

P 702 177 479  
**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

PS Form 3800, June 1985

Sent to Mr. D. L. Meredith, FL Steel Corp.	
Street and No. P.O. Box 23328	
P.O. State and ZIP Code Tampa, FL 33623	
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: 8-12-88 Permit: AC 29-149720	

**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. D. L. Meredith Plant Manager Florida Steel Corporation 7105 6th Avenue P.O. Box 23328 Tampa, FL 33623	4. Article Number P 702 177 479 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 Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Addressee X <i>R. P. ...</i>	8. Addressee's Address (ONLY if requested and fee paid) Box 23328 33623
6. Signature - Agent X	
7. Date of Delivery	





File Copy

# Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

## STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PERMIT

Mr. D. L. Meredith  
Plant Manager  
Florida Steel Corporation  
7105 6th Avenue  
P. O. Box 23328  
Tampa, Florida 33623

August 10, 1988

Enclosed is permit No. AC 29-149720, for Florida Steel Corporation, to construct a dust storage silo and associated retractable dust loading spout. This project is located at Florida Steel Corporation's existing facility in Tampa, Hillsborough County, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

Any Party to this 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 permit is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

C. H. Fancy, P.E.  
Deputy Chief  
Bureau of Air Quality Management

Copy furnished to:

- B. Thomas, SW FL Dist.
- J. Campbell, HCEPC
- T. Sack, FSC
- R. Sholtes, Ph.D., P.E.
- B. Pittman, Esq., DER

Bruce  
Reading File 8-12-88

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on August 12, 1988.

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.

Martha J. Wise August 12, 1988  
Clerk Date

Final Determination

Florida Steel Corporation  
Hillsborough County  
Tampa, Florida

Construction Permit No. AC 29-149720

Florida Department of Environmental Regulation  
Bureau of Air Quality Management  
Central Air Permitting

August 4, 1988

## Final Determination

The construction permit application has been reviewed by the Department. Public Notice of the Department's Intent to Issue was published in The Tampa Tribune on July 15, 1988. The Technical Evaluation and Preliminary Determination were available for public inspection at the Hillsborough County Environmental Protection Commission office, the DER's Southwest Florida District office, and the DER's Bureau of Air Quality Management (BAQM) office.

A comment was received from Mr. Bill Thomas, with the BAQM, concerning the wording and intent of Specific Condition No. 7. Instead of attaching the construction permit (project) and its conditions to the operating permit, the suggestion was to incorporate the construction permit (project) and its conditions into the operating permit. Therefore, the following will be changed:

### Specific Conditions:

#### No. 7:

##### From:

This permit must be attached to the operating permit, No. AO 29-108747, and shall become a part of the permit.

##### To:

The construction permit (project) and its conditions, No. AC 29-149720, shall be incorporated into the operating permit, No. AO 29-108747, and shall become a part of the operating permit.

The Bureau will incorporate the change into the construction permit, No. AC 29-149720, as reflected above in the final determination. It is recommended that the construction permit, No. AC 29-149720, be issued as drafted, with the above revision incorporated.



## 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

### PERMITTEE:

Florida Steel Corp.  
Tampa Mill Division  
7105 6th Avenue  
P. O. Box 23328  
Tampa, Florida 33623

Permit Number: AC 29-149720  
Expiration Date: December 31, 1989  
County: Hillsborough  
Latitude/Longitude: 27° 57' 18"N  
82° 22' 34"W  
Project: Dust Storage Silo and  
Associated Retractable Loading Spout

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (FAC) Rules 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

For the construction/installation of a dust storage silo and an associated retractable loading spout to service the existing Nos. 2, 3, and 4 baghouse control systems. The control system for the dust storage silo and retractable loading spout will be the existing No. 2 baghouse. Dust will be conveyed from the baghouses into the silo via a pneumatic system using carrier air from a positive displacement blower rated at 320 cfm. The loading spout will gravity-feed the silo dust into trucks or rail-cars located inside a building through an inner tube, which is surrounded by a concentric outer tube, thus creating an annular area through which air is moved upward (with captured fugitive emissions created by the downcoming dust stream) by a blower rated at 1000 cfm.

The UTM coordinates are Zone 17, 364.63 km East and 3093.82 km North.

The Standard Industrial Codes are:

- o Industry No. 3312: Blast Furnaces, Steel Works and Rolling Mills.

The Standard Classification Codes are: Steel Foundry

- o Dust Storage Silo 3-04-007-99 (tons processed)
- o Loading Spout-fugitives 3-04-888-01 (tons product)

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

ATTACHMENTS

AC 29-149720

Attachments to be Incorporated:

1. Mr. T. J. Sack's cover letter and application to construct air pollution source, DER Form 17-1.202(1), received May 13, 1988.
2. Mr. T. J. Sack's letter dated June 1, 1988, and received by HCEPC on June 6, 1988.

**PERMITTEE:**  
Florida Steel Corp.

**Permit Number:** AC 29-149720  
**Expiration Date:** December 31, 1989

**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 therefore 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.



PERMITTEE:  
Florida Steel Corp.

Permit Number: AC 29-149720  
Expiration Date: December 31, 1989

**GENERAL CONDITIONS:**

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 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 noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Steel Corp.

Permit Number: AC 29-149720  
Expiration Date: December 31, 1989

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 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 arising under the Florida Statutes or Department rules, except where such use is proscribed 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 noncompliance 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. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BACT)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Compliance with New Source Performance Standards

14. 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.

PERMITTEE:  
Florida Steel Corp.

Permit Number: AC 29-149720  
Expiration Date: December 31, 1989

**GENERAL CONDITIONS:**

- 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;
  - 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.

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 submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. Permitted annual hours of operation are 8760.
2. The maximum fill rate of the dust storage silo is 2,643 lbs/hr.
3. The maximum loading rate of the retractable dust loading spout is 540,000 lbs/hr.

PERMITTEE:  
Florida Steel Corp.

Permit Number: AC 29-149720  
Expiration Date: December 31, 1989

**SPECIFIC CONDITIONS:**

4. For nonattainment review purposes pursuant to FAC Rule 17-2.510, there will not be any potential and allowable particulate matter (PM) emission assigned to the dust storage silo and associated loading spout. Pursuant to operating permit, No. AO 29-108747, the allowable mass PM emissions will not be increased.

5. Any request to increase the PM allowable mass emissions (i.e., lbs/hr, TPY) related to the dust storage silo and associated loading spout, pursuant to operating permit No. AO 29-108747 and this permit, will require a permit application for a modification and the appropriate processing fee.

6. For the No. 2 baghouse control system servicing the dust storage silo and associated dust loading spout and based on the permittee's request, the emission limiting standards shall be in accordance with FAC Rule 17-2.650(2)(c)7.b.(ii).

7. The construction permit (project) and its conditions, No. AC 29-149720, shall be incorporated into the operating permit, No. AO 29-108747, and shall become a part of the operating permit.

8. Compliance tests shall be conducted on the No. 2 baghouse control system with all of its associated sources operating at a minimum of 90% of their maximum permitted rates using the following test methods pursuant to FAC Rule 17-2.700:

- a) EPA Method 5 - Determination of Particulate Emissions from Stationary Sources
- b) EPA Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources

9. Any change in the method of operation, raw materials and chemicals processed, equipment, or operating hours pursuant to FAC Rule 17-2.100(118), Modification, shall be submitted for approval to the DER's Bureau of Air Quality Management office, DER's Southwest District office, and the Hillsborough County Environmental Protection Commission office.

10. Objectionable odors shall not be allowed off plant property pursuant to FAC Rule 17-2.620(2).

11. The project shall comply with all applicable provisions of FAC Rules 17-2 and 17-4.

PERMITTEE:  
Florida Steel Corp.

Permit Number: AC 29-149720  
Expiration Date: December 31, 1989

**SPECIFIC CONDITIONS:**

12. The dust storage silo and associated dust loading spout are subject to the provisions of FAC Rules 17-2.240: Circumvention; 17-2.250: Excess Emissions; 17-4.130: Plant Operation-Problems; and, 17-4.140: Reports.

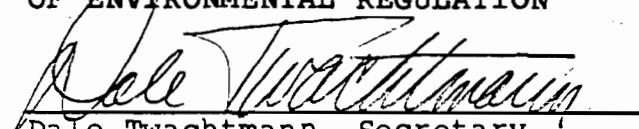
13. The DER's Southwest District office and HCEPC office shall be notified in writing 15 days prior to compliance testing and the reports are to be submitted to these offices 45 days after the last test run is completed.

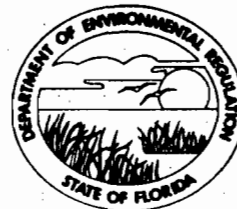
14. The permittee must demonstrate compliance with the conditions of the construction permit and submit the compliance test results and the Certificate of Completion to the DER's Southwest District office and the HCEPC office 90 days prior to the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit in accordance with FAC Rules 17-2 and 17-4.

If the construction permit expires, then all activities at the project must cease and the permittee must apply for a new permit to construct pursuant to FAC Rule 17-4.

Issued this 5 day of August,  
1988.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
Dale Twachtmann, Secretary



# Interoffice Memorandum

TO: Dale Twachtmann

FROM: Steve Smallwood *JS*

SUBJ: Approval of Construction Permit No. AC 29-149720  
Florida Steel Corporation-Tampa Mill Division

DATE: August 4, 1988

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

Attached for your approval and signature is a permit prepared by Central Air Permitting for the above mentioned company to construct a dust storage silo and associated retractable dust loading spout at its existing facility located in Tampa, Hillsborough County, Florida.

A comment was received during the public notice period.

Day 90, after which this permit will be issued by default, is September 18, 1988.

I recommend your approval and signature.

SS/aqm/bm

attachments

**RECEIVED**  
AUG 5 1988  
Office of the Secretary

Check Sheet

→ P 5/20

Company Name: *F1 Steel Corp*  
Permit Number: *AC 29-149720*  
PSD Number:  
County:  
Permit Engineer:  
Others involved:

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

Post Permit Correspondence:

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

Fed. Exp. 7-20-88  
# 457 930 715 4

*file copy*

Phone 813/251-8811

**FLORIDA STEEL  
CORPORATION**

"Steel when you want it"



**TAMPA STEEL MILL DIVISION**

7105 6TH AVENUE • P.O. BOX 23328 TAMPA, FL 33630

**RECEIVED**

JUL 21 1988

DER-BAQM

July 20, 1988

Mr. Bill Thomas  
State of Florida  
Department of Environmental Regulation  
Bureau of Air Quality Management  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Subject: Proof of Publication of intent to issue permit for dust silo  
and loading spout. DER File No. AC 29-149720

Dear Bill,

Please find enclosed the original affidavit from the Tampa Tribune  
stating that the legal notice, regarding the above, was in the Friday,  
7/15/88 edition of the Tampa Tribune. Please accept this as proof of  
publication.

Please do not hesitate to call if you have any questions.

cc:DM  
LN  
R. Shaw  
R. Scholtes

Thomas J. Sack

Division Engineer

*copied; Bruce Mitchell  
B. Thomas, SW Dist  
G. Campbell, HCEPC*



FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE.

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DATE

7-30-88

AIRBILL NUMBER

4579307154

From (Your Name)

Jac Kozline

Your Phone Number (Very Important)

( )

To (Recipient's Name)

Mr. Bill Thomas

Recipient's Phone Number (Very Important)

( )

Company

FLORIDA STEEL CORP

Department/Floor No.

Company

Florida S.E.R.-B.A.Q.M.

Department/Floor No.

Street Address

7105 6TH AVE

Exact Street Address (Use of P.O. Boxes or P.O. Zip Codes Will Delay Delivery And Result in Extra Charge.)

2600 Blue Stone Rd

City

TAMPA

State

FL

ZIP Required For Correct Invoicing

33619

City

Tallahassee Fla

State

FL

ZIP Street Address/Zip Required

32301

YOUR BILLING REFERENCE INFORMATION (FIRST 24 CHARACTERS WILL APPEAR ON INVOICE.)

HOLD FOR PICK-UP AT THIS FEDERAL EXPRESS LOCATION:

Street Address (See Service Guide or Call 800-238-5355).

Federal Express Use

Base Charges

PAYMENT

Bill Sender  Bill Recipient's FedEx Acct. No.  Bill 3rd Party FedEx Acct. No.  Bill Credit Card

Cash

City

State

Declared Value Charge

SERVICES CHECK ONLY ONE BOX

DELIVERY AND SPECIAL HANDLING CHECK SERVICES REQUIRED

PACKAGES WEIGHT YOUR DECLARED VALUE OVER SIZE

PRIORITY 1 Overnight Delivery Using Your Packaging (9 1/2" x 12 1/2") OVERNIGHT DELIVERY USING OUR PACKAGING 2 Courier-Pak Overnight Envelope\* 12" x 15 1/2" 3 Overnight Box 12 1/2" x 17 1/2" x 3" A 4 Overnight Tube 36" x 6" x 6" B \*Declared Value Limit \$100. STANDARD AIR Delivery not later than second business day SERVICE COMMITMENT PRIORITY 1 - Delivery is scheduled early next business morning in most locations. It may take two or more business days if the destination is outside our primary service areas. STANDARD AIR - Delivery is generally next business day or not later than second business day. It may take three or more business days if the destination is outside our primary service areas.

1 HOLD FOR PICK-UP (Fill in Section H at right) 2 DELIVER WEEKDAY 3 DELIVER SATURDAY (Extra charge) 4 DANGEROUS GOODS (P-1 and Standard Air Packages only. Extra charge) 5 CONSTANT SURVEILLANCE SERVICE (CSS) (Extra charge) (Do Not Complete Section 5) 6 DRY ICE Lbs. 7 OTHER SPECIAL SERVICE 8 9 SATURDAY PICK-UP (Extra charge) 10

PACKAGES	WEIGHT	YOUR DECLARED VALUE	OVER SIZE
	LBS		
	LBS		
	LBS		
	LBS		
Total	Total	Total	

Received At 1 Regular Stop 2 On-Call Stop 3 Drop Box 4 B.S.C. 5 Station Federal Express Corp. Employee No. 3-14

ZIP Zip Code of Street Address Required

Emp. No. Date

Cash Received

Return Shipment

Third Party  Chg. To Del. C.  Chg. To Hold. C.

Street Address

City State Zip

Received By: X

Date/Time Received FedEx Employee Number

Origin Agent Charge

Total Charges

Other

Total Charges

Sender authorizes Federal Express to deliver this shipment without obtaining a delivery signature and shall indemnify and hold harmless Federal Express from any claims resulting therefrom. Release Signature: Jac Kozline

Date/Time For Federal Express Use 11:20 AM

PART #106001 FEC-S-751-1000 REVISION DATE 10/86 PRINTED U.S.A. SRCE

RECIPIENT'S COPY

**THE TAMPA TRIBUNE**  
 Published Daily  
 Tampa, Hillsborough County, Florida

State of Florida }  
 County of Hillsborough } ss.

Before the undersigned authority personally appeared  
 G. T. Gleason, who on oath says that he is Controller of The Tampa Tribune, a daily  
 newspaper published at Tampa in Hillsborough County, Florida; that the attached copy  
 of advertisement being a

LEGAL NOTICE

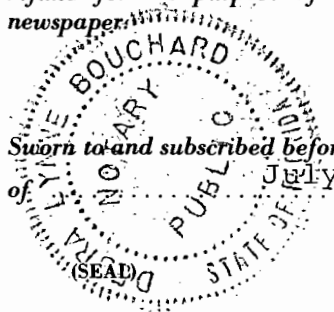
NOTICE OF INTENT

in the matter of

was published in said newspaper in the issues of

July 15, 1988

Affiant further says that the said The Tampa Tribune is a newspaper published at  
 Tampa, in said Hillsborough County, Florida, and that the said newspaper has  
 heretofore been continuously published in said Hillsborough County, Florida, each day  
 and has been entered as second class mail matter at the post office in Tampa, in said  
 Hillsborough County, Florida, for a period of one year next preceding the first publica-  
 tion of the attached copy of advertisement; and affiant 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.



*G. T. Gleason*

Sworn to and subscribed before me, this 15th day

A.D. 1988

*Robert Bouchard*

Notary Public, State of Florida  
 My Commission Expires Jan. 6, 1989  
 Bonded Thru Troy Fain - Insurance, Inc.

State of Florida  
 Department of  
 Environmental Regulation  
 Notice of Intent

The Department of Environ-  
 mental Regulation hereby  
 gives notice of its intent to  
 issue a permit to Florida Steel  
 Corporation to construct a  
 dust storage silo and associat-  
 ed retractable dust loading  
 spout at its existing facility lo-  
 cated in Tampa, Hillsborough  
 County, Florida.

The Department is issuing  
 this intent to issue for the rea-  
 sons stated in the Technical  
 Evaluation and Preliminary  
 Determination.

Persons whose substantial  
 interests are affected by the  
 Department's proposed per-  
 mitting decision may petition  
 for an administrative determi-  
 nation (hearing) in accordance  
 with Section 120.57, Florida  
 Statutes. The petition must  
 conform to the requirements  
 of Chapters 17-103 and 28-5,  
 Florida Administrative Code,  
 and must be filed (received) in  
 the Department's Office of  
 General Counsel 2600 Blair  
 Stone Road, Twin Towers Of-  
 fice Building, Tallahassee, Flor-  
 ida 32399-2400, within  
 fourteen (14) days of publica-  
 tion of this notice. Failure to  
 file a petition within this time  
 period constitutes a waiver of  
 any right-such person has to  
 request an administrative de-  
 termination (hearing) under  
 Section 120.57, Florida Stat-  
 utes.

If a petition is filed, the ad-  
 ministrative hearing process  
 is designed to formulate agen-  
 cy action. Accordingly, the  
 Department's final action may  
 be different from the pro-  
 posed agency action. There-  
 fore, persons who may not  
 wish to file a petition may  
 wish to intervene in the pro-  
 ceeding. A petition for inter-  
 vention must be filed pursuant  
 to Rule 28-5.207, Florida Ad-  
 ministrative Code, at least five  
 (5) days before the final hear-  
 ing and be filed with the hear-  
 ing officer if one has been as-  
 signed at the Division of Ad-  
 ministrative Hearings, Depart-  
 ment of Administration, 2009  
 Apalachee Parkway, Tallahas-  
 see, Florida 32301. If no hear-  
 ing officer has been assigned,  
 the petition is to be filed with  
 the Department's Office of  
 General Counsel, 2600 Blair  
 Stone Road, Tallahassee, Flor-  
 ida 32399-2400. Failure to  
 petition to intervene within

the allowed time frame  
 constitutes a waiver of any  
 right such person has to re-  
 quest a hearing under Section  
 120.57, Florida Statutes.

The application is available  
 for public inspection during  
 normal business hours, 8:00  
 a.m. to 5:00 p.m., Monday  
 through Friday, except legal  
 holidays, at:

Dept. of Environmental  
 Regulation  
 Bureau of Air Quality  
 Management  
 2600 Blair Stone Road  
 Tallahassee, Florida  
 32399-2400

Dept. of Environmental  
 Regulation  
 Southwest District  
 4520 Oak Fair Blvd.  
 Tampa, Florida 33610-7347

Hillsborough County  
 Environmental Protection  
 Commission  
 1410 North 21st Street  
 Tampa, Florida 33605

Any person may send writ-  
 ten comments on the pro-  
 posed action to Mr. Bill Thom-  
 as at the Department's Talla-  
 hassee address. All comments  
 mailed within 14 days of the  
 publication of this notice will  
 be considered in the Depart-  
 ment's final determination.

5055 7/15/88

P 702 175 473  
**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

PS Form 3800, June 1985

Sent to Mr. D. L. Meredith, Florida	
Street and No. P. O. Box 23328 Steel Corp.	
P.O., State and ZIP Code Tampa, FL 33623	
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: 7-7-88 Permit: AC 29-149720	

**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. D. L. Meredith Plant Manager Florida Steel Corp. 7105 6th Ave, P.O. Box 23328 Tampa, FL 33623	4. Article Number P 702 175 473 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
5. Signature - Addressee X	Always obtain signature of addressee or agent and <b>DATE DELIVERED.</b>
6. Signature - Agent X <i>R. P. ...</i>	8. Addressee's Address (ONLY if requested and fee paid)
7. Date of Delivery	

File Copy



# Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

July 7, 1988

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. D. L. Meredith  
Plant Manager  
Florida Steel Corp.  
7105 6th Avenue  
P. O. Box 23328  
Tampa, Florida 33623

Dear Mr. Meredith:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit for Florida Steel Corporation to construct a dust storage silo and associated retractable dust loading spout. The project will occur at the applicant's existing facility located in Hillsborough County, Florida.

Please submit, in writing, any comments which you wish to have considered concerning the Department's proposed action to Mr. Bill Thomas of the Bureau of Air Quality Management.

Sincerely,

C. H. Fancy, P.E.  
Deputy Chief  
Bureau of Air Quality  
Management

CHF/bm

Attachments

cc: B. Thomas, SW Florida District  
J. Campbell, HCEPC  
T. Sack, FSC  
R. Sholtes, Ph.D., P.E.  
B. Pittman, Esq., DER

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of  
Application for Permit by:

Florida Steel Corporation  
P. O. Box 23328  
Tampa, Florida 33623

---

DER File No. AC 29-149720

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 applications 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 Steel Corporation, applied on May 13, 1988, to the Department of Environmental Regulation for a permit to construct a dust storage silo and associated retractable dust loading spout. The project will occur at the applicant's existing facility located in Hillsborough 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 was needed for the proposed work.

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, FAC, you (the applicant) are required to publish at your own expense the enclosed Notice of Proposed Agency Action on permit applications. The notice must be published one time only in a section of a major local newspaper of general circulation in the county in which the project is located and within thirty (30) days from receipt of this intent. Proof of publication must be provided to the Department within seven days of publication of the notice. 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 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. Petitions must comply with the requirement of Florida Administrative Code Rules 17-103.155 and 28-5.201 (copy enclosed) and be filed with (received by) the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant must be filed within fourteen (14) days of receipt of this intent. Petitions filed by other persons must be filed within fourteen (14) days of publication of the public notice or within fourteen (14) days of receipt of this intent, whichever first occurs. 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, concerning the subject permit application. Petitions which are not filed in accordance with the above provisions will be dismissed.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION



---

C. H. Fancy, P.E.  
Deputy Chief  
Bureau of Air Quality  
Management

Copies furnished to:

B. Thomas, SW FL District  
J. Campbell, HCEPC  
T. Sack, FSC  
R. Sholtes, Ph.D., P.E.  
B. Pittman, Esq., DER

State of Florida  
Department of Environmental Regulation  
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Florida Steel Corporation to construct a dust storage silo and associated retractable dust loading spout at its existing facility located in Tampa, Hillsborough County, Florida.

The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

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 proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Dept. of Environmental Regulation  
Bureau of Air Quality Management  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Dept. of Environmental Regulation  
Southwest District  
4520 Oak Fair Blvd.  
Tampa, Florida 33610-7347

Hillsborough County Environmental  
Protection Commission  
1410 North 21st Street  
Tampa, Florida 33605

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



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 7-7-88.

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.

Martha J. Wise      7-7-88  
Clerk                              Date

RULES OF THE ADMINISTRATIVE COMMISSION  
MODEL RULES OF PROCEDURE  
CHAPTER 28-5  
DECISIONS DETERMINING SUBSTANTIAL INTERESTS

28-5.15 Requests for Formal and Informal Proceedings

- (1) Requests for proceedings shall be made by petition to the agency involved. Each petition shall be printed, typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double spaced and indented.
- (2) All petitions filed under these rules should contain:
  - (a) The name and address of each agency affected and each agency's file or identification number, if known;
  - (b) The name and address of the petitioner or petitioners;
  - (c) All disputed issues of material fact. If there are none, the petition must so indicate;
  - (d) A concise statement of the ultimate facts alleged, and the rules, regulations and constitutional provisions which entitle the petitioner to relief;
  - (e) A statement summarizing any informal action taken to resolve the issues, and the results of that action;
  - (f) A demand for the relief to which the petitioner deems himself entitled; and
  - (g) Such other information which the petitioner contends is material.

Technical Evaluation  
and  
Preliminary Determination

Florida Steel Corporation  
Hillsborough County  
Tampa, Florida

Construction Permit No. AC 29-149720

Florida Department of Environmental Regulation  
Bureau of Air Quality Management  
Central Air Permitting

July 7, 1988

## I. Application

### A. Applicant

Florida Steel Corporation  
Tampa Mill Division  
P. O. Box 23328  
Tampa, Florida 33623

### B. Project and Location

The applicant intends to install a new dust storage silo and associated retractable dust loading spout to serve three existing baghouse control systems (Nos. 2-4), which collect dust from the arc furnace operations. During operations, the displaced silo and loading spout air will be exhausted to the inlet of the existing No. 2 baghouse control system.

The project will occur at the applicant's existing facility located in Hillsborough County, Florida. The UTM coordinates are Zone 17, 364.63 km East and 3093.82 km North.

### C. Process and Controls

The collected electric arc furnace dust will be pneumatically conveyed and stored in the proposed new storage silo until it is loaded into either trucks or rail-car for shipment. The dust will be gravity fed into the trucks and rail-cars inside a building through a retractable loading spout, which is designed to control fugitive particulate matter (PM) emissions.

Since the existing No. 2 baghouse control system receives the exhausts from the proposed new storage silo and from the truck/rail-car loading spout, any changes in pollutant emissions will occur in the No. 2 baghouse control system. Due to the design displacement flow rates from the silo (320 cfm) and the truck/rail-car loading spout (1000 cfm), their effect on the No. 2 baghouse control system's flow rate (approximately 91,000 cfm) will be minimal.

The Standard Industrial Codes are:

- o Industry No. 3312: Blast Furnaces, Steel Works, and Rolling Mills

The Standard Classification Codes are: Steel Foundry

- o Dust Storage Silo 3-04-007-99 (tons processed)
- o Loading Spout-fugitives 3-04-888-01 (tons product)

## II. Rule Applicability

The project is subject to preconstruction review in accordance with Chapter 403, Florida Statutes, and Florida Administrative Code (FAC) Rules 17-2 and 17-4.

The application package was deemed complete on May 13, 1988.

The existing facility is located in an area designated nonattainment for the pollutant particulate matter (PM) in accordance with FAC Rule 17-2.410(a)1.

Since the applicant did not request an increase in the allowable PM emissions associated with the existing baghouse control system (No. 2), there will not be any contemporaneous potential emission increase in PM. Therefore, the project is subject to review pursuant to FAC Rule 17-2.520, Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements.

The existing No. 2 baghouse control system is subject to RACT standards pursuant to FAC Rule 17-2.650(2)(c)7., as contained in operating permit No. AO 29-108747. The construction of the new dust storage silo and associated dust loading spout will not change the applicable standards contained in FAC Rule 17-2.650(2)(c)7.

The retractable dust loading spout for loading into trucks and rail-cars is subject to FAC Rule 17-2.650(2)(c)11. Since the existing No. 2 baghouse control system will be used to control fugitive PM emissions from this loading operation, the more stringent emission limiting standards pursuant to FAC Rules 17-2.650(2)(c)7 and 17-2.650(2)(c)11 will be imposed during operations. Therefore, and as requested by the applicant, FAC Rule 17-2.650(2)(c)7 will be imposed for all operations that are controlled by the existing No. 2 baghouse control system.

## III. Summary of Emissions

### A. Emission Limitations

Since there was not a request for any PM allowable emissions for the new dust storage silo and associated dust loading spout, then none will be assigned. Therefore, the operating permit, No. AO 29-108747, will be used to regulate PM and visible emissions (FAC Rule 17-2.650(2)(c)7) from the existing No. 2 baghouse control system.

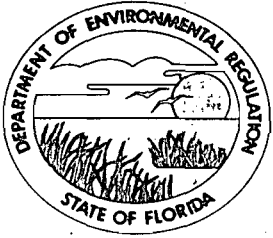
### B. Air Quality Analysis

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

#### IV. Conclusion

The emission limitations to be imposed have been determined to be in compliance with all applicable requirements of FAC Rule 17-2 and what was requested by the applicant. This permit must be attached to the operating permit, No. AO 29-108747, and will become a part of the permit.

The General and Specific Conditions listed in the proposed permit (attached) will assure compliance with all applicable air pollution regulations.



# 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

**PERMITTEE:**  
Florida Steel Corp.  
Tampa Mill Division  
7105 6th Avenue  
P. O. Box 23328  
Tampa, Florida 33623

**Permit Number:** AC 29-149720  
**Expiration Date:** December 31, 1989  
**County:** Hillsborough  
**Latitude/Longitude:** 27° 57' 18"N  
82° 22' 34"W  
**Project:** Dust Storage Silo and  
Associated Retractable Loading Spout

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (FAC) Rules 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

For the construction/installation of a dust storage silo and an associated retractable loading spout to service the existing Nos. 2, 3, and 4 baghouse control systems. The control system for the dust storage silo and retractable loading spout will be the existing No. 2 baghouse. Dust will be conveyed from the baghouses into the silo via a pneumatic system using carrier air from a positive displacement blower rated at 320 cfm. The loading spout will gravity-feed the silo dust into trucks or rail-cars located inside a building through an inner tube, which is surrounded by a concentric outer tube, thus creating an annular area through which air is moved upward (with captured fugitive emissions created by the downcoming dust stream) by a blower rated at 1000 cfm.

The UTM coordinates are Zone 17, 364.63 km East and 3093.82 km North.

The Standard Industrial Codes are:

- o Industry No. 3312: Blast Furnaces, Steel Works and Rolling Mills.

The Standard Classification Codes are: Steel Foundry

- o Dust Storage Silo 3-04-007-99 (tons processed)
- o Loading Spout-fugitives 3-04-888-01 (tons product)

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

ATTACHMENTS

AC 29-149720

Attachments to be Incorporated:

1. Mr. T. J. Sack's cover letter and application to construct air pollution source, DER Form 17-1.202(1), received May 13, 1988.
2. Mr. T. J. Sack's letter dated June 1, 1988, and received by HCEPC on June 6, 1988.



PERMITTEE:  
Florida Steel Corp.

Permit Number: AC 29-149720  
Expiration Date: December 31, 1989

**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 therefore 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.

PERMITTEE:  
Florida Steel Corp.

Permit Number: AC 29-149720  
Expiration Date: December 31, 1989

**GENERAL CONDITIONS:**

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 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 noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:  
Florida Steel Corp.

Permit Number: AC 29-149720  
Expiration Date: December 31, 1989

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 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 arising under the Florida Statutes or Department rules, except where such use is proscribed 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 noncompliance 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. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BACT)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Compliance with New Source Performance Standards

14. 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.

**PERMITTEE:**  
Florida Steel Corp.

**Permit Number:** AC 29-149720  
**Expiration Date:** December 31, 1989

**GENERAL CONDITIONS:**

- 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;
  - 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.

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 submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. Permitted annual hours of operation are 8760.
2. The maximum fill rate of the dust storage silo is 2,643 lbs/hr.
3. The maximum loading rate of the retractable dust loading spout is 540,000 lbs/hr.

PERMITTEE:  
Florida Steel Corp.

Permit Number: AC 29-149720  
Expiration Date: December 31, 1989

**SPECIFIC CONDITIONS:**

4. For nonattainment review purposes pursuant to FAC Rule 17-2.510, there will not be any potential and allowable particulate matter (PM) emission assigned to the dust storage silo and associated loading spout. Pursuant to operating permit, No. AO 29-108747, the allowable mass PM emissions will not be increased.

5. Any request to increase the PM allowable mass emissions (i.e., lbs/hr, TPY) related to the dust storage silo and associated loading spout, pursuant to operating permit No. AO 29-108747 and this permit, will require a permit application for a modification and the appropriate processing fee.

6. For the No. 2 baghouse control system servicing the dust storage silo and associated dust loading spout and based on the permittee's request, the emission limiting standards shall be in accordance with FAC Rule 17-2.650(2)(c)7.b.(ii).

7. This permit must be attached to the operating permit, No. AC 29-108747, and shall become a part of the permit.

8. Compliance tests shall be conducted on the No. 2 baghouse control system with all of its associated sources operating at a minimum of 90% of their maximum permitted rates using the following test methods pursuant to FAC Rule 17-2.700:

a) EPA Method 5 - Determination of Particulate Emissions from Stationary Sources

b) EPA Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources

9. Any change in the method of operation, raw materials and chemicals processed, equipment, or operating hours pursuant to FAC Rule 17-2.100(118), Modification, shall be submitted for approval to the DER's Bureau of Air Quality Management office, DER's Southwest District office, and the Hillsborough County Environmental Protection Commission office.

10. Objectionable odors shall not be allowed off plant property pursuant to FAC Rule 17-2.620(2).

11. The project shall comply with all applicable provisions of FAC Rules 17-2 and 17-4.

PERMITTEE:  
Florida Steel Corp.

Permit Number: AC 29-149720  
Expiration Date: December 31, 1989

**SPECIFIC CONDITIONS:**

12. The dust storage silo and associated dust loading spout are subject to the provisions of FAC Rules 17-2.240: Circumvention; 17-2.250: Excess Emissions; 17-4.130: Plant Operation-Problems; and, 17-4.140: Reports.

13. The DER's Southwest District office and HCEPC office shall be notified in writing 15 days prior to compliance testing and the reports are to be submitted to these offices 45 days after the last test run is completed.

14. The permittee must demonstrate compliance with the conditions of the construction permit and submit the compliance test results and the Certificate of Completion to the DER's Southwest District office and the HCEPC office 90 days prior to the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit in accordance with FAC Rules 17-2 and 17-4.

If the construction permit expires, then all activities at the project must cease and the permittee must apply for a new permit to construct pursuant to FAC Rule 17-4.

Issued this \_\_\_\_\_ day of \_\_\_\_\_,  
1988.

**STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION**

---

Dale Twachtman, Secretary

File Copy

Jc

PM  
6-2-88  
Tampa, FL

Phone 813/621-3511



Steel when you want it.

RECEIVED TAMPA STEEL MILL DIVISION  
105 6TH AVENUE • P. O. BOX 23328 • TAMPA, FL 33630

JUN 9 1988

RECEIVED

June 1, 1988

DER-BAQM

JUN 6 1988

E.P.C. OF H.C.  
AIR PROGRAM

Mr. Victor San Agustin  
Hillsborough County  
Environmental Protection Commission  
1410 North 21st Street  
Tampa, Florida 33605

Subject: Additional Information for the Dust Handling Equipment Permit Application

Dear Victor:

As you requested on 6/01/88, the following information is provided:

The maximum fill rate of the silo is estimated to be 2,643 lbs/Hr. and is based on three compartments cleaning simultaneously.

The silo unloading rate is 540,000 lbs/hr. and is based on data from the loading spout manufacturer.

Please do not hesitate to call if you have any questions.

Sincerely,

FLORIDA STEEL CORPORATION

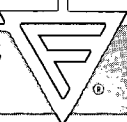
T. J. Sack  
Division Engineer

cc: D. Meredith  
L. Nieves  
R. Scholtes

D. Mitchell 6-9-88 ARM

**FLORIDA STEEL CORPORATION**

"Steel when you want it"



**TAMPA STEEL MILL DIVISION**

7105 6TH AVENUE • P. O. BOX 23328 • TAMPA, FL 33630

May 10, 1988

Mr. Bill Thomas  
Bureau of Air Quality Management  
Florida Department of Environmental Regulation  
2600 Blairstone Road, Twin Towers  
Tallahassee, Florida 32301

Subject: Application to Modify Air Pollution Source  
at Florida Steel Corporation's Tampa Mill  
Division, Tampa Florida

Dear Bill:

Please find enclosed an application for replacing a portion of the dust handling equipment at the Tampa Mill. Enclosed is a check for the application fee in the amount of \$100.00.

Do not hesitate to call if you have any questions - 813-251-8811, ext. 466.

Sincerely,

**FLORIDA STEEL CORPORATION**

T. H. Sack  
Division Engineer

vb

enclosure

cc: Victor San Augustin - H.C.E.P.C.  
R. Sholtes  
L. Neives  
D. Meredith

Copied: Bruce Mitchell }  
Bill Thomas - SW Dist. } 5.19.88

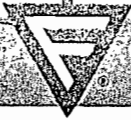
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DER - MAIL ROOM  
1988 MAY 13 AM 11:10



**FLORIDA STEEL CORPORATION**

"Steel when you want it"



**TAMPA STEEL MILL DIVISION**

7105 6TH AVENUE • P. O. BOX 23328 • TAMPA, FL 33630

May 10, 1988

Mr. Victor San Augustin  
Hillsborough County Environmental Protection  
Commission  
1410 North 21st Street  
Tampa, Florida 33605

Subject: Application to Modify Air Pollution Source  
at Florida Steel Corporation's Tampa Mill  
Division, Tampa, Florida

Dear Victor:

Please find enclosed a copy of the application being sent to the D.E.R.. This application is for replacing a portion of the dust handling equipment at the Tampa Mill. Enclosed is a check for the application fee in the amount of \$365.00.

Please do not hesitate to call if you have any questions.- 813-251-8811  
Ext. 466.

Sincerely,

**FLORIDA STEEL CORPORATION**

T. J. Sack  
Division Engineer

vb

enclosure

cc: Bill Thomas - DER ✓  
R. Sholtes  
L. Neives  
D. Meredith

**RECEIVED**

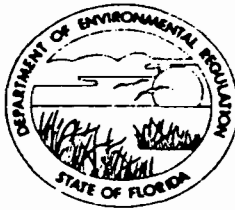
**MAY 13 1988**

**DER-BAQM**

Copied: Bruce Mitchell } 5.19.88  
Bill Thomas - SW Dist. }

① = site loady rates  
= trucks }  
= rail }      ② = mass breakdown  
of the pollutants

## DEPARTMENT OF ENVIRONMENTAL REGULATION



Receipt # 117552  
\$100.00  
29-149720

RECEIVED  
DER - MAIL ROOM  
1988 MAY 13 AM 11:10

## APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Dust Handling Equipment [ ] New<sup>1</sup> [ ] Existing<sup>1</sup> (X) REPLACEMENT

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

COMPANY NAME: Florida Steel Corporation COUNTY: HillsboroughIdentify 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) Dust Handling Equip.SOURCE LOCATION: Street 7105 6th Avenue City TampaUTM: East 364.63 km North 3093.82 kmLatitude 27° 57' 18" N Longitude 82° 22' 34" WAPPLICANT NAME AND TITLE: Dane L. Meredith, Plant ManagerAPPLICANT ADDRESS: Florida Steel Corporation, Tampa Mill Division, P.O. Box 23328  
Tampa, FL 33623

## SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

## A. APPLICANT

I am the undersigned owner or authorized representative\* of Florida Steel Corp.

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: Dane L. Meredith

D.L. Meredith, Plant Manager  
Name and Title (Please Type)

Date: 5/9/88 Telephone No. (813) 251-8811

## 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

<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 Robert S. Sholtes

Robert S. Sholtes, Ph.D., P.E.  
Name (Please Type)

Robert S. Sholtes, P.A.  
Company Name (Please Type)

1213 N.W. 6th St., Gainesville, FL 32601  
Mailing Address (Please Type)

Florida Registration No. 7601 Date: 5-5-88 Telephone No. (904) 374-4439

**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 description on Page 2a

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.)

\$270,000

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

This system is designed to receive the dust collected by three permitted baghouses. Their permit Nos. are A029-108748, A029-91418 and A029-108747.

## Section II: General Project Information

### A. Description of the Project.

Prior to 1986, the Florida Steel Corporation's Tampa Mill handled the arc furnace dust collected at the four on-site baghouses through a large storage silo which accumulated this material prior to shipment to an off-site facility. In 1986, Florida Steel Corporation applied for and received a FDER Construction Permit AC117627 for the purpose of constructing a new experimental dust reclamation process. After approximately two years of effort, the experimental reclamation process, as built in Tampa, has had limited success. The equipment, as originally designed, was not entirely suitable for the process. Therefore, the reclamation process has been permanently deactivated necessitating that Florida Steel return to the pre-1986 dust handling system. Through this application, the company seeks to accomplish that objective by replacing the original silo (it was significantly modified for use in the dust reclamation project) with completely new equipment, which will significantly improve the efficiency of dust handling as compared to the pre-1986 silo dust handling operation. A schematic diagram of the proposed installation is attached.

Notwithstanding the submission of this permit application, the applicant and the Engineer of Record hereby express some uncertainty in submitting this application in that the situation does not conform to the usual permitting scenario. The proposed dust silo is a replacement for a similar unit and will not have an identifiable emission point unique to the silo operation. Furthermore, there will be an expected reduction in total fugitive particulate emissions from the facility when this equipment is placed into operation.

The proposed dust silo will be a 15-foot diameter unit erected upon the same foundations once used for the previous silo. Collected dust from baghouses 2, 3 and 4 will be conveyed to this silo for off-site shipment. Dust is conveyed from the baghouses into the silo via a pneumatic system using carrier air from a positive displacement blower rated at 320 cfm. This air will be exhausted from the silo to the inlet of the No. 2 baghouse fan. (The pre-1986 silo vented this air to the atmosphere through a small dedicated cloth filter.)

At the time of dust shipment (2-3 time per week for trucks or once every 1-1/2 weeks for railcars), the material will be gravity loaded into trucks or rail cars located inside a building through a retractable loading spout designed to control fugitive emissions. This loading spout consists of an inner tube through which the dust travels downward by gravity. This inner tube is surrounded by a concentric outer tube thus creating an annular area through which air is moved upward with the captured fugitive emissions created by the downcoming dust stream by a blower rated at 1000 cfm. The fugitive emissions captured during a loading operation are routed to the silo tank where they are exhausted along with the pneumatic carrier air to the No. 2 baghouse blower inlet. Thus, the fugitive emissions during loading operations will be conveyed to the existing No. 2 baghouse inlet. The air flow from the silo to the baghouse will at most times be the 320 cfm of carrier air supplemented

at infrequent intervals by the 1000 cfm air associated with the fugitive emission control at the truck loading spout. The design flow rate of baghouse No. 2 is approximately 91,000 cfm which will not appreciably change as a result of the proposed installation.

Currently, the No. 2 baghouse serves the building evacuation system and the EAF evacuation systems. Baghouse No. 2 is augmented by three other existing baghouses. The total design flow of all four baghouses is 406,000 ACFM. The addition of 320 cfm during normal operation and occasional 1320 cfm during vehicle loading will not appreciably change the total system flow of 406,000 cfm.

Thus, the proposed modification, as described herein does not present a significant impact on the operation of the overall evacuation system.

E. Requested permitted equipment operating time: hrs/day 24 ; days/wk 7 ; wks/yr 52 ;  
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? \_\_\_\_\_
  - 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. \_\_\_\_\_
3. Does the State "Prevention of Significant Deterioration" (PSD)  
requirement apply to this source? If yes, see Sections VI and VII. \_\_\_\_\_
4. Do "Standards of Performance for New Stationary Sources" (NSPS)  
apply to this source? \_\_\_\_\_
5. Do "National Emission Standards for Hazardous Air Pollutants"  
(NESHAP) apply to this source? \_\_\_\_\_

- H. Do "Reasonably Available Control Technology" (RACT) requirements apply  
to this source? \*See Below
- 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.

\*RACT is applicable to baghouse No. 2 and the two installed electric  
arc furnaces. Since the proposed replacement silo does not have a  
discharge directly to the atmosphere, it is considered that RACT is  
not directly applicable to the subject silo.

**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		
NOT APPLICABLE				

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

1. Total Process Input Rate (lbs/hr): NOT APPLICABLE
2. Product Weight (lbs/hr): \_\_\_\_\_

**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 T/yr			lbs/yr	T/yr	
See Attached Page 4a							

<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).

### Section III: Air Pollution Sources & Control Devices

#### C. Airborne Contaminants Emitted

In the description of this project, it was pointed out that the proposed replacement silo will not have an emission point to the atmosphere but will contribute to emissions from baghouse No. 2. The emissions from baghouse No. 2 which are subject to regulation under Permit No. A029-108747, will not change. This modification will not significantly alter the total flow rate of baghouse No. 2, nor will it, in any way, affect the actual or potential emissions from the baghouse.



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)
Wheelabrator Model 171, 5 Compt 6,890 ft <sup>2</sup> Cloth ea	Particulate	99+%	Unknown	Estimate

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
NONE			

\*Units: Natural Gas--MMCF/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.

The dust handled by this silo is classified as a hazardous waste. No. K061. Handling and off-site disposition are carried out in accordance with the appropriate local, federal and state regulations.

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

Stack Height: NOT APPLICABLE ft. Stack Diameter: \_\_\_\_\_ ft.

Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ DSCFM Gas Exit Temperature: \_\_\_\_\_ °F.

Water Vapor Content: \_\_\_\_\_ % Velocity: \_\_\_\_\_ FPS

**SECTION IV: INCINERATOR INFORMATION**

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: \_\_\_\_\_

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

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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**

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

Contaminant	Rate or Concentration

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.

(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).

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

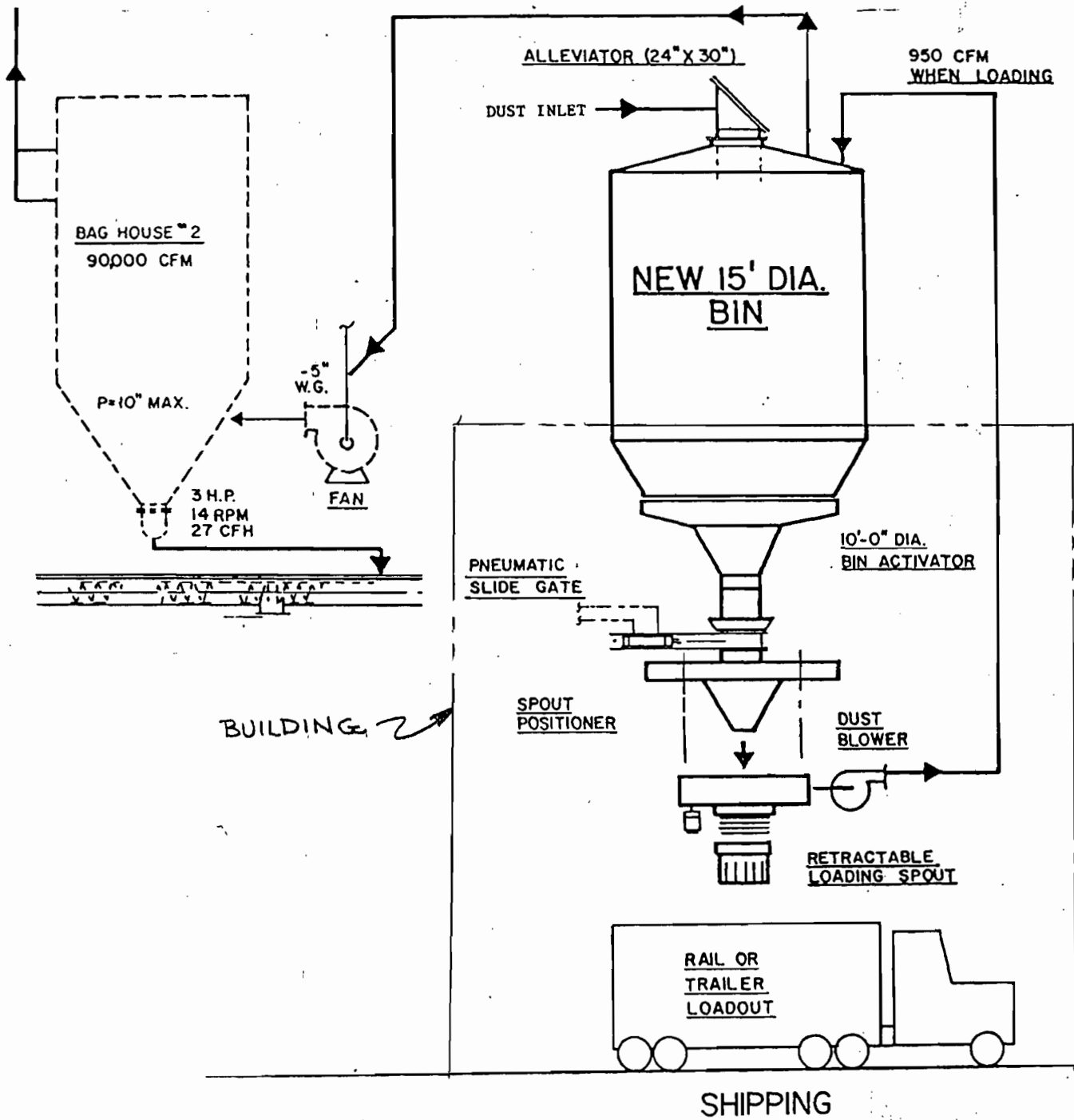
Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

F. Attach all other information supportive to the PSD review.

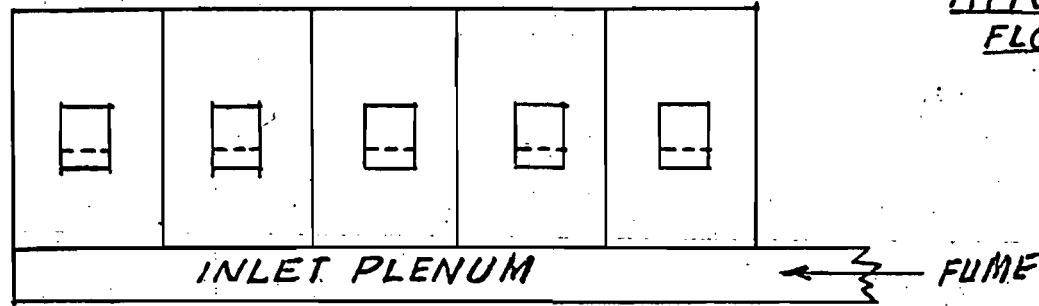
G. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

H. 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.





No. 2  
CANOPY BAGHOUSE (NEW)  
AIR FILTRATION EQPT.  
FLORIDA STEEL CORPORATION  
TAMPA MILL



OUTLETS FOR DISCHARGING  
CLEANED FURNACE AIR

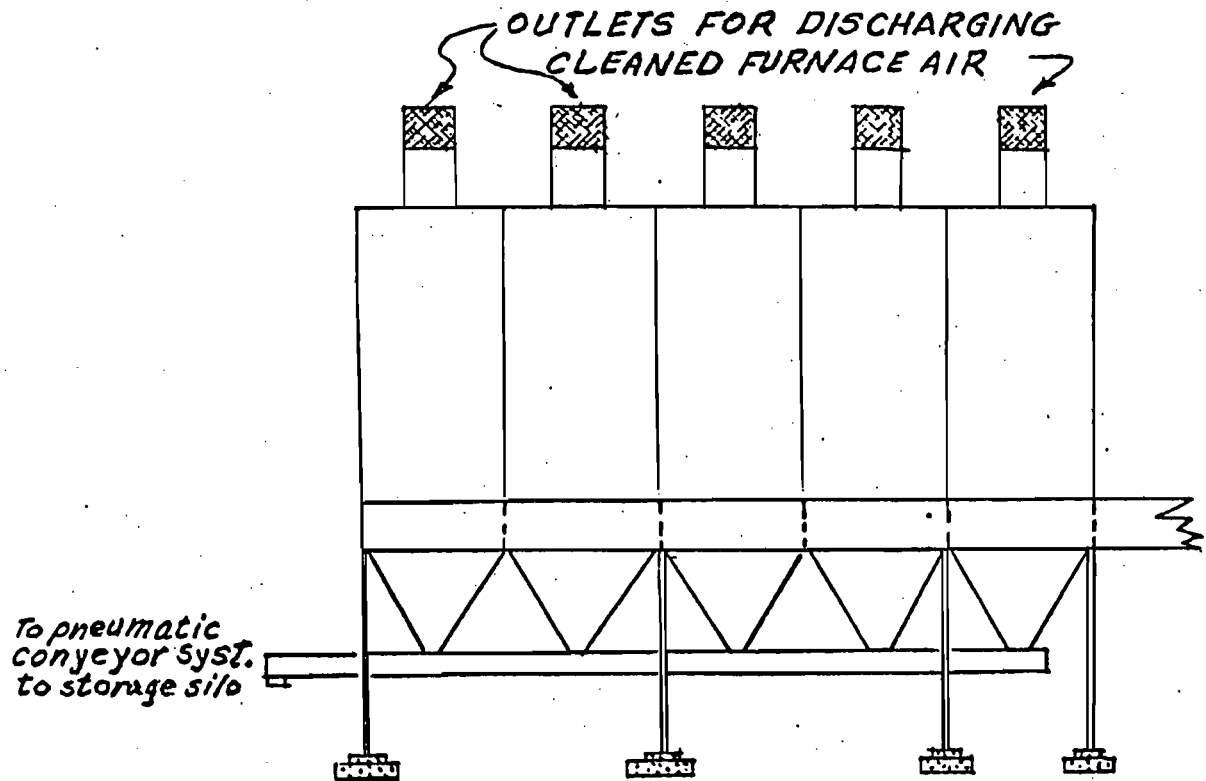
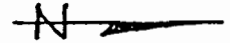


DIAGRAM **D**  
17-72-72

BY \_\_\_\_\_  
CHKD. BY \_\_\_\_\_  
DATE \_\_\_\_\_

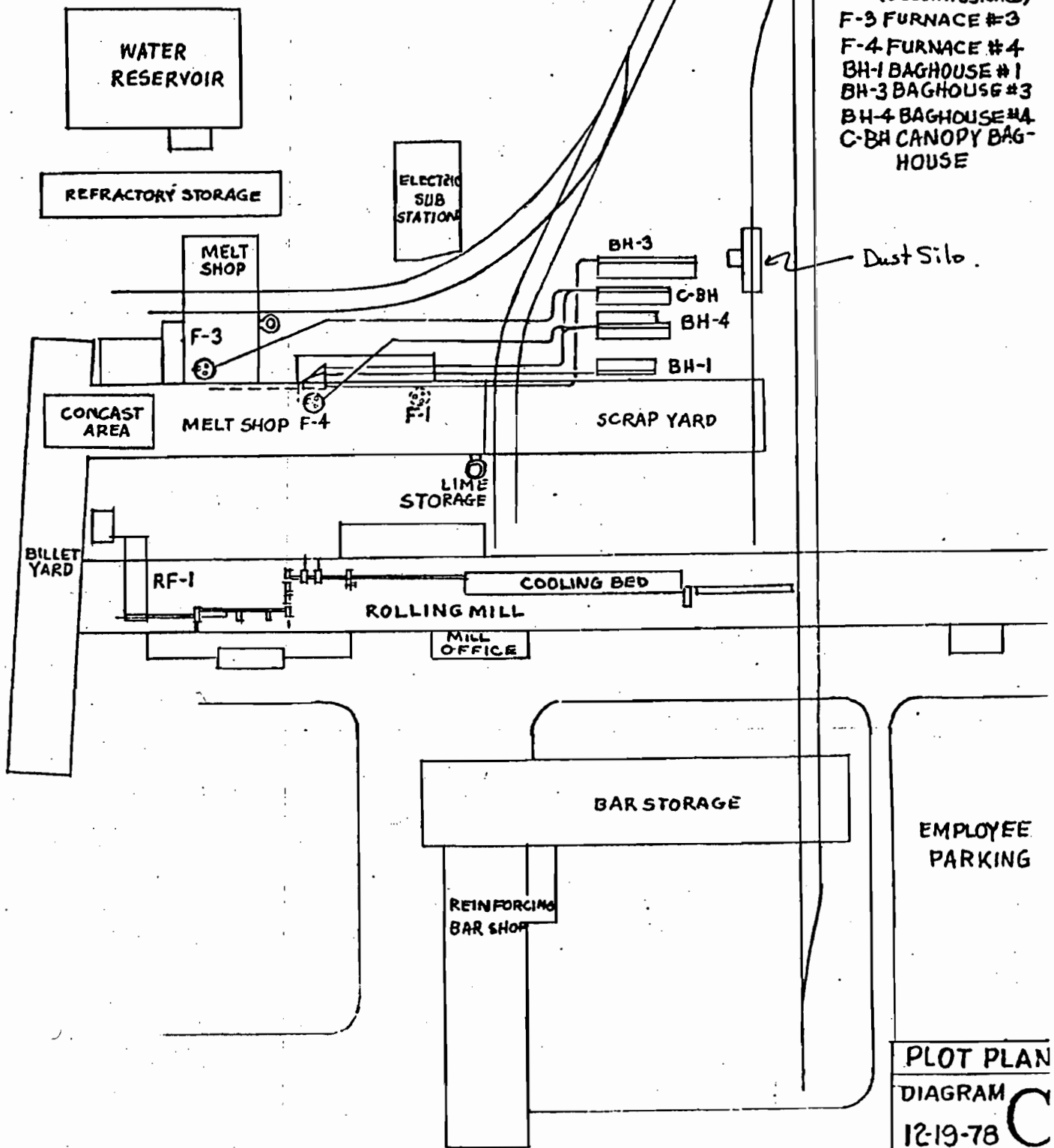
SUBJECT \_\_\_\_\_

SHEET NO. \_\_\_\_\_  
JOB NO. \_\_\_\_\_  
OF \_\_\_\_\_

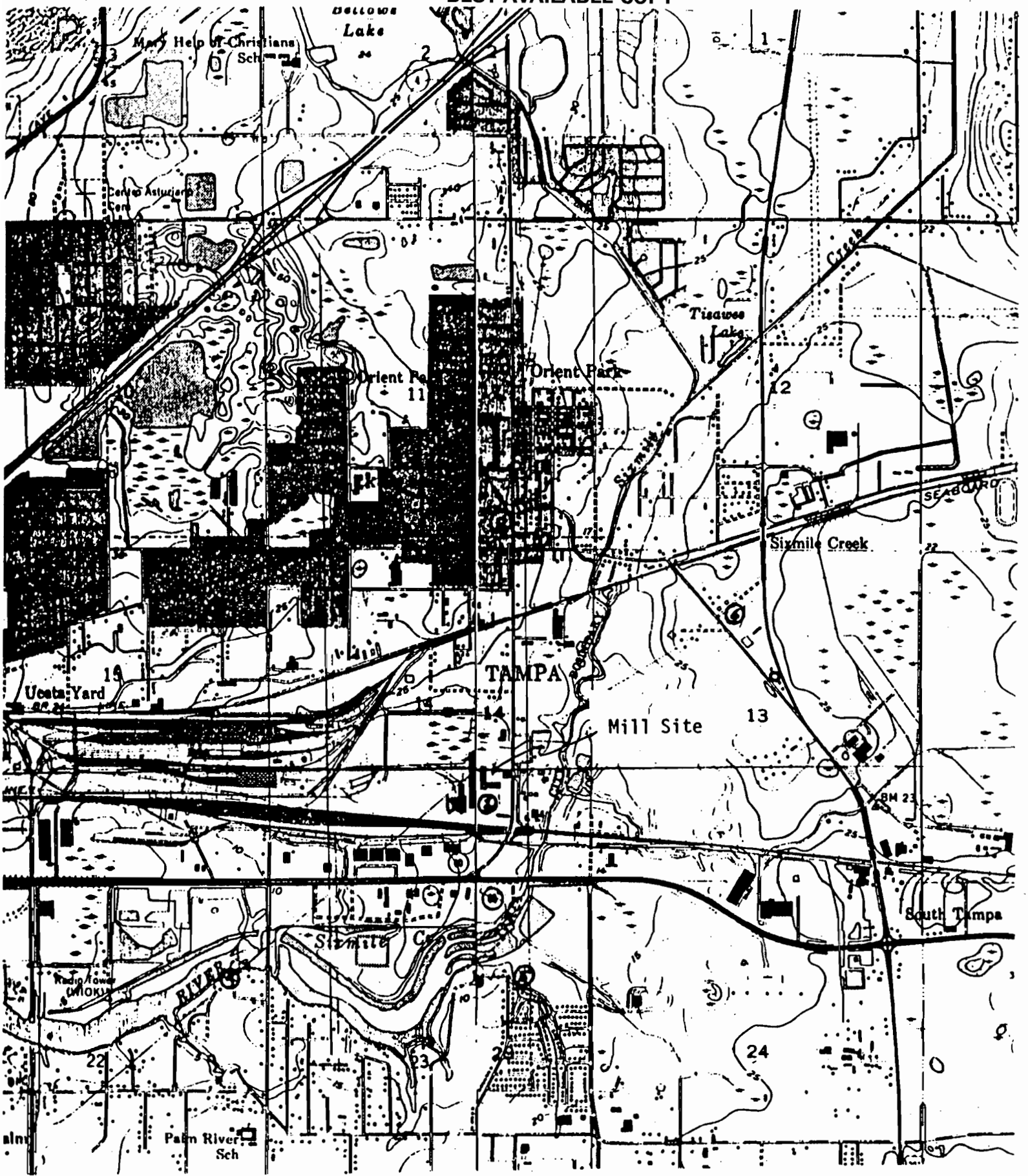


**LEGEND**

- F-1 FURNACE #1  
(Decommissioned)
- F-3 FURNACE #3
- F-4 FURNACE #4
- BH-1 BAGHOUSE #1
- BH-3 BAGHOUSE #3
- BH-4 BAGHOUSE #4
- C-BH CANOPY BAGHOUSE



**PLOT PLAN  
 DIAGRAM  
 12-19-78 C**



SITE LOCATION MAP  
FLORIDA STEEL  
TAMPA MILL