

File Copy

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NOTICE OF PERMIT AMENDMENT

In the matter of an  
Application for Permit Amendment by:

DEP File No. AC 27-222095  
PSD-FL-091D  
Hernando County

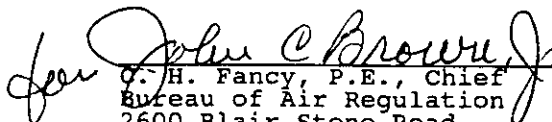
Mr. Tom Mountain  
Environmental Manager  
Florida Crushed Stone Company  
Post Office Box 1508  
Brooksville, Florida 34605-1508

Enclosed is a Permit Amendment to AC 27-222095 and PSD-FL-091 (PSD-FL-091D) authorizing the firing of a storage tank blend of on-site generated on-specification used oil with purchased fuel oil as a start-up fuel only in the cement kiln at the existing Florida Crushed Stone Company's facility located west of Brooksville, Hernando County, Florida. This permit amendment is issued pursuant to Section(s) 403, Florida Statutes.

Any party to this Order (permit) has the right to seek judicial review of the permit Amendment 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 PROTECTION

  
John C. Brown Jr.  
G. 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 AMENDMENT and all copies were mailed before the close of business on December 17, 1993 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.

  
Charlotte Hayes  
(Clerk)

12/17/93  
(Date)

Copies furnished to:

B. Thomas, SW District  
C. Hetrick, HCBCC  
J. Harper, EPA

D. Beason, Esq., DEP  
A. Cleveland, Esq., OHF&C (pick-up by number) } 12-17-93  
J. Bunyak, NPS } RL

Ready File

P 872 562 575



### Receipt for Certified Mail

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

Sent to Mr. Thomas W. Mountain, FCS	
Street and No. P. O. Box 1508	
P.O., State, and ZIP Code Brooksville, FL 34605-1508	
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: 12-17-93 Permit: AC 27-222095 amend PSD-FL-091 amend (PSD-FL-091D)	

PS Form 3800, JUNE 1991

Is your RETURN ADDRESS completed on the reverse side?

#### 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 will show to whom the article was delivered and the date delivered.

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

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
Mr. Thomas W. Mountain  
Environmental Manager  
Florida Crushed Stone Company  
P. O. Box 1508  
Brooksville, FL 34605-1508

4a. Article Number  
P 872 562 575

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

7. Date of Delivery  
12-23-93

5. Signature (Addressee)  
*[Handwritten Signature]*

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

6. Signature (Agent)

Thank you for using Return Receipt Service.



# Florida Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

December 14, 1993

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Tom Mountain  
Environmental Manager  
Florida Crushed Stone Company  
Post Office Box 1508  
Brooksville, Florida 34605-1508

Dear Mr. Mountain:

Re: Amendment to the Construction Permit, No. AC 27-222095 (PSD-FL-091D), to Allow the Firing of a Storage Tank Blend of On-Site Generated On-Specification Used Oil with Purchased Fuel Oil as a Start-up Fuel Only in the Facility's Cement Kiln

The Department has reviewed the request for a construction permit amendment that you provided in a letter received on March 23, 1993. The request was for Florida Crushed Stone Company's (FCSC) cement kiln to be permitted to fire a storage tank blend of on-site generated on-specification used oil with purchased fuel oil as a start-up fuel only; and, the maximum on-specification used oil in the final storage tank blend of on-specification used oil and purchased fuel oil shall not exceed 15%, by volume. Based on a review of the request and discussions with the Department's Southwest District and the Hernando County Planning Department representatives, the request is deemed acceptable. Therefore, the following Specific Condition and Attachments will be added:

SPECIFIC CONDITION:

No. 19. (new)

The following conditions apply to the firing of a blend of on-site generated on-specification used oil with purchased fuel oil as a start-up fuel only by FCSC's cement kiln:

- o Mr. Tom Mountain's letter with enclosures dated March 18, 1993, and received by the Department on March 23, 1993, is incorporated by reference.
- o The on-specification used oil that will be blended with the purchased fuel oil in the cement kiln's storage tank shall be only from the used oil storage tanks located at the FCSC's Greg Mine and CPL Plant.
- o The maximum on-specification used oil in the final storage tank blend of on-specification used oil and purchased fuel oil shall not exceed 15%, by volume.

Mr. Tom Mountain  
 Amendment to AC 27-222095 (PSD-FL-091D)  
 December 14, 1993  
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- o The cement kiln shall be preheated using virgin fuel oil and/or a blend of on-specification used oil and purchased fuel oil with a total sulfur content not to exceed 1.5%, by weight. The constituent/property of the on-specification used oil shall not exceed the following associated allowable levels, as stipulated and defined in 40 CFR 266.40 (July 1, 1992 version), which is adopted by reference in Rule 17-730.181, Florida Administrative Code (F.A.C.):

Constituent/Property Allowable Concentration

Cadmium	2 ppm maximum
Arsenic	5 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	1000 ppm maximum
Flash Point	140 °F minimum

- o Analysis and recordkeeping shall be in accordance with 40 CFR 266.43(b)(1) and (6) (July 1, 1992 version).
- o A sample shall be taken from the outlet of the blend tank on the first working day (i.e., Monday-Friday; exceptions: holidays) of each month if any used oil was placed in the tank the previous month; or, the sample can be taken directly from the used oil mobile collection tank after final collection and prior to the time of the initial transfer; but, the sampling frequency shall be no less than quarterly and the sampling methodology shall have been established with the Department and Hernando County prior to sampling. Upon taking a sample, the sample shall be analyzed for the following constituent/property and associated unit and using the following test methods:

<u>Constituent/Property</u>	<u>Unit</u>	<u>Test Method</u>
Cadmium	ppm	EPA SW-846(3040-7130)
Arsenic	ppm	EPA SW-846(3050-7061)
Chromium	ppm	EPA SW-846(3040-7190)
Lead	ppm	EPA SW-846(3040-7420)
Total Halogens	ppm	ASTM E442
Sulfur	%	ASTM D129
Flash Point	°F	ASTM D93
Heat of Combustion	Btu/gal	D287 <i>should have been D240 gm</i>
Density	lbs/gal	

Note: Other test methods may be used only after receiving written approval from the Department.

- o The results of each sample analysis shall be submitted to the

Mr. Tom Mountain  
Amendment to AC 27-222095 (PSD-FL-091D)  
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- Department's Southwest District and the Hernando County Planning offices within 30-days after a sample is taken.
- o The dates and quantities of both on-specification and purchased fuel oil transferred to the cement kiln's storage tank shall be reported quarterly (i.e., Jan.-Mar., April-June, July-Sept., and Oct.-Dec.) to the Department's Southwest District and the Hernando County Planning offices and due during the month following the ending quarter.
  - o Permittee agrees that the used oil to be blended and burned at this facility shall not be a hazardous waste as defined by Rule 17-730.030, F.A.C., or 40 CFR Part 261 (July 1, 1992 version) and will not include fuels or blended fuels consisting in whole or in part of hazardous waste or which include mixtures of any solid waste generated from the treatment, storage, or disposal of hazardous waste, and such burning shall be in compliance with Section 403.769(3), Florida Statutes.

Attachments to be Incorporated:

- o Mr. C. H. Fancy's letter dated 1/26/93.
- o Mr. Tom Mountain's letter with enclosure received 3/23/93.
- o Mr. C. H. Fancy's letter dated 4/1/93.
- o Mr. Tom Mountain's letter and processing fee received 4/14/93.
- o Mrs. Katherine P. Liles's letter received 5/27/93.
- o Mr. C. H. Fancy's letter dated 6/8/93.
- o Mr. C. Anthony Cleveland's letter received 12/8/93, via FAX.
- o 40 CFR (July 1, 1992 version).

This letter must be attached to the construction permit, No. AC 27-222095, and federal permit PSD-FL-091 (PSD-FL-091D), and shall become a part of the permits.

Sincerely,



Howard L. Rhodes  
Director  
Division of Air Resources Management

HLR/rbm

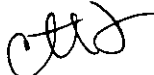
Attachments

cc: B. Thomas, SWD  
C. Hetrick, HCBCC  
J. Harper, EPA  
D. Beason, Esq., DEP  
A. Cleveland, Esq., OHF&C  
J. Bunyak, NPS

Memorandum

Florida Department of  
Environmental Protection

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TO: Howard L. Rhodes  
FROM: Clair Fancy   
DATE: December 13, 1993  
SUBJ: Amendment Letter to the Construction Permit  
AC 27-222095 and PSD-FL-091 (PSD-FL-091D)  
Florida Crushed Stone Company: Cement Kiln

Attached for your approval and signature is a letter amendment authorizing the firing of a storage tank blend of on-site generated on-specification used oil with purchased fuel oil as a start-up fuel only in Florida Crushed Stone Company's (FCSC) cement kiln. The blend in the storage tank will be no greater than 15%, by volume, of the used oil. The existing kiln processes raw material to produce clinker with the primary heat source being coal, and supplemented with used tires. The kiln's exhaust gases first pass through a fluidized bed combustor (Power Plant) and then through a baghouse system. FCSC is located west of Brooksville, Hernando County, Florida.

I recommend your approval and signature.