A

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

Equipment for Baghouse Complete	\$15,500.00
Erection and Ductwork	17,000.00
<b>TOTAL</b>	<b>\$32,500.00</b>

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

A027-183904	Issued	9-14-90	Expires	9-12-95
A027-103305	Issued	7-22-85	Expired	7-3-90
A027-31409	Issued	--	Expired	7-22-85
A027-2258	Issued	--	Expired	--
AC27-2258	Issued	12-18-73	Expired	7-27-73



Not Applicable

E. Requested permitted equipment operating time: hrs/day -- ; days/wk -- ; wks/yr -- ;  
if power plant, hrs/yr ; if seasonal, describe: \_\_\_\_\_

F. If this is a new source or major modification, answer the following questions.  
(Yes or No)

1. Is this source in a non-attainment area for a particular pollutant? NO

a. If yes, has "offset" been applied? \_\_\_\_\_

b. If yes, has "Lowest Achievable Emission Rate" been applied? \_\_\_\_\_

c. If yes, list non-attainment pollutants. \_\_\_\_\_

2. Does best available control technology (BACT) apply to this source?  
If yes, see Section VI. NO

3. Does the State "Prevention of Significant Deterioration" (PSD)  
requirement apply to this source? If yes, see Sections VI and VII. NO

4. Do "Standards of Performance for New Stationary Sources" (NSPS)  
apply to this source? NO

5. Do "National Emission Standards for Hazardous Air Pollutants"  
(NESHAP) apply to this source? NO

H. Do "Reasonably Available Control Technology" (RACT) requirements apply  
to this source? NO

a. If yes, for what pollutants? \_\_\_\_\_

b. If yes, in addition to the information required in this form,  
any information requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any justifi-  
cation for any answer of "No" that might be considered questionable.

SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		
Portland Cement Clinker	Particulate	0.008	168,000	F-31

B. Process Rate, if applicable: (See Section V, Item 1)

- Total Process Input Rate (lbs/hr): 168,000
- Product Weight (lbs/hr): 168,000

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission <sup>1</sup>		Allowed Emission Rate per Rule 17-2	Allowable <sup>3</sup> Emission lbs/hr	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual <sup>1</sup> T/yr			lbs/hr	T/yr	
Particulate	34.2	--	--	34.2	34.2	--	F-31

<sup>1</sup>See Section V, Item 2.

<sup>2</sup>Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

<sup>3</sup>Calculated from operating rate and applicable standard.

<sup>4</sup>Emission, if source operated without control (See Section V, Item 3).

D. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
Western Precipitation	Particulate	99.5	0 - 120	Manufacturer's
Pulse Flow Baghouse				Data

E. Fuels NOT APPLICABLE

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
	NOT APPLICABLE		

\*Units: Natural Gas--MCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis:

Percent Sulfur: \_\_\_\_\_ Percent Ash: \_\_\_\_\_

Density: \_\_\_\_\_ lbs/gal Typical Percent Nitrogen: \_\_\_\_\_

Heat Capacity: \_\_\_\_\_ BTU/lb \_\_\_\_\_ BTU/gal

Other Fuel Contaminants (which may cause air pollution): \_\_\_\_\_

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average \_\_\_\_\_ Maximum \_\_\_\_\_

G. Indicate liquid or solid wastes generated and method of disposal.

NOT APPLICABLE

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: 245 ft. Stack <sup>Dimensions</sup> ~~XXXXXXXX~~ 28" x 31" ~~XXXX~~  
 Gas Flow Rate: 13,000 ACFM -- DSCFM Gas Exit Temperature: 200 °F.  
 Water Vapor Content: \_\_\_\_\_ % Velocity: 35.9 FPS

**SECTION IV: INCINERATOR INFORMATION**  
**NOT APPLICABLE**

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lbs/hr)							

Description of Waste \_\_\_\_\_  
 Total Weight Incinerated (lbs/hr) \_\_\_\_\_ Design Capacity (lbs/hr) \_\_\_\_\_  
 Approximate Number of Hours of Operation per day \_\_\_\_\_ day/wk \_\_\_\_\_ wks/yr. \_\_\_\_\_  
 Manufacturer \_\_\_\_\_  
 Date Constructed \_\_\_\_\_ Model No. \_\_\_\_\_

	Volume (ft) <sup>3</sup>	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: \_\_\_\_\_ ft. Stack Diameter: \_\_\_\_\_ Stack Temp. \_\_\_\_\_  
 Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ DSCFM\* Velocity: \_\_\_\_\_ FPS

\*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device:  Cyclone  Wet Scrubber  Afterburner  
 Other (specify) \_\_\_\_\_

Brief description of operating characteristics of control devices: \_\_\_\_\_

NOT APPLICABLE

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

NOT APPLICABLE

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

#### SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.)
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency).
6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.
7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.
10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

**SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY**

**NOT APPLICABLE**

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

Yes  No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

9. Has EPA declared the best available control technology for this class of sources (If yes, attach copy)

Yes  No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

C. What emission levels do you propose as best available control technology?

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

D. Describe the existing control and treatment technology (if any).

1. Control Device/System:

2. Operating Principles:

3. Efficiency:\*

4. Capital Costs:

\*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant

Rate or Concentration

NOT APPLICABLE

10. Stack Parameters

- a. Height: ft.
- b. Diameter: ft.
- c. Flow Rate: ACFM
- d. Temperature: °F.
- e. Velocity: FPS

E. Describe the control and treatment technology available (As many types as applicable, use additional pages if necessary).

1.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

2.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

j. Applicability to manufacturing processes:

k. Ability to construct with control devices, install in available space, and operate within proposed levels:

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

1. Control Device:

2. Efficiency:<sup>1</sup>

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:<sup>2</sup>

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

<sup>1</sup> Explain method of determining efficiency.

<sup>2</sup> Energy to be reported in units of electrical power - KWH design rate.



NOT APPLICABLE

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

(8) Process Rate:<sup>1</sup>

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

(8) Process Rate:<sup>1</sup>

10. Reason for selection and description of systems:

<sup>1</sup>Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data

1. \_\_\_\_\_ no. sites \_\_\_\_\_ TSP \_\_\_\_\_ ( ) SO<sub>2</sub>\* \_\_\_\_\_ Wind spd/dir

Period of Monitoring \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year

Other data recorded \_\_\_\_\_

Attach all data or statistical summaries to this application.

\*Specify bubbler (B) or continuous (C).

NOT APPLICABLE

2. Instrumentation, Field and Laboratory

- a. Was instrumentation EPA referenced or its equivalent?  Yes  No
- b. Was instrumentation calibrated in accordance with Department procedures?  
 Yes  No  Unknown

3. Meteorological Data Used for Air Quality Modeling

- 1. \_\_\_\_\_ Year(s) of data from \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year
- 2. Surface data obtained from (location) \_\_\_\_\_
- 3. Upper air (mixing height) data obtained from (location) \_\_\_\_\_
- 4. Stability wind rose (STAR) data obtained from (location) \_\_\_\_\_

4. Computer Models Used

- 1. \_\_\_\_\_ Modified? If yes, attach description.
- 2. \_\_\_\_\_ Modified? If yes, attach description.
- 3. \_\_\_\_\_ Modified? If yes, attach description.
- 4. \_\_\_\_\_ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

5. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate	
TSP	_____	grams/sec
SO <sup>2</sup>	_____	grams/sec

6. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

- 1. Attach all other information supportive to the PSD review.
- 2. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.
- 3. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.

Kiln #1

A027-102582 Blending Silo (E-36)  
No AC

A027-103305 Clunker Silo (E-31)  
No AC

A027-103309 Raw Mill #1 (D-31)  
AC application specific process R. of 229,000 lb/hr  
24 hr/day, 330 day yr

A027-112105 Clunker Cooler #1 (E-18)  
AC app. Process Rate 142,000 lb/hr 24 hr/day, 330 d/yr

A027-169616 Kiln #1 Boomer (E-55)  
AC applie. 229,000 lb/hr  
Kiln #2

A027-143884 Raw materials Storage Silos (C-11)  
A027-65209 allows <sup>increase to</sup> a max. of 240 TPH - AC?  
AC 27-2252

A027-143887 Blending Silos to No. 2 Belm (E-17)  
AO specific 130 TPH  $\leftarrow$  AC?  
Increased from 120-130 by 143887  
AC 27-30451 specific 120 TPH

DEPARTMENT OF ENVIRONMENTAL REGULATION

**ROUTING AND TRANSMITTAL SLIP**

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

*Barry Andrews*

Initial

Date

2.

*BAD - Tallahassee*

Initial

Date

3.

Initial

Date

4.

**RECEIVED**

Initial

Date

REMARKS:

*Per our telephone conversation on SEP 28 1990 I have attached a request from Florida Mining & Materials for amendments to seven of operating permits. It seems to me that the construction permits should be amended first.*

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

FROM:

*Harry Lewis*

DATE

*9-25-90*

PHONE



CROSS/TESSITORE & ASSOCIATES, P.A.

4763 S. CONWAY ROAD, SUITE F  
ORLANDO, FLORIDA 32812  
407/851-1484

September 20, 1990

D. E. R.

SEP 21 1990

SOUTHWEST DISTRICT  
TAMPA

Mr. J. Harry Kerns  
District Engineer  
Southwest District  
Florida Department of  
Environmental Regulations  
4520 Oak Fair Boulevard  
Tampa, Florida 22610

SUBJECT: Florida Mining and Materials Kiln No. 1 System  
Permit Modifications and Renewal  
C/TA # F03.182

Dear Harry:

Attached is a courtesy copy of a previous submission which was hand delivered to your office by Mr. Ralph Shepard of Florida Mining and Materials on July 20, 1990. This previous submission included the following:

- (1) Requested amendments to operating permits: A027-143884, A027-102582, A027-143886, A027-103309, A027-169616, A027-112105, and A027-103305.
- (2) Renewal of operating permits: A027-103305, A026-103306, A027-103307, A027-103309, and A027-102582.

Since this original submission, FDER (Southwest District) has issued the following renewals: A027-183900, A027-183901, A027-183902, A027-183903, and A027-183804; however, these renewals do not reflect requested permit amendments as submitted on July 20, 1990. In addition, some of the requested modifications were not considered at all.

It would be helpful considering the elapsed time period, if these requested modifications and renewals could be implemented as expeditiously as possible since Florida Mining and Materials requires these modifications to optimize the efficiency of their process in an extremely competitive environment.

If you have any questions and/or require any additional data, please do not hesitate to call upon me.

Sincerely,

*Joseph L. Tessitore* / PKR

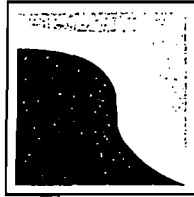
Joseph L. Tessitore, P.E.  
Vice President

JLT/bdf  
Enc. a/s  
C0907.Doc

Patty:  
Please Call  
Kay Rykowski  
@ Joe Tessitore

(907)  
851-1484

No. Fla. Minus  
\$ Mat's Kim  
No. 1



## FLORIDA MINING & MATERIALS

P. O. BOX 6, BROOKSVILLE, FLORIDA 34605-0006  
TELEPHONE (904) 796-7241

July 18, 1990

H. E. "HANK" ANDRE  
VICE PRESIDENT - OPERATIONS  
CEMENT & AGGREGATES

Mr. J. Harry Kerns  
District Engineer  
Southwest District  
Florida Department of  
Environmental Regulations  
4520 Oak Fair Boulevard  
Tampa, Florida 33610

SUBJECT: Florida Mining and Materials  
C/TA# F03.182

Dear Mr. Kerns:

This letter is to request several amendments to the current operating condition specified as part of the following permits:

<i>no. e delin</i> —	A027-143884	Raw Materials Storage Silos (C-11)
—	A027-102582 ✓	Blending Silos (E-36)
—	A027-143886	Blending Silos (F-17)
—	A027-103309 ✓	Raw Mill #1 (D-31)
—	A027-169616 ✓	Kiln #1 Baghouse (E-55)
—	A027-112105 ✓	Clinker Cooler #1 (F-18)
—	A027-103305 ✓	Clinker Silo (F-31)

Table 1 provides a summary of the proposed amendments, which include changes in production schedules and process feed rates. These amendments are necessary in order to optimize the efficiency of the cement plant. No changes in the hourly allowable emission rates for the sources included are requested. However, as a result of the changes in production schedule for source F-17, there is a corresponding reduction in the annual allowable emission rate. Table 2 provides an emissions summary for the sources included.

page two  
July 18, 1990

Also enclosed are five applications for renewal of the following permits:

A027-103305

A026-103306

A027-103307

A027-103309

A027-102582

Please do not hesitate to contact me should you have any questions.

Sincerely,



H.E. Andre  
Vice President Operations  
Cement & Aggregates

HEA/tr

enclosure



**TABLE 1**  
**PROPOSED PERMIT AMENDMENTS**  
**KILN #1 SYSTEM**

Source		Production Hours		Process Feed Rate	
		Permitted	Proposed	Permitted	Proposed
C-11	Raw Materials Storage Silos	7,896	-	240	290
E-36	Blending Silos	N/A	-	120	135
F-17	Blending Silos	7,896	7,500	130	135
D-31	Raw Mill #1	N/A	-	120	145
E-55	#1 Baghouse	N/A	-	120	130
F-18	#1 Cooler	N/A	-	71.25	84
F-31	Clinker Silo	N/A	-	71	84

*Submitted 7/18/90*

TABLE 2  
EMISSIONS SUMMARY  
KILN #1 SYSTEM

Source	Current Actual Emissions		Proposed Actual Emissions		Current Allowable Emissions		Proposed Allowable Emissions	
	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)
C-11 Raw Materials Storage Silos	-	-	-	-	1.29	5.1	1.29	5.1
E-36 Blending Silos	-	-	-	-	37.2	-	37.2	-
F-17 Blending Silos	-	-	-	-	1.02	4.0	1.02	3.8
D-31 Raw Mill #1	-	-	-	-	34.24	-	34.24	-
E-55 Kiln #1 Baghouse	8.03	35.2	8.70	38.1	36	-	36	-
F-18 Clinker Cooler #1	2.41	10.6	2.61	11.4	7.125	-	7.125	-
F-31 Clinker Silo	-	-	-	-	34.2	-	34.2	-

STATE OF FLORIDA  
**DEPARTMENT OF ENVIRONMENTAL REGULATION**

TWIN TOWERS OFFICE BUILDING  
 2600 BLAIR STONE ROAD  
 TALLAHASSEE, FLORIDA 32301



BOB GRAHA  
 GOVERNOR

VICTORIA J. TSCHINKE  
 SECRETARY

**APPLICATION FOR RENEWAL OF  
 PERMIT TO OPERATE AIR POLLUTION SOURCE(S)**

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: Portland Cement Plant Renewal of DER Permit No. A027-102582  
 Company Name: Moore McCormack Resources, Inc./  
dba Florida Mining & Materials County: Hernando

Identify the specific emission point source(s) addressed in this application (i.e., Line Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired):  
Blending and Storage silos with a Western Precipitation Pulse Flow Baghouse (E-36)  
at Cement Plant #1.

Source Location: Street: U.S. Highway 98 City: NW of Brooksville  
 UTM: East 17-356 North 3169  
 Latitude: 2 8 ° 3 8 ' 3 4 "N. Longitude: 8 2 ° 2 8 ' 2 5 "W.

1. Attach a check made payable to the Department of Environmental Regulation in accordance with operation permit fee schedule set forth in Florida Administrative Code Rule 17-4.05.
2. Have there been any alterations to the plant since last permitted?  Yes  No  
 If minor alterations have occurred, describe on a separate sheet and attach.
3. Attach the last compliance test report required per permit conditions if not submitted previously.
4. Have previous permit conditions been adhered to?  Yes  No If no, explain on a separate sheet and attach.
5. Has there been any malfunction of the pollution control equipment during tenure of current permit?  Yes  No If yes, and not previously reported, give brief details and what action was taken on a separate sheet and attach.
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department?  Yes  No
7. Has the annual operating report for the last calendar year been submitted?  Yes  No If no, please attach.

1. Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization	
	Type	wt	Rate	lbs/hr
Limestone	Particulate	0.02		223,746
Sand/Clay	Particulate	0.08		6,599
Flvash	Particulate	0.14		38,747
Mill Scale	Particulate	1.40		908
<b>TOTAL</b>				<b>1,270,000</b>

B. Product Weight (lbs/hr): \_\_\_\_\_

C. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	Avg/hr*	Max/hr**	
	NOT APPLICABLE		

D. Normal Equipment Operating Time: hrs/day \_\_\_\_\_; days/wk \_\_\_\_\_; wks/yr \_\_\_\_\_;  
 hrs/yr (power plants only) \_\_\_\_\_; if seasonal, describe \_\_\_\_\_

The undersigned owner or authorized representative\*\*\* of Moore McCormack Resources, Inc./ dba Florida Mining & Materials is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.

- \*During actual time of operation.
- \*\*Units: Natural Gas-MMCF/hr;  
Fuel Oils-barrels/hr; Coal-lbs/hr.
- \*\*\*Attach letter of authorization if not previously submitted

H. E. Andre  
 Signature, Owner or Authorized Representative  
 (Notarization is mandatory) Cement  
 H.E. Andre Vice President-Operations & Aggregate  
 \_\_\_\_\_  
 Typed Name and Title  
 P.O. Box 6  
 \_\_\_\_\_  
 Address  
 Brooksville FL 34605-0006  
 \_\_\_\_\_  
 City State Zip  
 7/18/90 (904) 796-7241  
 \_\_\_\_\_  
 Date Telephone No.

Laurie Chorvat  
 Notary Public, State of Florida  
 My Commission Expires Nov. 30, 1992  
 Bonded thru Troy Fain Insurance Inc.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKA  
SECRETARY

APPLICATION FOR RENEWAL OF  
PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: Portland Cement Plant Renewal of DER Permit No. A027-103306  
Company Name: Moore McCormack Resources, Inc./  
dba Florida Mining & Materials County: Hernando

Identify the specific emission point source(s) addressed in this application (i.e., Line Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired):

Cement Storage Silos using a Western Precipitation Pulse Flow Baghouse (H-3) at Cement Plant #

Source Location: Street: U.S. Highway 98 City: NW of Brooksville

UTM: East 17-356 North 3169

Latitude: 2 8 ° 3 8 ' 3 4 " N. Longitude: 8 2 ° 2 8 ' 2 5 " W.

1. Attach a check made payable to the Department of Environmental Regulation in accordance with operation permit fee schedule set forth in Florida Administrative Code Rule 17-4.05.
2. Have there been any alterations to the plant since last permitted?  Yes  No  
If minor alterations have occurred, describe on a separate sheet and attach.
3. Attach the last compliance test report required per permit conditions if not submitted previously.
4. Have previous permit conditions been adhered to?  Yes  No If no, explain on a separate sheet and attach.
5. Has there been any malfunction of the pollution control equipment during tenure of current permit?  Yes  No If yes, and not previously reported, give brief details and what action was taken on a separate sheet and attach.
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department?  Yes  No
7. Has the annual operating report for the last calendar year been submitted?  Yes  No If no, please attach.

1. Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization	
	Type	Wt	Rate	lbs/hr
Portland Cement	Particulate dust	---	98 tph	196,000

B. Product Weight (lbs/hr): 196,000

C. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	Avg/hr*	Max/hr**	
NOT APPLICABLE			

D. Normal Equipment Operating Time: (Not Applicable)  
 hrs/day ---; days/wk ---; wks/yr ---;  
 hrs/yr (power plants only) ---; if seasonal, describe ---

The undersigned owner or authorized representative\*\*\* of Moore McCormack Resources, Inc./ dba Florida Mining & Materials is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.

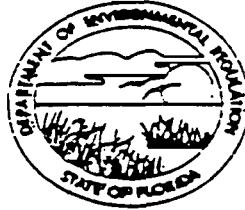
- \*During actual time of operation.
- \*\*Units: Natural Gas-MMCF/hr; Fuel Oils-barrels/hr; Coal-lbs/hr.
- \*\*\*Attach letter of authorization if not previously submitted

H. E. Andre  
 Signature, Owner or Authorized Representative  
 (Notarization is mandatory) Cement  
 H.E. Andre Vice President-Operations & Aggregate  
 Typed Name and Title  
 P.O. Box 6  
 Address  
 Brooksville City Fl 34605-0006 State Zip  
7/18/90 Date (904) 796-7241 Telephone No.

Laurie J. Chovet  
 Notary Public, State of Florida  
 My Commission Expires Nov. 30, 1992  
 Bonded Thru Troy Fair Insurance Inc.

STATE OF FLORIDA  
**DEPARTMENT OF ENVIRONMENTAL REGULATION**

TWIN TOWERS OFFICE BUILDING  
 2600 BLAIR STONE ROAD  
 TALLAHASSEE, FLORIDA 32301



BOB GRAHAM  
 GOVERNOR

VICTORIA J. TSCHINKEL  
 SECRETARY

**APPLICATION FOR RENEWAL OF  
 PERMIT TO OPERATE AIR POLLUTION SOURCE(S)**

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: Portland Cement Plant Renewal of DER Permit No. A027-103305  
 Company Name: Moore McCormack Resources, Inc./  
dba Florida Mining & Materials County: Hernando

Identify the specific emission point source(s) addressed in this application (i.e., Line Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired):

Clinker Silos using a Western Precipitation Pulse Flow Baghouse (F-31) at Cement Plant #1

Source Location: Street: U.S. Highway 98 City: NW of Brooksville  
 UTM: East 17-356 North 3169  
 Latitude: 2 8 ° 3 8 ' 3 4 "N. Longitude: 8 2 ° 2 8 ' 2 5 "W.

1. Attach a check made payable to the Department of Environmental Regulation in accordance with operation permit fee schedule set forth in Florida Administrative Code Rule 17-4.05.
2. Have there been any alterations to the plant since last permitted?  Yes  No  
 If minor alterations have occurred, describe on a separate sheet and attach.
3. Attach the last compliance test report required per permit conditions if not submitted previously.
4. Have previous permit conditions been adhered to?  Yes  No If no, explain on a separate sheet and attach.
5. Has there been any malfunction of the pollution control equipment during tenure of current permit?  Yes  No If yes, and not previously reported, give brief details and what action was taken on a separate sheet and attach.
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department?  Yes  No
7. Has the annual operating report for the last calendar year been submitted?  Yes  No If no, please attach.

1. Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization	
	Type	Wt	Rate	lbs/hr
Cement clinker	Particulate dust	---	84 tph	168,000

B. Product Weight (lbs/hr): 168,000

C. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Inout (MMBTU/hr)
	Avg/hr*	Max/hr**	
	NOT APPLICABLE		

D. Normal Equipment Operating Time: (Not Applicable)  
 hrs/day ---; days/wk ---; wks/yr ---;  
 hrs/yr (power plants only) ---; if seasonal, describe ---

The undersigned owner or authorized representative\*\*\* of Moore McCormack Resources, Inc./ dba Florida Mining & Materials is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.

- \*During actual time of operation.
- \*\*Units: Natural Gas-MMCF/hr; Fuel Oils-barrels/hr; Coal-lbs/hr.
- \*\*\*Attach letter of authorization if not previously submitted

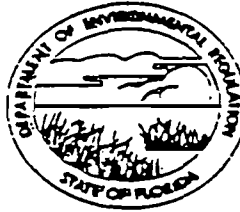
H. E. Andre  
 Signature, Owner or Authorized Representative  
 (Notarization is mandatory) Cement  
 H.E. Andre Vice President-Operations & Aggregat  
 Typed Name and Title  
 P.O. Box 6  
 Address  
 Brooksville Fl 34605-0006  
 City State Zip  
7/17/90 (904) 796-7241  
 Date Telephone No.

Lauriey Chouat



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

APPLICATION FOR RENEWAL OF  
PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: Portland Cement Plant Renewal of DER Permit No. A027-103307  
Company Name: Moore McCormack Resources, Inc./  
dba Florida Mining & Materials County: Hernando

Identify the specific emission point source(s) addressed in this application (i.e., Line Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired);  
Finish Mills #1 and #2 with particulate emissions from each mill controlled by a Western Precipitation Pulse Flow Baghouse (G-23) at Cement Plant #1.

Source Location: Street: U.S. Highway 98 City: NW of Brooksville  
UTM: East 17-356 North 3169  
Latitude: 2 8 ° 3 8 ' 3 4 "N. Longitude: 8 2 ° 2 8 ' 2 5 "W.

1. Attach a check made payable to the Department of Environmental Regulation in accordance with operation permit fee schedule set forth in Florida Administrative Code Rule 17-4.05.
2. Have there been any alterations to the plant since last permitted? [ ] Yes [x] No  
If minor alterations have occurred, describe on a separate sheet and attach.
3. Attach the last compliance test report required per permit conditions if not submitted previously.
4. Have previous permit conditions been adhered to? [x] Yes [ ] No If no, explain on a separate sheet and attach.
5. Has there been any malfunction of the pollution control equipment during tenure of current permit? [ ] Yes [x] No If yes, and not previously reported, give brief details and what action was taken on a separate sheet and attach.
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department? [x] Yes [ ] No
7. Has the annual operating report for the last calendar year been submitted? [x] Yes [ ] No If no, please attach.

Description	Contaminant		Utilization Rate lbs/hr
	Type	%wt	
Cement Clinker	Particulate dust	---	49 tph(each mill) 98,000

B. Product Weight (lbs/hr): 98,000 (each mill)

C. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Inout (MMBTU/hr)
	Avg/hr*	Max/hr**	
NOT APPLICABLE			

(Not Applicable)

D. Normal Equipment Operating Time: hrs/day ---; days/wk ---; wks/yr ---;  
 hrs/yr (power plants only) ---; if seasonal, describe ---

The undersigned owner or authorized representative\*\*\* of Moore McCormack Resources, Inc./ dba Florida Mining & Materials is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.

- \*During actual time of operation.
- \*\*Units: Natural Gas-MMCF/hr; Fuel Oils-barrels/hr; Coal-lbs/hr.
- \*\*\*Attach letter of authorization if not previously submitted

H. E. Andre  
 Signature, Owner or Authorized Representative  
 (Notarization is mandatory) Cement  
 H.E. Andre Vice President-Operations & Aggregate

Typed Name and Title  
P.O. Box 6  
 Address  
Brooksville FL 34605-0006  
 City State Zip  
7/18/90 (904) 796-7241  
 Date Telephone No.

Laurie J. Charvat  
 Notary Public, State of Florida  
 My Commission Expires Nov. 30, 1992  
 Bonded Thru Troy Fair - Insurance Inc.

1. Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization lbs/hr
	Type	SWt	
Cement_Clinker	Particulate dust	---	49 tph(each mill) 98,000

B. Product Weight (lbs/hr): 98,000 (each mill)

C. Fuels

Type (Be Soecific)	Consumption*		Maximum Heat Inout (MMBTU/hr)
	Avg/hr*	Max/hr**	
NOT APPLICABLE			

(Not Applicable)

D. Normal Equipment Operating Time: hrs/day ---; days/wk ---; wks/yr ---;  
 hrs/yr (power plants only) ---; if seasonal, describe ---

The undersigned owner or authorized representative\*\*\* of Moore McCormack Resources, Inc./ dba Florida Mining & Materials is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.

- \*During actual time of operation.
- \*\*Units: Natural Gas-MMCF/hr; Fuel Oils-barrels/hr; Coal-lbs/hr.
- \*\*\*Attach letter of authorization if not previously submitted

H. E. Andre  
 Signature, Owner or Authorized Representative  
 (Notarization is mandatory) Cement  
 H.E. Andre Vice President-Operations & Aggregate  
 Typed Name and Title  
 P.O. Box 6

Address  
Brooksville FL 34605-0006  
 City State Zip  
7/18/90 (904) 796-7241  
 Date Telephone No.

Laurie J. Charvat  
 Notary Public, State of Florida  
 My Commission Expires Nov. 30, 1992  
 Bonded Thru Troy Fein - Insurance Inc.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

APPLICATION FOR RENEWAL OF  
PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: Portland Cement Plant Renewal of DER Permit No. A027-103309  
Company Name: Moore McCormack Resources, Inc./  
dba Florida Mining & Materials County: Hernando

Identify the specific emission point source(s) addressed in this application (i.e., Line Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired):

Raw Mill #1 using a Western Precipitation Pulse Flow Baghouse (D-31) at Cement Plant #1

Source Location: Street: U.S. Highway 98 City: NW of Brooksville  
UTM: East 17-356 North 3169  
Latitude: 2 8 ° 3 8 ' 3 4 "N. Longitude: 8 2 ° 2 8 ' 2 5 "W.

1. Attach a check made payable to the Department of Environmental Regulation in accordance with operation permit fee schedule set forth in Florida Administrative Code Rule 17-A.05.
2. Have there been any alterations to the plant since last permitted?  Yes  No  
If minor alterations have occurred, describe on a separate sheet and attach.
3. Attach the last compliance test report required per permit conditions if not submitted previously.
4. Have previous permit conditions been adhered to?  Yes  No If no, explain on a separate sheet and attach.
5. Has there been any malfunction of the pollution control equipment during tenure of current permit?  Yes  No If yes, and not previously reported, give brief details and what action was taken on a separate sheet and attach.
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department?  Yes  No
7. Has the annual operating report for the last calendar year been submitted?  Yes  No If no, please attach.

I. Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization lbs
	Type	wt	
Limestone	Particulate	0.02	240,319
Sand/Clay	Particulate	0.08	7,088
Flyash	Particulate	0.14	41,617
Mill Scale	Particulate	1.40	976
TOTAL			290,000

B. Product Weight (lbs/hr): 290,000

C. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	Avg/hr*	Max/hr**	
	NOT APPLICABLE		

D. Normal Equipment Operating Time: hrs/day \_\_\_\_\_; days/wk \_\_\_\_\_; wks/yr \_\_\_\_\_;  
 hrs/yr (power plants only) \_\_\_\_\_; if seasonal, describe \_\_\_\_\_

The undersigned owner or authorized representative\*\*\* of Moore McCormack Resources, Inc. dba Florida Mining & Material is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution control and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He understands that a permit, if granted by the Department, will be non-transferable and will promptly notify the Department upon sale or legal transfer of the permitted facility.

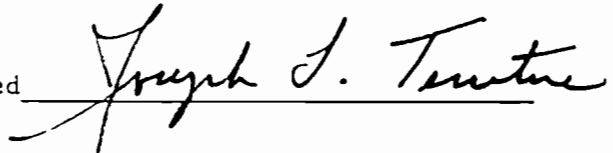
- \*During actual time of operation.
- \*\*Units: Natural Gas-MMCF/hr; Fuel Oils-barrels/hr; Coal-lbs/hr.
- \*\*\*Attach letter of authorization if not previously submitted

H. E. Andre  
 Signature, Owner or Authorized Representative  
 (Notarization is mandatory) Certified  
 H.E. Andre Vice President-Operations & Administration  
 Typed Name and Title  
 P.O. Box 6  
 Address  
 Brooksville FL 34605  
 City State  
 7/18/90 (904) 796-7241  
 Date Telephone No.

Professional Engineer Certification Statement

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.

Signed



Joseph L. Tessitore

Name

Cross/Tessitore & Associates, P.A.

Company Name

4763 S. Conway Rd. Orlando, Fl 32812

Mailing Address

Florida Registration No. 23374

Date: 8/2/90

Telephone No. (407)851-1484