



Lawton Chiles
Governor

Florida Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

January 19, 1994

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

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

Dear Mr. Kelly:

Re: Request for Authorization to Utilize/Fire Whole Tires
Continuously in the Facility's No. 1 Cement Kiln
AC 27-240349

Attached is one copy of the proposed construction permit to allow continuous utilization of whole tires as a supplement to the current permitted fuels in Southdown, Inc. /dba Florida Mining & Materials's (FM&M) No. 1 cement kiln. FM&M proposes a utilization/feed rate of 20.0% of the total Btu heat input, or 2.14 tons per hour. The No. 1 cement kiln was permitted under the construction permit, No. AC 27-186923, and is not permitted to utilize/fire whole tires in accordance with the referenced permit.

If there are any questions, please call Mr. Bruce Mitchell at (904)488-1344 or submit any written comments you wish to have considered concerning the Department's proposed action to me.

Sincerely,

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

CHF/BM/rbm

Attachments

c: B. Thomas, SW District
J. Bunyak, NPS
C. Hetrick, HCBCC
D. Beason, Esq., DEP
A. Lue, P.E., SI
J. Koogler, Ph.D., P.E., K&A
J. Harper, EPA
D. Buff, P.E., KBN
A. Cleveland, Esq., OHF&C
L. Sellers, Jr., Esq., H&K

P 872 562 595



Receipt for Certified Mail

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

PS Form 3800, JUNE 1991

Sent to Mr. Don Kelly, Southdown, Inc.	
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 & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date Mailed: 1-20-94 Permit: AC 27-240349	

Thank you for using Return Receipt Service

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

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

<p>3. Article Addressed to: Mr. Don Kelly Plant Manager Southdown, Inc dba Florida Mining and Materials Post Office Box 6 Brooksville, FL 34605-0006</p>	<p>4a. Article Number P 872 562 595</p>	<p>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</p>	<p>7. Date of Delivery 1-27-98</p>
<p>5. Signature (Addressee)</p>	<p>8. Addressee's Address (Only if requested and fee is paid)</p>		
<p>6. Signature (Agent) <i>Barbara Tate</i></p>			

DOMESTIC RETURN RECEIPT

PS Form 3811, December 1991 *U.S. GPO: 1992-323-402

Is your RETURN ADDRESS completed on the reverse side?

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

In the Matter of
Application for Permit by:

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

DEP File No. AC 27-240349

INTENT TO ISSUE

The Department of Environmental Protection (Department) hereby gives notice of its intent to issue to Southdown, Inc. /dba Florida Mining & Materials (FM&M) a construction permit, No. AC 27-240349, authorizing continuous utilization of whole tires in the facility's No. 1 cement kiln, as detailed in the request for a construction permit specified above. The Department is issuing this Intent to Issue for the reasons stated below and in the attached proposed construction permit.

The applicant, FM&M, submitted a request on October 12, 1993, and the processing fee on October 26, 1993, to the Department's Bureau of Air Regulation (BAR) for authorization to utilize/fire whole tires on a continuous basis in the facility's No. 1 cement kiln. FM&M requests a maximum utilization/firing rate of 20.0% of the total Btu heat input, or 2.14 tons per hour. The No. 1 cement kiln was permitted under the construction permit, No. AC 27-186923, and is not permitted to utilize/fire whole tires in accordance with the referenced permit.

The proposed project will occur at the applicant's facility located on U.S. Highway 98 NW of Brooksville, Hernando County, Florida.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes (F.S.); Florida Administrative Code (F.A.C.) Chapters 17-210 and 17-4; and, 40 CFR (July 1, 1992 version). The project is not exempt from permitting procedures. The Department has determined that a construction permit is required for the proposed activity.

Pursuant to Section 403.815, F.S., and 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 a 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's Bureau of Air Regulation, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, 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 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, F.S. 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, F.S.

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 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 PROTECTION



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

Copies furnished to:

B. Thomas, SW District	D. Beason, Esq., DEP
J. Koogler, Ph.D., P.E., K&A	C. Hetrick, HCBCC
J. Harper, EPA	A. Lue, P.E., SI
J. Bunyak, NPS	A. Cleveland, Esq., OHF&C
L. Sellers, Jr., Esq., H&K	D. Buff, P.E., KBN

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 1/20/94.

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.

Barbara J. Boutwell 1/20/94
Clerk Date

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

Florida Mining & Materials

AC 27-240349

The Department of Environmental Protection (Department) hereby gives notice of its intent to issue to Southdown, Inc. /dba Florida Mining & Materials (FM&M), a construction permit, No. AC 27-240349, authorizing continuous utilization/firing of whole tires in the facility's No. 1 cement kiln, as detailed in the request for permit. The Department is issuing this Intent to Issue for the reasons stated below and in the proposed construction permit.

The applicant, FM&M, Post Office Box 6, Brooksville, Florida 34605-0006, submitted a request on October 12, 1993, and the processing fee on October 26, 1993, to the Department's Bureau of Air Regulation (BAR) for authorization to utilize/fire whole tires as a supplemental fuel on a continuous basis in the facility's No. 1 cement kiln. FM&M requests a maximum utilization/firing rate of 20.0% of the total BTU heat input, or 2.14 tons per hour. The No. 1 cement kiln was permitted under the construction permit, No. AC 27-186923, and is not permitted to fire whole tires in accordance with the referenced permit.

Based on the emissions test results (baseline versus whole tire fuel conditions) conducted May 4-5, 1993 and June 8-9, 1993, actual pollutant emissions of total carbon monoxide (CO) increased by an average of 17.5 lbs/hr [a +76.6 TPY net increase @ 8760 hrs/yr operation; Note: the PSD significant emission rate is 100 TPY (see Table 212.400-2, Florida Administrative Code (F.A.C.))]. Since there is no specific source emission limiting standard for CO contained in the Department's regulations nor in the federal New Source Performance Standards, then the proposed construction permit will establish a federally enforceable allowable/potential CO emissions limitation of 223.4 TPY for the No. 1 cement kiln; and, for PSD new source review (NSR) tracking purposes, a projected potential emissions level for CO of +98.1 TPY (@ 22.4 lbs/hr and 8760 hrs/yr). Note, any future increase of allowable/potential CO emissions of +1.9 TPY (i.e., 225.3 TPY = 223.4 + 1.9) will result in a NSR emissions review requirement pursuant to Rule 17-212.400(5), F.A.C., in accordance with Rule 17-212.400(2)(g), F.A.C.

The proposed project will occur at the applicant's facility located on U.S. Highway 98 NW of Brooksville, Hernando County, Florida.

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 (F.S.). 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, F.S.

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

Department of Environmental Protection
Southwest District Office
3804 Coconut Palm Drive
Tampa, Florida 33619-8218

Hernando County Board of County Commission
20 North Main Street, Room 460
Brooksville, Florida 34601

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

Attachment Section

1. Dr. John B. Koogler's Memorandum with Attachments received 6/22/93.
2. Dr. John B. Koogler's letter and with Enclosures received 7/30/93.
3. Dr. John B. Koogler's letter with Attachments received 8/18/93.
4. Mr. C. Anthony Cleveland's letter with Enclosures received 9/16/93.
5. Dr. John B. Koogler's letter received 10/14/93.
6. Mr. David A. Buff's letter received 10/19/93, via FAX.
7. Mr. C. Anthony Cleveland's letter received 10/26/93.
8. Mr. Don Kelly's letter with Enclosure and processing fee received 10/26/93.
9. Dr. John B. Koogler's FAX cover form with Attachment received 1/14/94.
10. 40 CFR (July 1, 1992 version).
11. Ms. Jewell A. Harper's letter dated April 4, 1990.
12. Intent to Issue package dated May 29, 1992.
13. Public Notice verification received <Date>.
14. Final Determination dated <Date>.



Florida Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

PERMITTEE:
Southdown, Inc. dba
Florida Mining & Materials
Post Office Box 6
Brooksville, Fl 34605-0006

Permit Number: AC 27-240349
Expiration Date: June 30, 1994
County: Hernando
Latitude/Longitude: 28°38'34"N
82°28'25"W
Project: No. 1 Cement Kiln
Modification

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.); Florida Administrative Code (F.A.C.) Chapters 17-2, 17-210 thru 17-297, and 17-4; and, 40 CFR (July 1, 1992 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 cement kiln to allow continuous utilization/firing of whole tires as a supplemental fuel to coal. The maximum utilization/firing rate is 20.0% of the total Btu heat input, or 2.14 tons per hour. The kiln's primary fuel is coal and supplemented with a blended re-refined used oil called Flolite. 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 Classification Code numbers are:

- o 3-05-006-06 Cement Mfg-Dry Process Tons Cement Produced
- o 3-90-002-01 Bitum. Coal-Cement Kiln Tons Burned
- o 3-90-012-99 Solid Waste-General Tons Burned

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. Dr. John B. Koogler's Memorandum with Attachments received 6/22/93.
2. Dr. John B. Koogler's letter and with Enclosures received 7/30/93.
3. Dr. John B. Koogler's letter with Attachments received 8/18/93.
4. Mr. C. Anthony Cleveland's letter with Enclosures received 9/16/93.
5. Dr. John B. Koogler's letter received 10/14/93.

PERMITTEE:
Southdown, Inc. dba/FM&M

Permit Number: AC 27-240349
Expiration Date: June 30, 1994

Attachments cont.:

6. Mr. David A. Buff's letter received 10/19/93, via FAX.
7. Mr. C. Anthony Cleveland's letter received 10/26/93.
8. Mr. Don Kelly's letter with Enclosure and processing fee received 10/26/93.
9. Dr. John B. Koogler's FAX cover form with Attachment received 1/14/94.
10. 40 CFR (July 1, 1992 version).
11. Ms. Jewell A. Harper's letter dated April 4, 1990.
12. Intent to Issue package dated January 19, 1994.
13. Public Notice verification received <Date>.
14. Final Determination dated <Date>.

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, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of F.S. and Department rules, unless specifically authorized by an order from the Department.

PERMITTEE:
Southdown, Inc. dba/FM&M

Permit Number: AC 27-240349
Expiration Date: June 30, 1994

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.

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.

PERMITTEE:
Southdown, Inc. dba/FM&M

Permit Number: AC 27-240349
Expiration Date: June 30, 1994

GENERAL CONDITIONS:

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 F.S. or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and F.S. after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by F.S. or Department rules.
11. This permit is transferable only upon Department approval in accordance with F.A.C. Rules 17-4.120 and 17-30.300, 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 constitutes compliance with:
 - a. New Source Performance Standards (NSPS), 40 CFR Part 60, Subpart F, Portland Cement Plants;
14. The permittee shall comply with the following:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

PERMITTEE:
Southdown, Inc. dba/FM&M

Permit Number: AC 27-240349
Expiration Date: June 30, 1994

GENERAL CONDITIONS:

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. Construction permit No. AC 27-186923 and all associated documents and conditions are incorporated by reference.

2. Amendments to construction permit No. AC 27-186923 signed June 25, 1991, October 8, 1991, and March 31, 1992, and all associated documents and conditions are incorporated by reference.

3. Operation Permit No. AO 27-213207 and all associated documents and conditions are incorporated by reference.

4. In the No. 1 cement kiln, continuous whole tire-derived fuel (WTDF) utilization/firing shall be allowed (i.e., 8760 hrs/yr operation).

5. The No. 1 cement kiln's maximum utilization/firing rate of WTDF shall not exceed 20.0 percent of the total Btu heat input, or 2.14 tons per hour.

6. The utilization/firing rate of WTDF shall be quantified (weighed) continuously and recorded hourly; and, the records shall be kept on file for a minimum of two years.

7. The quantity of all deliveries of WTDF shall be documented and kept on record/file for a minimum of two years.

PERMITTEE:
Southdown, Inc. dba/FM&M

Permit Number: AC 27-240349
Expiration Date: June 30, 1994

SPECIFIC CONDITIONS:

8. WTDF may be introduced into the No. 1 cement kiln only at a point at the base of the preheater (i.e., kiln exit).
9. WTDF firing in the No. 1 cement kiln shall not commence or be conducted unless the cement kiln has reached an operating temperature of at least 1,400°F for one hour. The operating temperature shall be measured at the cement kiln exit.
10. Any change in the method of operation, etc., pursuant to Florida Administrative Code (F.A.C.) Rule 17-210.200, Definitions-Modification, the permittee shall submit an application along with the appropriate processing fee to the Department's Bureau of Air Regulation.
11. Objectionable odors shall not be allowed off the facility's property in accordance with F.A.C. Rule 17-296.320.
12. While utilizing/firing WTDF with coal, the maximum allowable/potential carbon monoxide (CO) emissions shall not exceed 51 lbs/hr, 223.4 tons/yr, which was requested by the permittee to avoid new source review (NSR) requirements pursuant to Rules 17-212.400(2)(d) and (g) and 17-212.400(5), F.A.C.
13. Pursuant to Rule 17-212.400(2)(g), F.A.C., any net increase in potential emissions of +1.9 tons/yr of CO above the maximum allowable/potential emissions of 223.4 tons/yr while utilizing/firing WTDF with coal, the No. 1 cement kiln will be subject to NSR in accordance with Rule 17-212.400(5), F.A.C. For PSD tracking purposes, the net potential CO emissions are +98.1 tons/yr while utilizing/firing WTDF with coal.
14. An annual compliance test for CO while utilizing/firing WTDF with coal shall be conducted using EPA Reference Method 10, in accordance with Rule 17-297.400((10), F.A.C., and 40 CFR part 60, Appendix A (July 1, 1992 version).
15. The cement kiln and its associated equipment are subject to the applicable provisions of F.A.C. Rules 17-210.650: Circumvention; 17-210.700: Excess Emissions; and, 17-4.130: Plant Operations-Problems.
16. An annual operation report (AOR) shall be submitted to the Department's Southwest District office by March 1 reporting the No. 1 cement kiln's total amount, by weight, of the WTDF utilized/fired during the previous year.

PERMITTEE:
Southdown, Inc. dba/FM&M

Permit Number: AC 27-240349
Expiration Date: June 30, 1994

SPECIFIC CONDITIONS:

17. Daily sampling of the baghouse dust for the No. 1 kiln is required. The concentration of thallium in the baghouse dust shall not exceed 1.5%. Compliance shall be demonstrated using the "Thallium Concentration Monitoring and Analysis Procedure" as described in Mr. Bob Rogers's letter to Dr. John Koogler, dated January 12, 1994 (Attachment #9).

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

19. An application for an operation permit must be submitted to the Department's Southwest District office at least 90 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the permittee 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 (Rules 17-4.055 and 17-210.350, F.A.C.).

Issued this _____ day
of _____, 1994

**STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION**

Howard L. Rhodes
Director
Division of Air Resources Management



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

APR 4 1990

4APT-AEB

RECEIVED

APR 09 1990

DER-BAQ/m

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

RE: Florida Crushed Stone (PSD-FL-091)

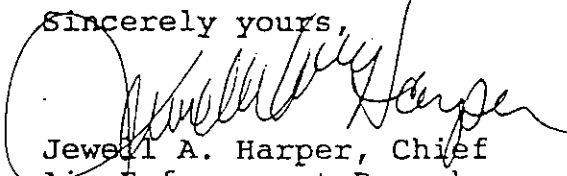
Dear Mr. Fancy:

This is to acknowledge receipt of your letter dated March 15, 1990, transmitting a request by Florida Crushed Stone to amend their prevention of significant deterioration (PSD) permit to allow the burning of tire derived fuel (TDF) in their cement kiln. The current permit for the source limits the fuel of the kiln to coal only. As discussed between Mr. Bruce Mitchell of your staff and Mr. Gregg Worley of my staff on March 30, 1990, we have the following comments.

Under the scenario presented by the source, the switch to the use of TDF in the kiln would not constitute a major modification for the purposes of PSD provided that the increase in pollutants due to the fuel switch did not exceed significant emissions increase levels. It is important to note that the change in emissions must be evaluated from "old actual" to "new allowable" emissions. The old actual emissions must be based on the previous two years of operating data unless some other period is deemed to be more representative of normal operating conditions. The new allowable emissions will be those emissions which are reflected in the amended permit. Also, it was noted that the list of pollutants to be tested did not include benzene. Since benzene is a pollutant regulated under the Clean Air Act for which a significant emissions rate has not been established, any increase of emissions of benzene would subject the source to PSD.

Thank you for the opportunity to review and comment on this package. If you have any further questions or comments, please do not hesitate to contact Mr. Gregg Worley of my staff at 404/347-2864.

Sincerely yours,


Jewell A. Harper, Chief
Air Enforcement Branch
Air, Pesticides and Toxics
Management Division