

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT

In the matter of an
Application for Permit by:

DER File No. AC 29-187327
Hillsborough County

Mr. J. E. Parsons, General Manager
CF Industries, Inc.
Post Office Drawer L
Plant City, Florida 33564

Enclosed is Permit Number AC 29-187327 for the above mentioned company to increase molten sulfur throughput and annual throughput, 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

for Barry D. Andrews
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 4-13-92 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.

P. J. [Signature]
(Clerk)

4-13-92
(Date)

Copies furnished to:

- B. Thomas, SW District
- C. Fred Deuel, P.E.
- J. B. Koogler, P.E.
- I. Choronenko, EPCHC

Final Determination

CF Industries, Inc.
Hillsborough County
Plant City, Florida

Molten Sulfur Storage and Handling System

Permit Number: AC 29-187327

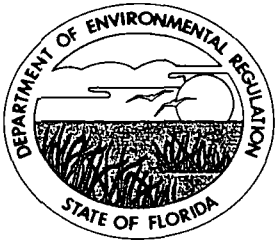
Florida Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

April 1, 1992

Final Determination

The revised Technical Evaluation and Preliminary Determination for the permit modification to increase molten sulfur throughput from 2250 TPD to 2550 TPD and annual throughput from 825,000 tons to 930,000 tons at CF Industries, Inc. in Plant City, Hillsborough County, Florida, was distributed on February 24, 1992. The Notice of Intent to Issue was published in the Tampa Tribune on March 4, 1992. Copies of the evaluation were available for public inspection at the Department's Southwest and Tallahassee offices and at the Environmental Protection Commission of Hillsborough County (EPCHC) office in Tampa.

No comments were submitted on the Department's Intent to Issue the permit. The final action of the Department will be to issue construction permit AC 29-187327 as proposed in the revised Technical Evaluation and Preliminary Determination.



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:
CF Industries, Inc.
Post Office Drawer L
Plant City, FL 33564

Permit Number: AC 29-187327
Expiration Date: Dec. 1, 1992
County: Hillsborough
Latitude/Longitude: 28°09'52"N
82°08'30"W

Project: Molten Sulfur Storage
and Handling System

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 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 an increase in annual throughput at the existing molten sulfur storage and handling facility, consisting of a rail and two truck unloading systems (the rail system is not currently in use); one 2600 short ton (ST) molten sulfur storage tank; 679 ST truck pit A; 679 ST truck pit B; and the associated transfer pumps and piping. The maximum sulfur throughput shall not exceed 2550 TPD average and 930,750 TPY. The increase in sulfur rate is to offset purchases of sulfuric acid. The molten sulfur system is located at the CFI facility in Plant City, Hillsborough County, Florida.

UTM coordinates of this facility are Zone 17, 388.3 km East and 3115.7 km North. APIS number for the sulfur handling system is 40 HIL 29 000531.

The higher daily and annual molten sulfur throughput shall be accomplished without making any physical changes to the existing facility and shall conform to the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. CF Industries, Inc.'s application received October 1, 1990.
2. DER's letter dated October 25, 1990.
3. CFI's response received December 10, 1990.
4. DER's Preliminary Determination dated February 11, 1991.
5. CFI's letter to amend the construction permit application dated March 5, 1991.
6. DER's letter dated April 5, 1991.
7. C. Fred Deuel & Associates, Inc.'s letter dated April 8, 1991.
8. Koogler & Associates' letter dated December 11, 1991.
9. CFI's letter dated January 30, 1992.

PERMITTEE:
CF Industries, Inc.

Permit Number: AC 29-187327
Expiration Date: December 1, 1992

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
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. Nor 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 does not constitute 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, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall at all times 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

PERMITTEE:
CF Industries, Inc.

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GENERAL CONDITIONS:

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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring 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 notify and provide the Department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact 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 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

PERMITTEE:
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GENERAL CONDITIONS:

as evidence in any enforcement case arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes.

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 17-4.12 and 17-30.30, 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 is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.
- b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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;

PERMITTEE:
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GENERAL CONDITIONS:

- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

14. 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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

1. CF Industries, Inc.'s molten sulfur storage and handling system shall be allowed to operate continuously (8760 hours/year).
2. The maximum molten sulfur throughput rate shall neither exceed 2550 tons per day (TPD) average (for 365 days), nor 930,750 tons per year (TPY), based on the combined maximum permitted sulfuric acid production rate of 7800 TPD 100% sulfuric acid for Plants A, B, C, and D. The maximum daily input shall not exceed 2800 tons/day on any day and for not more than 10 days during the year at this rate as long as the annual throughput does not exceed 930,750 tons. A daily record shall be maintained showing the date, time, and amount of molten sulfur received by all trucks and railcars at this facility during the entire life of this facility.
3. Visible emissions (VE) shall not exceed 10% opacity from any source in the molten sulfur system.
4. The permittee shall employ procedures to minimize emissions, from the molten sulfur system pursuant to the applicable requirements of F.A.C. Rule 17-2.600(11)(a) [Molten Sulfur Storage and Handling Facilities]. The permittee shall also comply with other applicable provisions of F.A.C. Rules 17-2 and 17-4.
5. No objectionable odors shall be allowed, in accordance with F.A.C. Rule 17-2.620(2) [Objectionable Odor Prohibited].
6. Compliance tests for visible emissions shall be conducted at the higher rate of 2800 tpd, within 90 days of issuance of this permit in accordance with the July 1, 1988, version of 40 CFR 60, Appendix

PERMITTEE:
CF Industries, Inc.

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Expiration Date: December 1, 1992

SPECIFIC CONDITIONS:

A, using EPA Method 9. The permittee may make a request to the Department for a temporary increase in sulfuric acid production rate, if necessary. The visible emissions tests shall be conducted while both trucks and railcar (when in operation) are being unloaded simultaneously for at least 60 minutes or the time it takes to completely unload a truck or a railcar, whichever is greater along with visible emissions tests at both truck pits, and each vent at sulfur storage tank. The Environmental Protection Commission of Hillsborough County (EPCHC) office shall determine if there are any fugitive emissions being emitted during its railcar unloading operations. The minimum requirements for stack sampling facilities, source sampling, and reporting shall be in accordance with F.A.C. Rule 17-2.700 and 40 CFR 60, Appendix A. The EPCHC may require a retest annually if it deems necessary or at the time of permit renewal.

7. Any change in the method of operation, equipment or operating hours shall be submitted to the EPCHC office for approval.

8. For emission inventory and PSD purposes, the maximum emissions from the molten sulfur system, based on the Pennzoil study are:

Source		Expected Emissions			
		PM/PM ₁₀	SO ₂	TRS/H ₂ S	VOC
Tank	lb/hr	0.317	1.02	0.45	0.68
	TPY	0.408	1.36	0.68	0.90
Truck Pit (each)	lb/hr	0.11	0.11	0.11	0.11
	TPY	0.11	0.11	0.11	0.11

9. A minimum of 15 days prior written notification of the compliance tests shall be given to the EPCHC office. The compliance test results shall be submitted to the EPCHC office within 45 days of test completion.

10. 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 (BAR) prior to 60 days before the expiration of the permit (F.A.C. 17-4.090).

PERMITTEE:
CF Industries, Inc.

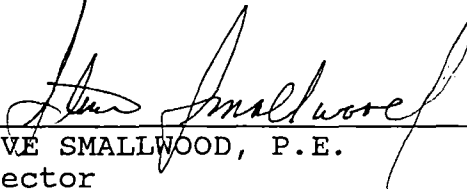
Permit Number: AC 29-187327
Expiration Date: December 1, 1992

SPECIFIC CONDITIONS:

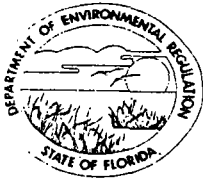
11. An application for an operation permit must be submitted to the EPCHC office at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit 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. 17-4.220).

Issued this 10th day
of April, 1992

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 *CF*
DATE: April 1, 1992
SUBJ: Approval of Construction Permit AC 29-187327
CF Industries, Inc.

Attached for your approval and signature is a permit prepared by the Bureau of Air Regulation for the above mentioned company to increase molten sulfur throughput and annual throughput.

No comments were received during the public notice period.

I recommend your approval and signature.

CF/MB/plm

Attachments

OK

OK GR 4/1

P 617 884 163



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

PS Form 3800, June 1990

Sent to	
Mr. J. E. Parsons, CF Ind.	
Street & No.	
P O Drawer L	
P.O., State & ZIP Code	
Plant City, FL 33564	
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: 4-13-92	
Permit: AC 29-187327	

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. J. E. Parsons, Gen Mgr.
CF Industries, Inc.
P. O. Drawer L
Plant City, FL 33564

4a. Article Number

P 617 884 163

4b. Service Type

- Registered Insured
 Certified COD
 Express Mail Return Receipt for Merchandise

7. Date of Delivery

5. Signature (Addressee)

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

6. Signature (Agent)

Paul Schell

