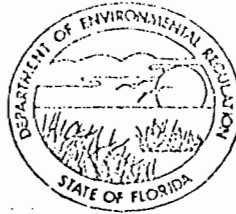


7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610



File: FLORIDA STEEL
AC29-17437

Replaces A029-2446

BOB GRAHAM
GOVERNOR
JACOB D. VAHN
SECRETARY
DAVID PUCHATY
DISTRICT MANAGER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

Hillsborough County - AP
Florida Steel Corp.

DER
FEB 6 1986
BAQM

Earl Hendry
Manager
Florida Steel Corp.
P.O. Box 23328
Tampa, Florida 33623

Dear Mr. Hendry:

Enclosed is Permit Number AC29-17437, dated May 3, 1979,
to ~~operate~~ **CONSTRUCT** the subject pollution source, issued pursuant
to Section 403, Florida Statutes.

Should you object to this permit, including any and all of the conditions contained therein, you may file an appropriate petition for administrative hearing. This petition must be filed within fourteen (14) days of the receipt of this letter. Further, the petition must conform to the requirements of Section 28-5.15, Florida Administrative Code, (copy enclosed). The petition must be filed with the Office of General Counsel, Department of Environmental Regulation, Twin Towers Office Building, 2600 Blair Stone Road, Tallahassee, Florida 32301.

If no petition is filed within the prescribed time, you will be deemed to have accepted this permit and waived your right to request an administrative hearing on this matter.

Acceptance of the permit constitutes notice and agreement that the department will periodically review this permit for compliance, including site inspections where applicable, and may initiate enforcement action for violation of the conditions and requirements thereof.

Sincerely,

P. David Puchaty,
District Manager

cc: Central Files
Robert S. Sholtes, P.E.
HCEPC

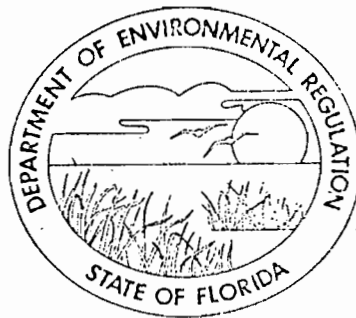
Enclosure

RULES OF THE ADMINISTRATION 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.

NOTE: At a formal hearing all parties shall have an opportunity to present evidence and argument on all issues involved, to conduct cross-examination and submit rebuttal evidence, to submit proposed findings of fact and orders, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel.



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

Hillsborough County

CONSTRUCTION
PERMIT

NO. AC29-17437

Modification of existing fume collection system by using a canopy and baghouse for #4 furnace in compliance with EPA's agreement.
Located: 7105 East Sixth Ave., Tampa.
UTM; 17-364.6 East and 3092.8 North

DATE OF ISSUANCE

May 3, 1979

Florida Steel Corp.

DATE OF EXPIRATION

September 15, 1979



STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION
SOUTHWEST DISTRICT

APPLICANT:

Earl Hendry
Manager
Florida Steel Corp.
P.O. Box 23328
Tampa, Florida 33623

PERMIT/CERTIFICATION
NO. AC29-17437

COUNTY: Hillsborough

PROJECT: Canopy and Baghouse

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Chapter 17-2, Florida Administrative Code. The above named applicant, herein-after called Permittee, is hereby authorized to perform the work or operate the facility shown on the approved drawing(s), plans, documents, and specifications attached hereto and made a part hereof and specifically described as follows:

Modification of existing fume collection system by using a canopy and baghouse for #4 furnace in compliance with EPA's agreement.

Located: 7105 East Sixth Ave, Tampa.

UTM; 17-364.6 East and 3092.8 North

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 Section 403.161(1), Florida Statutes. Permittee is hereby placed on notice that the department will review this permit periodically and may initiate court 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 indicated in the attached drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit shall constitute grounds for revocation and enforcement action by the department.

3. 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 non-compliance, 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.
4. As provided in subsection 403.087(6), 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.
5. This permit is required to be posted in a conspicuous location at the work site or source during the entire period of construction or operation.
6. 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 Section 403.111, F.S.
7. In the case of an operation permit, 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.
8. 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, except where specifically authorized by an order from the department granting a variance or exception from department rules or state statutes.
9. This permit is not transferable. Upon sale or legal transfer of the property or facility covered by this permit, the permittee shall notify the department within thirty (30) days. The new owner must apply for a permit transfer within thirty (30) days. The permittee shall be liable for any non-compliance of the permitted source until the transferee applies for and receives a transfer of permit.
10. The permittee, by acceptance of this permit, specifically agrees to allow access to permitted source at reasonable times by department personnel presenting credentials for the purposes of inspection and testing to determine compliance with this permit and department rules.

11. This permit does not indicate a waiver of or approval of any other department permit that may be required for other aspects of the total project.

12. This permit conveys no title to land or water, nor constitutes state recognition or acknowledgement of title, and does not constitute authority for the reclamation 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.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)

SPECIFIC CONDITIONS:

1. Construction of this installation shall be completed by June 15, 1979. Application for Permit to Operate to be submitted by July 30, 1979.
2. This construction permit expires on September 15, 1979 following an initial period of operation for appropriate testing to determine compliance with the Rules of the Florida Department of Environmental Regulation Commission.
3. All applicable rules of the Department including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction.
4. The applicant shall continue the retention of the engineer of record for the inspection of the construction of this project. Upon completion the engineer shall inspect for conformity to construction permit applications and associated documents. A report of such inspection shall be submitted by the engineer to the Department of Environmental Regulation for consideration toward the issuance of an operation permit.
5. This Canopy Baghouse shall be tested for particulates within 15 days after it is placed in operation. These test results are required prior to our issuance of an operation permit and shall be submitted in duplicate to the Florida Department of Environmental Regulation and the Hillsborough County Environmental Protection Commission.
6. The operation of this installation shall be observed for visible emissions in accordance with Method 9-Visible Determination of the Opacity of Emissions from Stationary Sources (36FR24895; Federal Register, December 23, 1971). The observation results are required prior to our issuance of an operation permit, and shall be submitted in duplicate to the Department of Environmental Regulation District Office and the Hillsborough County Environmental Protection Commission. This includes Baghouses No.4 and Canopy Baghouse and Shop Opacity Readings for Furnace No.4 during charging and tapping (as outlined in CFR60.272(a)(3).)

7. Satisfactory ladders, platforms, and other safety devices shall be provided/available as well as necessary ports to facilitate the carrying out of an adequate sampling program.

8. There shall be no discharges of liquid effluents or contaminated runoff from the plant site.

9. All fugitive dust generated at this site shall be adequately controlled.

Expiration Date:

Issued this 3 day of May,
1979.

September 15, 1979

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION



P. David Puchaty, District Manager

State of Florida

Routing To District Offices
And/Or To Other Than The Addressee

DEPARTMENT OF ENVIRONMENTAL REGULATION

| | |
|-------------|--------------|
| To: _____ | Locn.: _____ |
| To: _____ | Locn.: _____ |
| To: _____ | Locn.: _____ |
| From: _____ | Date: _____ |

INTEROFFICE MEMORANDUM

TO: P. David Puchaty

THRU: Dan A. Williams *SW*

FROM: William H. Brown *WB*

DATE: April 27, 1979

SUBJECT: Florida Steel Corp. EPA Delayed Compliance Order.

RECEIVED

MAY 7 1979

H.C.E.P.C.

On December 23, 1977, Paul Traina, EPA, issued notice to F.S.C. for violation of HCEPC Act. 67-1504, and that furnaces #1, 3 & 4 were violating the standards. Subsequently unit #1 was taken out of service.

Furnaces 3 & 4 are being equiped with canopies and baghouse, in order to bring F.S.C. in compliance with all TSP regulations.

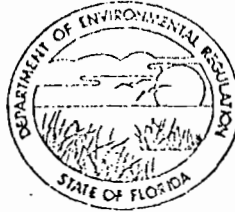
I recommend approval of applications for this improvement for furnace #4.

WHB/lm

Public notice? Is newspaper inside folder.
[Signature] yes

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610

*File - Florida Steel A-24-11700
Replaces A029-2445*



BOB GRAHAM
GOVERNOR
JACOB D. VARN
SECRETARY
DAVID PUCHATY
DISTRICT MANAGER

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
SOUTHWEST DISTRICT

Hillsborough County - AP.
Florida Steel Corp.

DER

FEB 6 1986

BAQM

Earl Hendry
Manager
Florida Steel Corp.
P.O. Box 23328
Tampa, Florida 33623

Dear Mr. Hendry:

Enclosed is Permit Number AC29-17438, dated May 3, 1979,
to construct the subject pollution source, issued pursuant
to Section 403, Florida Statutes.

Should you object to this permit, including any and all of the conditions contained therein, you may file an appropriate petition for administrative hearing. This petition must be filed within fourteen (14) days of the receipt of this letter. Further, the petition must conform to the requirements of Section 28-5.15, Florida Administrative Code, (copy enclosed). The petition must be filed with the Office of General Counsel, Department of Environmental Regulation, Twin Towers Office Building, 2600 Blair Stone Road, Tallahassee, Florida 32301.

If no petition is filed within the prescribed time, you will be deemed to have accepted this permit and waived your right to request an administrative hearing on this matter.

Acceptance of the permit constitutes notice and agreement that the department will periodically review this permit for compliance, including site inspections where applicable, and may initiate enforcement action for violation of the conditions and requirements thereof.

Sincerely,

[Signature]
F. David Puchaty,
District Manager

cc: Record Center
HCEPC
Robert S. Sholtes, P.E.

Enclosure

RULES OF THE ADMINISTRATION 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.

NOTE: At a formal hearing all parties shall have an opportunity to present evidence and argument on all issues involved, to conduct cross-examination and submit rebuttal evidence, to submit proposed findings of fact and orders, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel.



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

HILLSBOROUGH COUNTY

CONSTRUCTION
PERMIT

NO. AC29-17438

Modification of existing fume collection system by using a canopy and baghouse for #3 furnace in compliance with EPA's agreement.
Located: 7105 East Sixth Ave., Tampa.
UTM: 17-364.6 East and 3092.8 North

DATE OF ISSUANCE

May 3, 1979

Florida Steel Corp.

DATE OF EXPIRATION

September 15, 1979



STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

APPLICANT:

Earl Hendry
Manager
Florida Steel Corp.
P.O. Box 23328
Tampa, Florida 33623

PERMIT/CERTIFICATION
NO. AC29-17438

COUNTY: Hillsborough

PROJECT: Canopy and
Baghouse

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Chapter 17-2, Florida Administrative Code. The above named applicant, herein after called Permittee, is hereby authorized to perform the work or operate the facility shown on the approved drawing(s), plans, documents, and specifications attached hereto and made a part hereof and specifically described as follows:

Modification of existing fume collection system by using a canopy and baghouse for #3 furnace in compliance with EPA's agreement.

Located: 7105 East Sixth Ave., Tampa.

UTM: 17-364.6 East and 3092.8 North

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 Section 403.161(1), Florida Statutes. Permittee is hereby placed on notice that the department will review this permit periodically and may initiate court 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 indicated in the attached drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit shall constitute grounds for revocation and enforcement action by the department.

3. 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 non-compliance, 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.

4. As provided in subsection 403.087(6), 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.

5. This permit is required to be posted in a conspicuous location at the work site or source during the entire period of construction or operation.

6. 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 Section 403.111, F.S.

7. In the case of an operation permit, 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.

8. 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, except where specifically authorized by an order from the department granting a variance or exception from department rules or state statutes.

9. This permit is not transferable. Upon sale or legal transfer of the property or facility covered by this permit, the permittee shall notify the department within thirty (30) days. The new owner must apply for a permit transfer within thirty (30) days. The permittee shall be liable for any non-compliance of the permitted source until the transferee applies for and receives a transfer of permit.

10. The permittee, by acceptance of this permit, specifically agrees to allow access to permitted source at reasonable times by department personnel presenting credentials for the purposes of inspection and testing to determine compliance with this permit and department rules.

11. This permit does not indicate a waiver of or approval of any other department permit that may be required for other aspects of the total project.

12. This permit conveys no title to land or water, nor constitutes state recognition or acknowledgement of title, and does not constitute authority for the reclamation 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.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)

SPECIFIC CONDITIONS:

1. Construction of this installation shall be completed by June 15, 1979. Application for Permit to Operate to be submitted by July 30, 1979.

2. This construction permit expires on September 15, 1979 following an initial period of operation for appropriate testing to determine compliance with the Rules of the Florida Department of Environmental Regulation Commission.

3. All applicable rules of the Department including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction.

4. The applicant shall continue the retention of the engineer of record for the inspection of the construction of this project. Upon completion the engineer shall inspect for conformity to construction permit applications and associated documents. A report of such inspection shall be submitted by the engineer to the Department of Environmental Regulation for consideration toward the issuance of an operation permit.

5. The operation of this installation shall be observed for visible emissions in accordance with Method 9-Visible Determination of the Opacity of Emissions from Stationary Sources (36FR24895; Federal Register, December 23, 1971). The observation results are required prior to our issuance of an operation permit, and shall be submitted in duplicate to the Department of Environmental Regulation District Office, and the Hillsborough County Environmental Protection Commission. This includes Baghouses Nos. 1 and 3. Shop opacity readings during Charging and Tapping as outlined in CFR60.272(a)(3) while Furnace 3 is operating.

6. Satisfactory ladders, platforms, and other safety devices shall be provided/available as well as necessary ports to facilitate the carrying out of an adequate sampling program.

Appl. Name: Florida Steel Corp.
Project: Canopy and Baghouse
Page 4 of 4 of Permit No.: AC29-17438

7. There shall be no discharges of liquid effluents or contaminated runoff from the plant site.

8. All fugitive dust generated at this site shall be adequately controlled.

Expiration Date:
September 15, 1979

Issued this 3 day of May,
1979.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION



P. David Puchaty, District Manager

State of Florida

DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

Routing To District Offices
And To Other Than The Addressee

| | |
|-------------|---------------|
| To: _____ | Loctn.: _____ |
| To: _____ | Loctn.: _____ |
| To: _____ | Loctn.: _____ |
| From: _____ | Date: _____ |

TO: P. David Puchaty

THRU: Dan A. Williams *aw*

FROM: William H. Brown *WHB*

DATE: April 27, 1979

RECEIVED

MAY 7 1979

HCEPCA

SUBJECT: Florida Steel Corp. EPA Delayed Compliance Order.

On December 23, 1977, Paul Traina, EPA, issued notice to F.S.C. *for* ~~EP~~ violation ~~to~~ ^{of} HCEPCA Act. 67-1504 and that furnaces #1, 3 & 4 were violating the standards. Subsequently unit #1 was taken out of service.

Furnaces 3 & 4 are being equiped with canopies and baghouse in order to bring F.S.C. in compliance with all TSP regulations.

I recommend approval of applications for this improvement for furnaces #3.

WHB/ln

0020
04



File: J. Steel
AIR Permit
A029-23326
Replaces AC29-17437

BOB GRAHAM
GOVERNOR
JACOB D. VARN
SECRETARY
DAVID PUCHATY
DISTRICT MANAGER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT
Hillsborough County AP
Florida Steel Corporation

DER

FEB 6 1986

BAQM

Mr. Earl Hendry
Division Manager
Florida Steel Corporation
P.O. Box 23328
Tampa, Fla. 33623

Dear Mr. Hendry:

RECEIVED
NOV 26 1979
H.C.E.P.C.

Enclosed is Permit Number A029-23326, dated November 21, 1979
to operate the subject air pollution source
issued pursuant to Section 403, Florida Statutes.

Should you object to this permit, including any and all of the conditions contained therein, you may file an appropriate petition for administrative hearing. This petition must be filed within fourteen (14) days of the receipt of this letter. Further, the petition must conform to the requirements of Section 28-5.15, Florida Administrative Code, (see reverse side of this letter). The petition must be filed with the Office of General Counsel, Department of Environmental Regulation, Twin Towers Office Building, 2600 Blair Stone Road, Tallahassee, Florida 32301.

If no petition is filed within the prescribed time, you will be deemed to have accepted this permit and waived your right to request an administrative hearing on this matter.

Acceptance of the permit constitutes notice and agreement that the Department will periodically review this permit for compliance, including site inspections where applicable, and may initiate enforcement action for violation of the conditions and requirements thereof.

Sincerely,

cc: Record Center
HCEPC ✓
John P. Hilburn

for P. David Puchaty
District Manager

Enclosure

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.



BOB GRAHAM
GOVERNOR
JACOB D. VARN
SECRETARY
DAVID PUCHATY
DISTRICT MANAGER

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
SOUTHWEST DISTRICT

APPLICANT:

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

PERMIT/CERTIFICATION
NO. A029-23326

COUNTY: Hillsborough

PROJECT: Steel Mill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Chapter Arc Furnace #4, Florida Administrative Code. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the approved drawing(s), plans, documents, and specifications attached hereto and made a part hereof and specifically described as follows:

For the operation of an Electric Arc Furnace #4 designed to process 19 tons per hour of scrap steel. Emissions are controlled during the melting operation by Baghouse No. 4 (Fuller-DRACCO Model 6000) and during the charging and tapping operations by Baghouses No. 1 (Wheelabrator Model 168) and No. 4, and Canopy Baghouse (Wheelabrator Model 171).

Located at 7105 E. 76th Avenue, Tampa, Fla.

UTM: 17 East 364.6 North 3092.8

Replaces Permit NO: AC29-17437 & A029-2446 NEDS NO: 0020 Point ID: 04

Expires: November 2, 1984

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 Section 403.161(1), Florida Statutes. Permittee is hereby placed

PERMIT NO.: A029-23326
APPLICANT: Florida Steel Corporation

on notice that the department will review this permit periodically and may initiate court 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 indicated in the attached drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit shall constitute grounds for revocation and enforcement action by the department.

3. 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 non-compliance, 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.

4. As provided in subsection 403.087(6), 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.

5. This permit is required to be posted in a conspicuous location at the work site or source during the entire period of construction or operation.

6. 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 Section 403.111, F.S.

7. In the case of an operation permit, 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.

8. 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, except where specifically authorized by an order from the department granting a variance or exception from department rules or state statutes.

9. This permit is not transferable. Upon sale or legal transfer of the property or facility covered by this permit, the permittee shall notify the department within thirty (30) days. The new owner must apply for a permit transfer within thirty (30) days. The permittee shall be liable for any non-compliance of the permitted source until the transferee applies for and receives a transfer of permit.

10. The permittee, by acceptance of this permit, specifically agrees to allow access to permitted source at reasonable times by department personnel presenting credentials for the purposes of inspection and testing to determine compliance with this permit and department rules.

11. This permit does not indicate a waiver of or approval of any other department permit that may be required for other aspects of the total project.

12. This permit conveys no title to land or water, nor constitutes state recognition or acknowledgement of title, and does not constitute authority for the reclamation 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.

13. This permit also constitutes:

- Determination of Best Available Control Technology (BACT)
- Determination of Prevention of Significant Deterioration (PSD)
- Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)

SPECIFIC CONDITIONS:

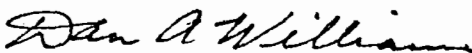
PERMIT NO.: A029-23326
APPLICANT: Florida Steel Corporation

1. The operation of this installation shall be observed for visible emissions in accordance with Method 9 - Visible Determination of the Opacity of Emissions from Stationary Sources (36FR24895; Federal Register, December 23, 1971). The observation results shall be submitted in duplicate to the Department of Environmental Regulation District Office and the Hillsborough County Environmental Protection Commission. This includes Baghouse Nos. 1 & 4 and Canopy Baghouse and Shop Opacity Readings for Furnace No. 4 during charging and tapping (as outlined in CFR60.272(a)(3).)
2. Testing for particulates shall be done upon the request of this Agency or the Hillsborough County Environmental Protection Commission. Sampling procedures will be determined prior to the test.
3. Testing of emissions must be accomplished at approximately the rates as stated in the application. Failure to submit the input rates or operation at conditions which do not reflect actual operating conditions may invalidate the data (Chapter 403.161 (1)(c), Florida Statutes).
4. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information as per Chapter 17-4.14, F.A.C.
 - (A) Annual amount of materials and/or fuels utilized.
 - (B) Annual emissions (note calculation basis).
 - (C) Any changes in the information contained in the permit application.
5. Furnaces #3 and #4 shall not engage in charging and/or tapping operations at the same time.
6. Adequate wind screens shall be maintained for good capture efficiency of fugitive emissions by the furnace canopy system.
7. Testing required in Proviso No. 1 shall be performed at intervals of 12 months from the date of July 26, 1979.

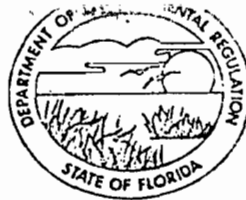
Expiration Date: November 2, 1984

Issued this 21st day of November, 19 79.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

for 
P. David Puchaty
District Manager

0020
03



File + Steel
Air Permit
A029-23327

BOB GRAHAM
GOVERNOR
JACOB D. VARN
SECRETARY
DAVID PUCHATY
DISTRICT MANAGER

STATE OF FLORIDA

Replaces AC29-17438

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT
Hillsborough County AP
Florida Steel Corporation

DER

FEB 6 1986

BAQM

RECEIVED

NOV 26 1979

H.C.E.P.C.

Mr. Earl Hendry
Division Manager
Florida Steel Corporation
P.O. Box 23328
Tampa, Fla. 33623

Dear Mr. Hendry:

Enclosed is Permit Number A029-23327, dated November 21, 1979 to operate the subject air pollution source issued pursuant to Section 403, Florida Statutes.

Should you object to this permit, including any and all of the conditions contained therein, you may file an appropriate petition for administrative hearing. This petition must be filed within fourteen (14) days of the receipt of this letter. Further, the petition must conform to the requirements of Section 28-5.15, Florida Administrative Code, (see reverse side of this letter). The petition must be filed with the Office of General Counsel, Department of Environmental Regulation, Twin Towers Office Building, 2600 Blair Stone Road, Tallahassee, Florida 32301.

If no petition is filed within the prescribed time, you will be deemed to have accepted this permit and waived your right to request an administrative hearing on this matter.

Acceptance of the permit constitutes notice and agreement that the Department will periodically review this permit for compliance, including site inspections where applicable, and may initiate enforcement action for violation of the conditions and requirements thereof.

Sincerely,

cc: Record Center
HCEPC ✓
John P. Hilburn

David Puchaty
for P. David Puchaty
District Manager

Enclosure

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.



BOB GRAHAM
GOVERNOR

JACOB D. VARN
SECRETARY

DAVID PUCHATY
DISTRICT MANAGER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION
SOUTHWEST DISTRICT

APPLICANT:

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

PERMIT/CERTIFICATION
NO. A029-23327

COUNTY: Hillsborough

PROJECT: Steel Mill
Arc Furnace #3

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Chapter 17-2, Florida Administrative Code. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the approved drawing(s), plans, documents, and specifications attached hereto and made a part hereof and specifically described as follows:

For the operation of an Electric Arc Furnace #3 designed to process 13.4 tons per hour of scrap steel. Emissions are controlled during the melting operation by Baghouse No. 3 (modified Wheelabrator Model 168) and during charging and tapping operations by Baghouses No. 1 (Wheelabrator Model 168) and No. 3, and Canopy Baghouse (Wheelabrator Model 171).

Located at 7105 E. 6th Avenue, Tampa, Fla.

UTM: 17 East 364.6 North 3092.8

Replaces Permit NO: AC29-17438 & A029-2445 NEDS NO: 0020 Point ID: 03

Expires: November 2, 1984

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 Section 403.161(1), Florida Statutes. Permittee is hereby placed

PERMIT NO.: AO29-23327
APPLICANT: Florida Steel Corporation

on notice that the department will review this permit periodically and may initiate court 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 indicated in the attached drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit shall constitute grounds for revocation and enforcement action by the department.

3. 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 non-compliance, 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.

4. As provided in subsection 403.087(6), 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.

5. This permit is required to be posted in a conspicuous location at the work site or source during the entire period of construction or operation.

6. 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 Section 403.111, F.S.

7. In the case of an operation permit, 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.

8. 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, except where specifically authorized by an order from the department granting a variance or exception from department rules or state statutes.

9. This permit is not transferable. Upon sale or legal transfer of the property or facility covered by this permit, the permittee shall notify the department within thirty (30) days. The new owner must apply for a permit transfer within thirty (30) days. The permittee shall be liable for any non-compliance of the permitted source until the transferee applies for and receives a transfer of permit.

10. The permittee, by acceptance of this permit, specifically agrees to allow access to permitted source at reasonable times by department personnel presenting credentials for the purposes of inspection and testing to determine compliance with this permit and department rules.

11. This permit does not indicate a waiver of or approval of any other department permit that may be required for other aspects of the total project.

12. This permit conveys no title to land or water, nor constitutes state recognition or acknowledgement of title, and does not constitute authority for the reclamation 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.

13. This permit also constitutes:

- Determination of Best Available Control Technology (BACT)
- Determination of Prevention of Significant Deterioration (PSD)
- Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)

SPECIFIC CONDITIONS:

PERMIT NO.: A029-23327
APPLICANT: Florida Steel Corporation

1. The operation of this installation shall be observed for visible emissions in accordance with Method 9 - Visible Determination of the Opacity of Emissions from Stationary Sources (36FR24895; Federal Register, December 23, 1971). The observation results shall be submitted in duplicate to the Department of Environmental Regulation District Office and the Hillsborough County Environmental Protection Commission. This includes Baghouse Nos. 1 & 3 and Canopy Baghouse and Shop Opacity Readings for Furnace No. 3 during charging and tapping (as outlined in CFR60.272(a)(3).)
2. Testing for particulates shall be done upon the request of this Agency or the Hillsborough County Environmental Protection Commission. Sampling procedures will be determined prior to the test.
3. Testing of emissions must be accomplished at approximately the rates as stated in the application. Failure to submit the input rates or operation at conditions which do not reflect actual operating conditions may invalidate the data (Chapter 403.161 (1)(c), Florida Statutes).
4. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information as per Chapter 17-4.14, F.A.C.
 - (A) Annual amount of materials and/or fuels utilized.
 - (B) Annual emissions (note calculation basis).
 - (C) Any changes in the information contained in the permit application.
5. Furnaces #3 and #4 shall not engage in charging and/or tapping operations at the same time.
6. Adequate wind screens shall be maintained for good capture efficiency of fugitive emissions by the furnace canopy system.
7. Testing required in Proviso No. 1 shall be performed at intervals of 12 months from the date of July 26, 1979.

Expiration Date: November 2, 1984

Issued this 21ST day of November, 19 79.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

Don A. Williams
for P. David Puchaty
District Manager

State of Florida

DEPARTMENT OF STATE • DIVISION OF CORPORATIONS

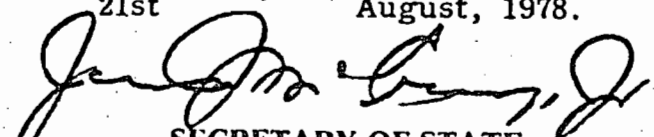
I certify from the records of this office that FLORIDA STEEL CORPORATION, is a corporation organized under the laws of the State of Florida.

The charter number for this corporation is 195537.

I further certify that said corporation has filed all annual reports and paid all annual report filing fees due this office through December 31, 1978, and its status is active.

GIVEN under my hand and the Great Seal of the State of Florida, at Tallahassee, the Capital, this the

21st day of August, 1978.


SECRETARY OF STATE





FLORIDA STEEL CORPORATION

"Steel when you want it"

GENERAL OFFICES

1715 CLEVELAND ST. • P. O. BOX 23328 • TAMPA, FLA. 33622

FROM THE OFFICE OF THE PRESIDENT

July 16, 1979

D.E.R.
SEP 4 1979
SOUTHWEST DISTRICT
TAMPA

RECEIVED
AUG 25
M.R.E.P.O.

TO WHOM IT MAY CONCERN:

This is to authorize Mr. Earl Hendry, Manager of the Tampa Mill Division, to operate the Tampa Steel Mill and to apply for construction permits and operating permits therefor as may be required.

Edward L. Flom
President

DIVISIONS

LAUDERDALE, FLORIDA • FT. MYERS, FLORIDA • INDIANTOWN, FLORIDA • JACKSONVILLE, FLORIDA • MIAMI, FLORIDA • ORLANDO, FLORIDA • TAMPA, FLORIDA
CHARLOTTE, NORTH CAROLINA • RALEIGH, NORTH CAROLINA • AIKEN, SOUTH CAROLINA • ATLANTA, GEORGIA

STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION
CONSTRUCTION PERMIT

DER
FEB 6 1986
BAQM

FOR FLORIDA STEEL CORPORATION
P. O. BOX 23328
TAMPA, FLORIDA 33623

PERMIT NO. _____ DATE OF ISSUE _____

PURSUANT TO THE PROVISIONS OF SECTIONS 403.061 (16) AND 403.707 OF CHAPTER 403, FLORIDA STATUTES AND CHAPTERS 17-4 AND 17-7 FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:
EARL HENDRY, MANAGER, TAMPA STEEL MILL DIVISION

FOR THE CONSTRUCTION OF THE FOLLOWING:
MODIFICATION TO BAGHOUSE NO. 3; THE ADDITION OF A CANOPY HOOD OVER
FURNACE NO. 4; AND THE CONSTRUCTION OF A NEW CANOPY BAGHOUSE, WITH
ASSOCIATED STRUCTURAL AND DUCT WORK. SUBJECT TO PERMIT CONDITIONS
NOS. 1, 2, 3, 4, 5, 6, 7, 8, 9.

LOCATED AT 1705 EAST SIXTH AVENUE, TAMPA
UTM: 17-364.63E 3092.82N

IN ACCORDANCE WITH THE APPLICATION DATED FEBRUARY 14, 1979

ANY CONDITIONS OR PROVISOS WHICH ARE ATTACHED HERETO ARE INCORPORATED INTO AND MADE A PART OF THIS PERMIT AS THOUGH FULLY SET FORTH HEREIN. FAILURE TO COMPLY WITH SAID CONDITIONS OR PROVISOS SHALL CONSTITUTE A VIOLATION OF THIS PERMIT AND SHALL SUBJECT THE APPLICANT TO SUCH CIVIL AND CRIMINAL PENALTIES AS PROVIDED BY LAW.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ISSUE UNTIL SEPTEMBER 15, 1979
OR UNLESS REVOKED OR SURRENDERED AND SHALL BE SUBJECT TO ALL LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT.

Roger P. Stewart
ROGER P. STEWART, DIRECTOR,
HILLSBOROUGH COUNTY ENVIRONMENTAL
PROTECTION COMMISSION

Joseph W. Landers, Jr.
JOSEPH W. LANDERS, JR.
SECRETARY
DISTRICT MANAGER

7501 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610



REUBIN Q'D. ASKEW
GOVERNOR

JOSEPH W. LANDERS, JR.
SECRETARY

DAVID PUCHATY
DISTRICT MANAGER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

Florida Steel Corp.
Hillsborough County -- A.P.

Earl Hendry, Manager,
Tampa Steel Mill Division
Florida Steel Corp.
P. O. Box 23328
Tampa, Florida 33623

Dear Mr. Hendry:

Pursuant to Section 403.061(16), Florida Statutes, your application has been approved by the Department and, therefore, we are issuing to you the enclosed permit no. which will expire on September 15, 1979.

This permit is not effective unless you accept it, including any and all of the conditions contained therein. If you do not choose to accept it, you must file an appropriate petition for a hearing pursuant to the provisions of Section 120.57, Florida Statutes.

A petition for a hearing must comply with the requirements of Florida Administrative Code, Section 28-5.15 and be filed (postmarked) with the Secretary of the Department of Environmental Regulation at Twin Towers Office Building, 2600 Blair Stone Road, Tallahassee, Florida 32301, with a copy to this office within fourteen (14) days from receipt of this letter. Petitions which are not filed in accordance with the above provisions may be subject to dismissal.

Any time limits imposed in the permit are a condition to this permit and are enforceable under Section 403.061, Florida Statutes. You are hereby placed on notice that the Department will review this permit to check for compliance and will initiate enforcement action for violations of the conditions and requirements of this permit.

Your continued cooperation in this matter is appreciated. Please refer to your assigned permit number in all future communications.

Sincerely,

cc: Central Files
HCEPC

Enclosures

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

CONSTRUCTION PERMIT PROVISIONS

AIR POLLUTION SOURCES

Permit No. _____

Date: _____

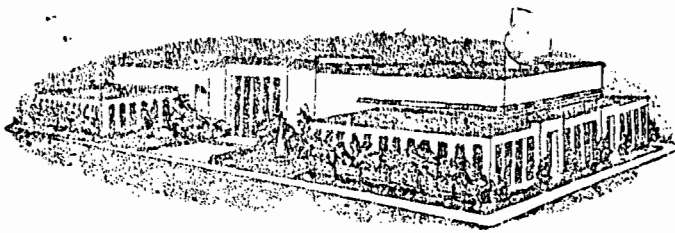
- (X) 1. Construction of this installation shall be completed by June 15, 1979. Application for Permit to Operate to be submitted by July 30, 1979.
- (X) 2. This construction permit expires on September 15, 1979 following an initial period of operation for appropriate testing to determine compliance with the Rules of the Florida Department of Environmental Regulation Commission.
- (X) 3. All applicable rules of the Department including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction.
- (X) 4. The applicant shall continue the retention of the engineer of record for the inspection of the construction of this project. Upon completion the engineer shall inspect for conformity to construction permit applications and associated documents. A report of such inspection shall be submitted by the engineer to the Department of Environmental Regulation for consideration toward the issuance of an operation permit.
- (X) 5. This Canopy Baghouse shall be tested* for Particulates within 15 days after it is placed in operation. These test results are required prior to our issuance of an operation permit and shall be submitted in duplicate to the Florida Department of Environmental Regulation and the Hillsborough County Environmental Protection Commission.

* Fuel Analysis May be Submitted for Required Sulfur Dioxide Emission Test.

- (X) 6. The operation of this installation shall be observed for visible emissions in accordance with Method 9-Visible Determination of the Opacity of Emissions from Stationary Sources (36FR24895; Federal Register, December 23, 1971). The observation results are required prior to our issuance of an operation permit, and shall be submitted in duplicate to the Department of Environmental Regulation District Office, and the Hillsborough County Environmental Protection Commission. This includes Baghouses No. 4 and Canopy Baghouse and Shop Opacity Readings for Furnace No. 4 during charging and tapping (see back)*
- (X) 7. Satisfactory ladders, platforms, and other safety devices shall be provided/available as well as necessary ports to facilitate the carrying out of an adequate sampling program.
- (X) 8. There shall be no discharges of liquid effluents or contaminated runoff from the plant site.
- (X) 9. All fugitive dust generated at this site shall be adequately controlled.

() 10. This permit is associated with a Development of Regional Impact (D.R.I.). It does not waive any other permits that may be required from this or any other State, Federal, or local agency.

*6. (continued) as outlined in CFR60.272(a)(3).



COUNTY OF HILLSBOROUGH

MEMORANDUM

Date 2/28/79

To FILES
From Vilma Brueggemeyer, Air Engineer, EPC
Subject: TRANSMITTAL OF AIR PERMITS

Transmitted to DER this date the following:

1 air construction permit for Florida Steel Corporation, Baghouse #3 etc.

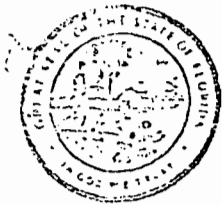
1 air construction permit for Florida Steel Corporation, Baghouse #4 etc. ✓

D.E.R.

MAR 2 1979

SOUTHWEST DISTRICT
TAMPA

VB/rr



BEST AVAILABLE COPY
STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

DER

POST OFFICE BOX 9205
500 EAST CENTRAL AVENUE
WINTER HAVEN, FLORIDA 33630

FEB 6 1986

JOSEPH W. LANDERS JR.
SECRETARY

FLORIDA STEEL CORPORATION
HILLSBOROUGH COUNTY - - A.P.
OCTOBER 13, 1975

BAQM

NOV 3 1975

ACCEPTED

MR. ROBERT J. BODEMAN
MANAGER, TAMPA STEEL MILL DIVISION
FLORIDA STEEL CORPORATION
P. O. BOX 23328
TAMPA, FLA 33622

Dear Mr. Bodeman:

Pursuant to your recent application, please find enclosed a permit ~~XXXXXXXXXX~~ dated 10/13/75 to ~~XXXXXXXXXX~~/ operate the subject pollution source.

This permit will expire on 10/13/77, and will be subject to the conditions, requirements, and restrictions checked or indicated otherwise in the attached sheet "Construction/Operation Permit Conditions."

This permit is issued under the authority of Florida Statute 403.061(16). The time limits imposed herein are a condition to this permit and are enforceable under Florida Statute 403.161. You are hereby placed on Notice that the Department will review this permit before the scheduled date of expiry and will seek court action for violation of the conditions and requirements of this permit.

You have ten days from the date of receipt hereof within which to seek a review of the conditions and requirements contained in this permit. Failure to file a written request to review or modify the conditions or requirements contained in this permit shall be deemed a waiver of any objections thereto.

Your continued cooperation in this matter is appreciated and in future communication please refer to your permit number.

Yours very truly,
J. H. Kerns
J. H. Kerns, PE
District Engineer

CC: BILL NICKONOVITZ
H. C. E. P. C.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

OPERATION PERMIT

FOR FLORIDA STEEL CORPORATION

P. O. BOX 23328

TAMPA, FLA 33622

PERMIT NO. AO 29-2446

DATE OF ISSUE 10/13/75

PURSUANT TO THE PROVISIONS OF SECTIONS 403.061(16) AND 403.707 OF CHAPTER 403, FLORIDA STATUTES AND CHAPTERS 17-4 AND 17-7, FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:

ROBERT J. BODEMAN, MANAGER, TAMPA STEEL MILL DIVISION

FOR THE OPERATION OF THE FOLLOWING:

ELECTRIC ARC FURNACE NO. 4

Subject to attached Conditions of Approval, Numbers

1, 2, 3, 4, 5, 6, 7, and 9

LOCATED AT 7105 EAST SIXTH AVENUE, TAMPA

UTM: 17-364-6-E - 3094-2-N

IN ACCORDANCE WITH THE APPLICATION DATED 8/26/75

ANY CONDITIONS OR PROVISOS WHICH ARE ATTACHED HERETO ARE INCORPORATED INTO AND MADE A PART OF THIS PERMIT AS THOUGH FULLY SET FORTH HEREIN. FAILURE TO COMPLY WITH SAID CONDITIONS OR PROVISOS SHALL CONSTITUTE A VIOLATION OF THIS PERMIT AND SHALL SUBJECT THE APPLICANT TO SUCH CIVIL AND CRIMINAL PENALTIES AS PROVIDED BY LAW.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ISSUE UNTIL 10/13/77

OR UNTIL REVOKED OR SURRENDERED AND SHALL BE SUBJECT TO ALL LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT.

J. H. Lewis
DISTRICT ENGINEER

Joseph W. Landers Jr.
JOSEPH W. LANDERS JR.
SECRETARY

Roger P. Stewart
ROGER P. STEWART, DIRECTOR

Joseph W. Landers Jr.
DISTRICT MANAGER

HILLSBOROUGH COUNTY ENVIRONMENTAL PROTECTION COMMISSION

BEST AVAILABLE COPY
OPERATION PERMIT CONDITIONS
FOR AIR POLLUTION SOURCES

Permit No.: AO 29-2446

Date: 10/13/75

- (X) 1. Fugitive dusts, odors and other pollutants from all sources shall be effectively controlled or eliminated by suitable means. (Chapter 17-2.04 (5)(4)(5))
- (X) 2. The pollution control equipment shall be maintained and operated in such a manner that all emissions will be in compliance with applicable rules and regulations of the DER. A log of maintenance activities shall be kept and available for DER review. (Chapter 17-2.03 (7))
- (X) 3. Report any problems encountered in the operation of the source that may result in discharge of pollutants in amounts higher than permitted herein. Cease operation forthwith unless permission has been obtained from the regional office of the DER to operate the source for an interim period. (Chapter 17-4.13)
- (X) 4. This permit is issued on the basis of the data submitted in the application and the existing requirements of this agency as set forth in Chapter 17-2 (revised January 18, 1972) Florida Administrative Code. The owner shall obtain written permission from the DER before making changes in the operation of the source (i.e. higher production rate, different raw materials and fuels, etc.) that may increase the quantity of pollutants or change their composition. (Chapter 17-2.01)
- (X) 5. This permit is not transferable. Upon the sale or legal transfer of the source covered by this permit, the new owner must apply by letter for a transfer of this permit within thirty days. (Chapter 17-4.12)
- (X) 6. Test the emissions for the following pollutant(s) at intervals of **SIX MONTHS** from the date of this permit and submit two copies of test results to the District engineer of this agency within fifteen days of such testing. (Chapter 17-2.07 (1))
- | | |
|-------------------------------------|---------------------|
| (X) CARBON MONOXIDE (ONE TIME ONLY) | () Sulfur Oxides |
| () Particulates | () Nitrogen Oxides |
| () Fluorides | () Hydrocarbons |
| (X) Plume Density | |
- (X) 7. Provide such sampling and testing facilities as may be necessary for the proper determination of the nature and quantity of air pollutants emitted from this source. (Chapter 17-2.07)
- () 8. Identify the pollution source and/or control equipment by its manufacturer, model number, serial number, capacity, and any other pertinent information. Submit this information on or before
- (X) 9. There shall be no discharge of liquid effluents or contaminate run-off from this site.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

OPERATION PERMIT

FOR FLORIDA STEEL CORPORATION

P. O. BOX 23328

TAMPA, FLA 33622

PERMIT NO. 20-222-146 DATE OF ISSUE 10/13/75

PURSUANT TO THE PROVISIONS OF SECTIONS 403.061(16) AND 403.707 OF CHAPTER 403 FLORIDA STATUTES AND CHAPTERS 17-4 AND 17-7 FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:

ROBERT J. BODEMAN, MANAGER, TAMPA STEEL MILL DIVISION

FOR THE OPERATION OF THE FOLLOWING:

ELECTRIC ARC FURNACE NO. 4.

Subject to attached Conditions of Approval, Numbers

1, 2, 3, 4, 5, 6, 7 and 9

LOCATED AT 7105 EAST SIXTH AVENUE, TAMPA

UTM: 17-364-6-E - 3094-2-N

IN ACCORDANCE WITH THE APPLICATION DATED 8/26/75

ANY CONDITIONS OR PROVISOS WHICH ARE ATTACHED HERETO ARE INCORPORATED INTO AND MADE A PART OF THIS PERMIT AS THOUGH FULLY SET FORTH HEREIN. FAILURE TO COMPLY WITH SAID CONDITIONS OR PROVISOS SHALL CONSTITUTE A VIOLATION OF THIS PERMIT AND SHALL SUBJECT THE APPLICANT TO SUCH CIVIL AND CRIMINAL PENALTIES AS PROVIDED BY LAW.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ISSUE UNTIL 10/13/77

OR UNTIL REVOKED OR SURRENDERED AND SHALL BE SUBJECT TO ALL LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT.

J. H. Kerne
DISTRICT ENGINEER

Joseph W. Landers Jr.
JOSEPH W. LANDERS, JR.
SECRETARY

Roger P. Stewart

ROGER P. STEWART, DIRECTOR
HILLSBOROUGH COUNTY ENVIRONMENTAL PROTECTION COMMISSION

DISTRICT MANAGER

OPERATION PERMIT CONDITIONS
FOR AIR POLLUTION SOURCES

BEST AVAILABLE COPY

Permit No.: AO 29-2446

Date 10/13/75

- (X) 1. Fugitive dusts, odors and other pollutants from all sources shall be effectively controlled or eliminated by suitable means. (Chapter 17-2.04 (3)(4)(5))
- (X) 2. The pollution control equipment shall be maintained and operated in such a manner that all emissions will be in compliance with applicable rules and regulations of the DER. A log of maintenance activities shall be kept and available for DER review. (Chapter 17-2.03 (7))
- (X) 3. Report any problems encountered in the operation of the source that may result in discharge of pollutants in amounts higher than permitted herein. Cease operation forthwith unless permission has been obtained from the regional office of the DER to operate the source for an interim period. (Chapter 17-4.13)
- (X) 4. This permit is issued on the basis of the data submitted in the application and the existing requirements of this agency as set forth in Chapter 17-2 (revised January 18, 1972) Florida Administrative Code. The owner shall obtain written permission from the DER before making changes in the operation of the source (i.e. higher production rate, different raw materials and fuels, etc.) that may increase the quantity of pollutants or change their composition. (Chapter 17-2.01)
- (X) 5. This permit is not transferable. Upon the sale or legal transfer of the source covered by this permit, the new owner must apply by letter for a transfer of this permit within thirty days. (Chapter 17-4.12)
- (X) 6. Test the emissions for the following pollutant(s) at intervals of SIX MONTHS from the date of this permit and submit two copies of test results to the District engineer of this agency within fifteen days of such testing. (Chapter 17-2.07 (1))
 - (X) CARBON MONOXIDE (ONE TIME ONLY)
 - () Particulates
 - () Fluorides
 - (X) Plume Density
 - () Sulfur Oxides
 - () Nitrogen Oxides
 - () Hydrocarbons
- (X) 7. Provide such sampling and testing facilities as may be necessary for the proper determination of the nature and quantity of air pollutants emitted from this source. (Chapter 17-2.07)
- () 8. Identify the pollution source and/or control equipment by its manufacturer, model number, serial number, capacity, and any other pertinent information. Submit this information on or before
- (X) 9. There shall be no discharge of liquid effluents or contaminate run-off from this site.

DEPARTMENT OF ENVIRONMENTAL REGULATION

DER
FEB 6 1986

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610

August 29, 1985

BAOM
BOB GRAHAM
GOVERNORVICTORIA J. TSCHINKEL
SECRETARYRECEIVED
SEP 13 1985
DR. RICHARD D. GARRITY
DISTRICT MANAGER

Mr. Earl Hendry, Manager
Florida Steel Corporation
Tampa Steel Mill Division
Post Office Box 23328
Tampa, FL 33623

Dear Mr. Hendry:

Re: Hillsborough County - AP
Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 4

Attached is Permit No. A029-91418. Should you object to the issuance of this permit or the specific conditions of the permit, you have a right to petition for a hearing pursuant to the provisions of Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Section 17-103.155 and Rule 28-5.201, Florida Administrative Code, (copies attached) and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Regulation at 2600 Blair Stone Road, Tallahassee, Florida 32301. Petitions which are not filed in accordance with the above provisions are subject to dismissal by the Department.

In the event a formal hearing is conducted pursuant to Section 120.57(1), all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and orders, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel.

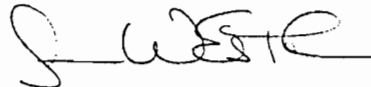
If an informal hearing is requested, the agency, in accordance with its rules of procedure, will provide affected persons or parties or their counsel an opportunity, at a convenient time and

Mr. Earl Hendry, Manager
Tampa, FL

Page Two

place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes.

Sincerely,



James Wm. Estler
Air Permitting Engineer

JWE/js

Attachment: as stated

cc: ✓ HCEPC
Robert Sholtes, Ph.D., P.E.

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

DR. RICHARD D. GARRITY
DISTRICT MANAGER

PERMITTEE:

Mr. Earl Hendry, Manager
Florida Steel Corporation
Tampa Steel Mill Division
Post Office Box 23328
Tampa, FL 33623

PERMIT/CERTIFICATION

Permit No.: A029-91418
County: Hillsborough
Expiration Date: 8/26/90
Project: Electric Arc Furnaces
Nos. 3 & 4
Baghouse No. 4

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 & 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 operation of part of a steel mill. This permit covers the operation of two electric arc furnaces (EAF) designated as Nos. 3 and 4 and the melt shop which houses the furnaces. The No. 3 furnace has a 12 1/2 foot I.D. shell manufactured by Whiting Corporation. The No. 4 furnace has a 13 1/2 foot I.D. shell manufactured by Electromelt Corporation. The total hourly permitted steel production rate is 36 tons per hour. The maximum production rates for No. 3 and No. 4 furnaces are 16 and 20 TPH respectively. Emissions from the charging, melting, and tapping of each furnace are ducted to 4 baghouse systems. This permit specifically covers the operation of a 160,000 ACFM, 9-cell Fuller Corporation Type 6000 Baghouse designated as Baghouse No. 4 and its related ducting equipment.

Location: 7105 East Sixth Avenue, Tampa, Hillsborough County

UTM: 17-364.6 E 3092.8 N NEDS NO: 0020 Point ID: 04

Replaces Permit Nos.: A029-23327 & A029-23326

DER Form 17-1.201(5) Page 1 of 9.

PERMITTEE: Permit/Certification No.: A029-91418
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 4

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 the 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 403.712(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 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 any order from the department.

PERMITTEE: Permit/Certification No.: A029-91418
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 4

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 maybe required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purposes 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 non-compliance, 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.

PERMITTEE: Permit/Certification No.: A029-91418
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 4

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 Section 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. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401. PL 92-500)
- () 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: Permit/Certification No.: A029-91418
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 4

14. (con't)

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. Pursuant to Subsection 17-2.650(2)(c)7.b.(ii), F.A.C., maximum allowable particulate emissions from each cell of Baghouse No. 4 shall not exceed 0.01 gr./dscf and total hourly allowable particulate emissions from Baghouse No. 4 shall not exceed 8.54 pounds per hour based on a measured flow rate of 99,668 dscfm.

2. Pursuant to Subsection 17-2.650(2)(c)7.b.(ii), F.A.C., the visible emissions from each cell of Baghouse No. 4 shall not exceed 5% opacity.

3. Pursuant to Subsection 17-2.650(2)(c)7.b.(ii), F.A.C., the visible emissions from north, south, and west wings of the melt shop shall not exceed 20% opacity during the charging of either EAF Nos. 3 or 4 and 40% during tapping of either EAF Nos. 3 or 4.

PERMITTEE:

Florida Steel Corporation

Permit/Certification No.: A029-91418

Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 4

SPECIFIC CONDITIONS (con't):

4. Test the emissions for the following pollutant(s) at intervals of 12 months from the date April 8, 1985 and submit 2 copies of test data to the Air Section of the Hillsborough County Environmental Protection Commission Office within forty five days of such testing. Particulate testing shall be conducted by EPA Method 5D. All other testing procedures shall be conducted in accordance with Section 17-2.700, F.A.C.

(X) Particulates

() Fluorides

(X) Opacity **

() Sulfur Oxides

() Nitrogen Oxides

() Hydrocarbons

() Total Reduced Sulfur

** Visible emissions on this baghouse shall be evaluated for at least one half hour and shall be performed concurrently with the Method 5D test. The observer shall record the highest opacity emitting from any cell of this baghouse.

5. Testing of emissions must be accomplished within +10% of the total production rate of 36.0 tons/hr. of billet steel. The production rate shall be specified in each test result. Failure to submit the input rates or operation at conditions which do not reflect actual operating conditions may invalidate the data (Section 403.161(1)(c), Florida Statutes).

6. The Hillsborough County Environmental Protection Commission shall be notified in writing 15 days prior to compliance testing.

7. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information as per Section 17-4.14, F.A.C.

(A) Annual amount of materials and/or fuels utilized.

(B) Annual emissions (note calculation basis).

(C) Any changes in the information contained in the permit application.

Duplicate copies of all reports shall be submitted to the Hillsborough County Environmental Protection Commission.

PERMITTEE: Permit/Certification No.: A029-91418
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 4

8. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Section 17-2.610 (3), F.A.C. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions shall include but are not limited to eliminating all excessive emissions which leak through the melt shop, and utilization of wind screens when winds force excessive emissions to vent through large openings and entrance ways. For purposes of this Specific Condition, excessive emissions are emissions in excess of those allowed in Specific Condition 3 of this permit.

9. An application to renew this operating permit shall be submitted to the Hillsborough County Environmental Protection Commission 60 days prior to expiration date of this permit.

10. Pursuant to Chapter 1-3.03, IV, of the Rules of the Hillsborough County Environmental Protection Commission and Section 17-2.620(2), F.A.C., the permittee shall not allow the discharge of air pollutants which contribute to an objectionable odor.

11. Operation and Maintenance Plan for Particulate Control (Section 17-2.650(2), F.A.C.)

A. Process Parameters:

1. Source Designator: EAF Nos. 3 and 4
2. Baghouse Manufacturer: Fuller Corporation
3. Model Name and Number: 6000
4. Design Flow Rate: 160,000 ACFM at 275°F
5. Efficiency Rating at Design Capacity: 98.9%
6. Pressure Drop: 2.5 to 5 inches H₂O
7. Air to Cloth Ratio: 2.95:1
8. Bag Weave: 3x2 Twill
9. Bag Material: Nomex
10. Bag Cleaning conditions, mechanical shaking; Motor Current: 1.95 amps
11. Bag Cleaning Period: Duration: 30-60 seconds
Frequency: 45 minutes
Delay Periods: Close Dwell-25 sec.,
Settle-45 sec.
12. Gas flow rate: 11,075 scfm per cell
13. Gas temperatures: inlet; 150-400°F; outlet; 150-400°F
14. Stack Height above ground: 40 ft. for each of 9 stacks
15. Exit Diameter: 2'x3' rectangular stack for each
16. Exit Velocity: 31 fps

PERMITTEE: Permit/Certification No.: A029-91418
 Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
 Baghouse No. 4

SPECIFIC CONDITIONS (con't):

- 17. Water Vapor Content: 1-2%
- 18. Process controlled by collection system: Charging, Melting, and Tapping of EAF Nos. 3 & 4
- 19. Production Rate: 36,700 lbs./hr. per furnace
- 20. Maximum Heat Input Rate: 22,816 MMBTU/hr.
- 21. Operation Schedule: 24 hrs./day; 7 days/wk.; 52 wks./yr.
- 22. Maximum Allowable Particulate Emission Rates: 8.54 lbs./hr., 205 lbs./day, 37.4 TPY

B. The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

| <u>Daily</u> | <u>Documented</u> | <u>Included in Daily Routine</u> |
|---|-------------------|----------------------------------|
| 1. Check pressure drop | X | |
| 2. Visually observe discharge ducts for evidence of compartment leaks, etc. | X | |
| 3. Check gas flow rate, using installed recording system | X | |
| 4. Check inlet temperature | X | |
| 5. Check Drive Motor Amperes | X | |
| 6. Check gas cleaning cycle | | X |
| 7. System walk through | | X |
| 8. Scan all instruments on control panel | | X |
| 9. Check operation of dust removal system | | X |
| 10. Check dampers for proper operation | | X |
| 11. Check side draft hoods for proper repair and operation | | X |
| 12. Check bags for proper condition and leaks | | X |
| 13. Check door seals | | X |
| 14. Check condition of duct work | | X |
| 15. Check main blower load as shown by ammeter | X | |
| 16. Check shaker mechanism(s) | | X |
| 17. Check ducts for dust build-up and leaks | | X |
| 18. Check all bolts, welds, structure for wear or fatigue | | X |


PERMITTEE: Permit/Certification No.: A029-91418
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 4

SPECIFIC CONDITIONS (con't):

12. Pursuant to Section 17-2.250(6), F.A.C., excess emissions resulting from the malfunction or breakdown of a source or any related pollution control equipment shall be reported to the Hillsborough County Environmental Protection Commission in a quarterly report and shall be submitted no later than 30 days from the end of each calendar quarter. The report and prior notification requirements of each occurrence shall comply with the requirements of Section 17-4.13, F.A.C. and General Condition 8 of this permit.

Issued this 19 day of Aug.
1986

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION


Richard D. Garrity Ph.D.
District Manager

DEPARTMENT OF ENVIRONMENTAL REGULATION FEB 6 1986

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610



BAQM

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

DR. RICHARD D. GARRITY
DISTRICT MANAGER

August 29, 1985

RECEIVED
SEP 18 1985

Mr. Earl Hendry, Manager
Florida Steel Corporation
Tampa Steel Mill Division
Post Office Box 23328
Tampa, FL 33623

Dear Mr. Hendry:

Re: Hillsborough County - AP
Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 1

Attached is Permit No. A029-92513. Should you object to the issuance of this permit or the specific conditions of the permit, you have a right to petition for a hearing pursuant to the provisions of Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Section 17-103.155 and Rule 28-5.201, Florida Administrative Code, (copies attached) and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Regulation at 2600 Blair Stone Road, Tallahassee, Florida 32301. Petitions which are not filed in accordance with the above provisions are subject to dismissal by the Department.

In the event a formal hearing is conducted pursuant to Section 120.57(1), all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and orders, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel.

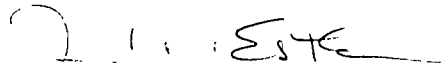
If an informal hearing is requested, the agency, in accordance with its rules of procedure, will provide affected persons or parties or their counsel an opportunity, at a convenient time and

Mr. Earl Hendry, Manager
Tampa, FL

Page Two

place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes.

Sincerely,



James Wm. Estler
Air Permitting Engineer

JWE/js

Attachment: as stated

cc: ✓ HCEPC
Robert Sholtes, Ph.D., P.E.

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

DR. RICHARD D. GARRITY
DISTRICT MANAGER

PERMITTEE:

Mr. Earl Hendry, Manager
Florida Steel Corporation
Tampa Steel Mill Division
Post Office Box 23328
Tampa, FL 33623

PERMIT/CERTIFICATION

Permit No.: A029-92513
County: Hillsborough
Expiration Date: 8/26/90
Project: Electric Arc Furnaces
Nos. 3 & 4
Baghouse No. 1

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 & 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 operation of part of a steel mill. This permit covers the operation of two electric arc furnaces (EAF) designated as Nos. 3 and 4 and the melt shop which houses the furnaces. The No. 3 furnace has a 12 1/2 foot I.D. shell manufactured by Whiting Corporation. The No. 4 furnace has a 13 1/2 foot I.D. shell manufactured by Electromelt Corporation. The total hourly permitted steel production rate is 36 tons per hour. The maximum production rates for No. 3 and No. 4 furnaces are 16 and 20 TPH respectively. Emissions from the charging, melting, and tapping of each furnace are ducted to 4 baghouse systems. This permit specifically covers the operation of a 55,000 ACFM, 4-cell Wheelabrator Dustube Model 168 Baghouse designated as Baghouse No. 1 and its related ducting equipment.

Location: 7105 East Sixth Avenue, Tampa, Hillsborough County

UTM: 17-364.6 E 3092.8 N NEDS NO: 0020 Point ID: 01

Replaces Permit Nos.: A029-23327 & A029-23326

DER Form 17-1.201(7) Page 1 of 9.

PERMITTEE: Permit/Certification No.: A029-92513
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 1

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 the enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
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3. As provided in Subsections 403.087(6) and 403.712(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 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.
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PERMITTEE: Permit/Certification No.: A029-92513
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 1

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 maybe required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purposes 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 non-compliance, 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.

PERMITTEE: Permit/Certification No.: A029-92513
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 1

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 Section 403.73 and 403.111, Florida Statutes.

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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. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401. PL 92-500)
- () 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: Permit/Certification No.: A029-92513
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 1

14. (con't)

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. Pursuant to Subsection 17-2.650(2)(c)7.b.(ii), F.A.C., maximum allowable particulate emissions from each cell of Baghouse No. 1 shall not exceed 0.01 gr./dscf and total hourly allowable particulate emissions from Baghouse No. 1 shall not exceed 3.13 pounds per hour based on a measured flow rate of 36,562 dscfm.
2. Pursuant to Subsection 17-2.650(2)(c)7.b.(ii), F.A.C., the visible emissions from each cell of Baghouse No. 1 shall not exceed 5% opacity.
3. Pursuant to Subsection 17-2.650(2)(c)7.b.(ii), F.A.C., the visible emissions from north, south, and west wings of the melt shop shall not exceed 20% opacity during the charging of either EAF Nos. 3 or 4 and 40% during tapping of either EAF Nos. 3 or 4.

PERMITTEE: Permit/Certification No.: A029-92513
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 1

SPECIFIC CONDITIONS (con't):

4. Test the emissions for the following pollutant(s) at intervals of 12 months from the date April 8, 1985 and submit 2 copies of test data to the Air Section of the Hillsborough County Environmental Protection Commission Office within forty five days of such testing. Particulate testing shall be conducted by EPA Method 5D. All other testing procedures shall be conducted in accordance with Section 17-2.700, F.A.C.

| | |
|------------------|--------------------------|
| (X) Particulates | () Sulfur Oxides |
| () Fluorides | () Nitrogen Oxides |
| (X) Opacity ** | () Hydrocarbons |
| | () Total Reduced Sulfur |

** Visible emissions on this baghouse shall be evaluated for at least one half hour and shall be performed concurrently with the Method 5D test. The observer shall record the highest opacity emitting from any cell of this baghouse.

5. Test the north, south, and west wing of the melt shop for visible emissions at intervals of 12 months from April 8, 1985. Pursuant to Subsection 17-2.700(1)(d)1.b.(i), F.A.C., the EPA Method #9 test interval on each wing shall be at least 12 minutes. Two copies of the test data shall be submitted to the Air Section of the Hillsborough County Environmental Protection Commission within 45 days of testing.

6. Testing of emissions must be accomplished within $\pm 10\%$ of the total production rate of 36.0 tons/hr. of billet steel. The production rate shall be specified in each test result. Failure to submit the input rates or operation at conditions which do not reflect actual operating conditions may invalidate the data (Section 403.161(1)(c), Florida Statutes).

7. The Hillsborough County Environmental Protection Commission shall be notified in writing 15 days prior to compliance testing.

8. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information as per Section 17-4.14, F.A.C.

- (A) Annual amount of materials and/or fuels utilized.
- (B) Annual emissions (note calculation basis).
- (C) Any changes in the information contained in the permit application.

Duplicate copies of all reports shall be submitted to the Hillsborough County Environmental Protection Commission.

PERMITTEE: Permit/Certification No.: A029-92513
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 1

9. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Section 17-2.610 (3), F.A.C. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions shall include but are not limited to eliminating all excessive emissions which leak through the melt shop, and utilization of wind screens when winds force excessive emissions to vent through large openings and entrance ways. For purposes of this Specific Condition, excessive emissions are emissions in excess of those allowed in Specific Condition 3 of this permit.

10. An application to renew this operating permit shall be submitted to the Hillsborough County Environmental Protection Commission 60 days prior to expiration date of this permit.

11. Pursuant to Chapter 1-3.03, IV, of the Rules of the Hillsborough County Environmental Protection Commission and Section 17-2.620(2), F.A.C., the permittee shall not allow the discharge of air pollutants which contribute to an objectionable odor.

12. Operation and Maintenance Plan for Particulate Control (Section 17-2.650(2), F.A.C.)

A. Process Parameters:

1. Source Designator: EAF Nos. 3 and 4
2. Baghouse Manufacturer: Wheelabrator Corporation
3. Model Name and Number: Dustube Model 168
4. Design Flow Rate: 55,000 ACFM at 150°F
5. Efficiency Rating at Design Capacity: 99.0%
6. Pressure Drop: 3 to 5 inches H₂O
7. Air to Cloth Ratio: 2.54:1
8. Bag Weave: 3x1 Twill
9. Bag Material: Combination Dacron
10. Bag Cleaning conditions, mechanical shaking; Motor Current:
1.95 amps
11. Bag Cleaning Period: Duration: 30-60 seconds
Frequency: 45 minutes
Delay Periods: Close Dwell-25 sec.,
Settle-45 sec.
12. Gas flow rate: 9141 scfm per cell
13. Gas temperatures: inlet; 100-150°F; outlet; 95.6°F
14. Stack Height above ground: 40 ft.
15. Exit Diameter: 4 Rectangular Stacks each with Dimensions of
3'x2'
16. Exit Velocity: 25.4 fps

PERMITTEE: Permit/Certification No.: A029-92513
 Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
 Baghouse No. 1

SPECIFIC CONDITIONS (con't):

- 17. Water Vapor Content: 1-2%
- 18. Process controlled by collection system: Charging, Melting, and Tapping of EAF Nos. 3 & 4
- 19. Production Rate: 36,700 lbs./hr. per furnace
- 20. Maximum Heat Input Rate: 22,816 MMBTU/hr.
- 21. Operation Schedule: 24 hrs./day; 7 days/wk.; 52 wks./yr.
- 22. Maximum Allowable Particulate Emission Rates: 3.13 lbs./hr., 75.12 lbs./day, 13.7 TPY

B. The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

| <u>Daily</u> | <u>Documented</u> | <u>Included in Daily Routine</u> |
|---|-------------------|----------------------------------|
| 1. Check pressure drop | X | |
| 2. Visually observe discharge ducts for evidence of compartment leaks, etc. | X | |
| 3. Check gas flow rate, using installed recording system | X | |
| 4. Check inlet temperature | X | |
| 5. Check Drive Motor Amperes | X | |
| 6. Check gas cleaning cycle | | X |
| 7. System walk through | | X |
| 8. Scan all instruments on control panel | | X |
| 9. Check operation of dust removal system | | X |
| 10. Check dampers for proper operation | | X |
| 11. Check side draft hoods for proper repair and operation | | X |
| 12. Check bags for proper condition and leaks | | X |
| 13. Check door seals | | X |
| 14. Check condition of duct work | | X |
| 15. Check main blower load as shown by ammeter | X | |
| 16. Check shaker mechanism(s) | | X |
| 17. Check ducts for dust build-up and leaks | | X |
| 18. Check all bolts, welds, structure for wear or fatigue | | X |

PERMITTEE: Permit/Certification No.: A029-92513
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 1

SPECIFIC CONDITIONS (con't):

13. Pursuant to Section 17-2.250(6), F.A.C., excess emissions resulting from the malfunction or breakdown of a source or any related pollution control equipment shall be reported to the Hillsborough County Environmental Protection Commission in a quarterly report and shall be submitted no later than 30 days from the end of each calendar quarter. The report and prior notification requirements of each occurrence shall comply with the requirements of Section 17-4.13, F.A.C. and General Condition 8 of this permit.

Issued this 29 day of Aug
1985.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION



Richard D. Garrity, Ph.D.
District Manager

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610BOB GRAHAM
GOVERNORVICTORIA J. TSCHINKEL
SECRETARYDR. RICHARD D. GARRITY
DISTRICT MANAGER

August 29, 1985

Mr. Earl Hendry, Manager
Florida Steel Corporation
Tampa Steel Mill Division
Post Office Box 23328
Tampa, FL 33623

RECEIVED
SEP 18 1985
W. J. ...

DER

FEB 6 1986

BAQM

Dear Mr. Hendry:

Re: Hillsborough County - AP
Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 2

Attached is Permit No. A029-108747. Should you object to the issuance of this permit or the specific conditions of the permit, you have a right to petition for a hearing pursuant to the provisions of Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Section 17-103.155 and Rule 28-5.201, Florida Administrative Code, (copies attached) and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Regulation at 2600 Blair Stone Road, Tallahassee, Florida 32301. Petitions which are not filed in accordance with the above provisions are subject to dismissal by the Department.

In the event a formal hearing is conducted pursuant to Section 120.57(1), all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and orders, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel.

If an informal hearing is requested, the agency, in accordance with its rules of procedure, will provide affected persons or parties or their counsel an opportunity, at a convenient time and

Mr. Earl Hendry, Manager
Tampa, FL

Page Two

place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes.

Sincerely,



James Wm. Estler
Air Permitting Engineer

JWE/js

Attachment: as stated

cc: ~~HCEPC~~
Robert Sholtes, Ph.D., P.E.

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

DR. RICHARD D. GARRITY
DISTRICT MANAGER

PERMITTEE:

Mr. Earl Hendry, Manager
Florida Steel Corporation
Tampa Steel Mill Division
Post Office Box 23328
Tampa, FL 33623

PERMIT/CERTIFICATION

Permit No.: A029-108747
County: Hillsborough
Expiration Date: 8/26/90
Project: Electric Arc Furnaces
Nos. 3 & 4
Baghouse No. 2

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 & 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 operation of part of a steel mill. This permit covers the operation of two electric arc furnaces (EAF) designated as Nos. 3 and 4 and the melt shop which houses the furnaces. The No. 3 furnace has a 12 1/2 foot I.D. shell manufactured by Whiting Corporation. The No. 4 furnace has a 13 1/2 foot I.D. shell manufactured by Electromelt Corporation. The total hourly permitted steel production rate is 36 tons per hour. The maximum production rates for No. 3 and No. 4 furnaces are 16 and 20 TPH respectively. Emissions from the charging, melting, and tapping of each furnace are ducted to 4 baghouse systems. This permit specifically covers the operation of a 91,000 ACFM, 5-cell Wheelabrator-Frye LP1622, Model 171, Series 5S Baghouse designated as Baghouse No. 2 and its related ducting equipment.

Location: 7105 East Sixth Avenue, Tampa, Hillsborough County

UTM: 17-364.6 E 3092.8 N NEDS NO: 0020 Point ID: 02

Replaces Permit Nos.: A029-23327 & A029-23326

DER Form 17-1.201(5) Page 1 of 9.

PERMITTEE: Permit/Certification No.: A029-108747
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 2

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 the 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 403.712(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 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 any order from the department.

PERMITTEE: Permit/Certification No.: A029-108747
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 2

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 maybe required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purposes 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 non-compliance, 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.

PERMITTEE: Permit/Certification No.: A029-108747
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 2

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 Section 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. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401. PL 92-500)
- () 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: Permit/Certification No.: A029-108747
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 2

14. (con't)

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. Pursuant to Subsection 17-2.650(2)(c)7.b.(ii), F.A.C., maximum allowable particulate emissions from each cell of Baghouse No. 2 shall not exceed 0.01 gr./dscf and total hourly allowable particulate emissions from Baghouse No. 2 shall not exceed 5.4 pounds per hour based on a measured flow rate of 62,569 dscfm.
2. Pursuant to Subsection 17-2.650(2)(c)7.b.(ii), F.A.C., the visible emissions from each cell of Baghouse No. 2 shall not exceed 5% opacity.
3. Pursuant to Subsection 17-2.650(2)(c)7.b.(ii), F.A.C., the visible emissions from north, south, and west wings of the melt shop shall not exceed 20% opacity during the charging of either EAF Nos. 3 or 4 and 40% during tapping of either EAF Nos. 3 or 4.

PERMITTEE: Permit/Certification No.: A029-108747
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 2

SPECIFIC CONDITIONS (con't):

4. Test the emissions for the following pollutant(s) at intervals of 12 months from the date April 8, 1985 and submit 2 copies of test data to the Air Section of the Hillsborough County Environmental Protection Commission Office within forty five days of such testing. Particulate testing shall be conducted by EPA Method 5D. All other testing procedures shall be conducted in accordance with Section 17-2.700, F.A.C.

(X) Particulates () Sulfur Oxides
() Fluorides () Nitrogen Oxides
(X) Opacity ** () Hydrocarbons
() Total Reduced Sulfur

** Visible emissions on this baghouse shall be evaluated for at least one half hour and shall be performed concurrently with the Method 5D test. The observer shall record the highest opacity emitting from any cell of this baghouse.

5. Testing of emissions must be accomplished within $\pm 10\%$ of the total production rate of 36.0 tons/hr. of billet steel. The production rate shall be specified in each test result. Failure to submit the input rates or operation at conditions which do not reflect actual operating conditions may invalidate the data (Section 403.161(1)(c), Florida Statutes).

6. The Hillsborough County Environmental Protection Commission shall be notified in writing 15 days prior to compliance testing.

7. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information as per Section 17-4.14, F.A.C.

- (A) Annual amount of materials and/or fuels utilized.
- (B) Annual emissions (note calculation basis).
- (C) Any changes in the information contained in the permit application.

Duplicate copies of all reports shall be submitted to the Hillsborough County Environmental Protection Commission.

PERMITTEE: Permit/Certification No.: A029-108747
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 2

8. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Section 17-2.610 (3), F.A.C. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions shall include but are not limited to eliminating all excessive emissions which leak through the melt shop, and utilization of wind screens when winds force excessive emissions to vent through large openings and entrance ways. For purposes of this Specific Condition, excessive emissions are emissions in excess of those allowed in Specific Condition 3 of this permit.

9. An application to renew this operating permit shall be submitted to the Hillsborough County Environmental Protection Commission 60 days prior to expiration date of this permit.

10. Pursuant to Chapter 1-3.03, IV, of the Rules of the Hillsborough County Environmental Protection Commission and Section 17-2.620(2), F.A.C., the permittee shall not allow the discharge of air pollutants which contribute to an objectionable odor.

11. Operation and Maintenance Plan for Particulate Control (Section 17-2.650(2), F.A.C.)

A. Process Parameters:

1. Source Designator: EAF Nos. 3 and 4
2. Baghouse Manufacturer: Wheelabrator-Frye
3. Model Name and Number: LP1622, Model 171, Series 5S
4. Design Flow Rate: 91,000 ACFM at 275°F
5. Efficiency Rating at Design Capacity: 99.0%
6. Pressure Drop: 4 to 8 inches H₂O
7. Air to Cloth Ratio: 2.69:1
8. Bag Weave: 3x1 Twill
9. Bag Material: Nomex
10. Bag Cleaning conditions, mechanical shaking; Motor Current: 1.95 amps
11. Bag Cleaning Period: Duration: 30-60 seconds
Frequency: 45 minutes
Delay Periods: Close Dwell-25 sec.,
Settle-45 sec.
12. Gas flow rate: 12,513 scfm per cell
13. Gas temperatures: inlet; 150-400°F; outlet; 150-400°F
14. Stack Height above ground: 40 ft. for each
15. Exit Diameter: 2 ft. for each of five stacks
16. Exit Velocity: 66 fps

PERMITTEE: Permit/Certification No.: A029-108747
 Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
 Baghouse No. 2

SPECIFIC CONDITIONS (con't):

- 17. Water Vapor Content: 1-2%
- 18. Process controlled by collection system: Charging, Melting, and Tapping of EAF Nos. 3 & 4
- 19. Production Rate: 36,700 lbs./hr. per furnace
- 20. Maximum Heat Input Rate: 22,816 MMBTU/hr.
- 21. Operation Schedule: 24 hrs./day; 7 days/wk.; 52 wks./yr.
- 22. Maximum Allowable Particulate Emission Rates: 5.4 lbs./hr., 130 lbs./day, 23.6 TPY

B. The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

| <u>Daily</u> | <u>Documented</u> | <u>Included in Daily Routine</u> |
|---|-------------------|--------------------------------------|
| 1. Check pressure drop | X | |
| 2. Visually observe discharge ducts for evidence of compartment leaks, etc. | X | |
| 3. Check gas flow rate, using installed recording system | X | |
| 4. Check inlet temperature | X | |
| 5. Check Drive Motor Amperes | X | |
| 6. Check gas cleaning cycle | | X |
| 7. System walk through | | X |
| 8. Scan all instruments on control panel | | X |
| 9. Check operation of dust removal system | | X |
| 10. Check dampers for proper operation | | X |
| 11. Check side draft hoods for proper repair and operation | | X |
| 12. Check bags for proper condition and leaks | | X |
| 13. Check door seals | | X |
| 14. Check condition of duct work | | X |
| 15. Check main blower load as shown by ammeter | X | |
| 16. Check shaker mechanism(s) | | X |
| 17. Check ducts for dust build-up and leaks | | X |
| 18. Check all bolts, welds, structure for wear or fatigue | | X |

PERMITTEE: Permit/Certification No.: A029-108747
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 2

SPECIFIC CONDITIONS (con't):

12. Pursuant to Section 17-2.250(6), F.A.C., excess emissions resulting from the malfunction or breakdown of a source or any related pollution control equipment shall be reported to the Hillsborough County Environmental Protection Commission in a quarterly report and shall be submitted no later than 30 days from the end of each calendar quarter. The report and prior notification requirements of each occurrence shall comply with the requirements of Section 17-4.13, F.A.C. and General Condition 8 of this permit.

Issued this 29 day of Aug
1981.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION



Richard D. Garrity, Ph.D.
District Manager

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

DR. RICHARD D. GARRITY
DISTRICT MANAGER

August 29, 1985

Mr. Earl Hendry, Manager
Florida Steel Corporation
Tampa Steel Mill Division
Post Office Box 23328
Tampa, FL 33623

DER
FEB 6 1986
BAQM

Dear Mr. Hendry:

Re: Hillsborough County - AP
Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 3

Attached is Permit No. A029-108748. Should you object to the issuance of this permit or the specific conditions of the permit, you have a right to petition for a hearing pursuant to the provisions of Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Section 17-103.155 and Rule 28-5.201, Florida Administrative Code, (copies attached) and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Regulation at 2600 Blair Stone Road, Tallahassee, Florida 32301. Petitions which are not filed in accordance with the above provisions are subject to dismissal by the Department.

In the event a formal hearing is conducted pursuant to Section 120.57(1), all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and orders, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel.

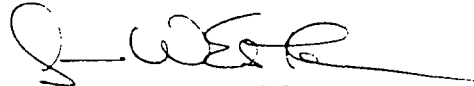
If an informal hearing is requested, the agency, in accordance with its rules of procedure, will provide affected persons or parties or their counsel an opportunity, at a convenient time and

Mr. Earl Hendry, Manager
Tampa, FL

Page Two

place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes.

Sincerely,



James Wm. Estler
Air Permitting Engineer

JWE/js

Attachment: as stated

cc: HCEPC
Robert Sholtes, Ph.D., P.E.

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

DR. RICHARD D. GARRITY
DISTRICT MANAGER

PERMITTEE:

Mr. Earl Hendry, Manager
Florida Steel Corporation
Tampa Steel Mill Division
Post Office Box 23328
Tampa, FL 33623

PERMIT/CERTIFICATION

Permit No.: A029-108748
County: Hillsborough
Expiration Date: 8/26/90
Project: Electric Arc Furnaces
Nos. 3 & 4
Baghouse No. 3

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 & 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 operation of part of a steel mill. This permit covers the operation of two electric arc furnaces (EAF) designated as Nos. 3 and 4 and the melt shop which houses the furnaces. The No. 3 furnace has a 12 1/2 foot I.D. shell manufactured by Whiting Corporation. The No. 4 furnace has a 13 1/2 foot I.D. shell manufactured by Electromelt Corporation. The total hourly permitted steel production rate is 36 tons per hour. The maximum production rates for No. 3 and No. 4 furnaces are 16 and 20 TPH respectively. Emissions from the charging, melting, and tapping of each furnace are ducted to 4 baghouse systems. This permit specifically covers the operation of a 100,000 ACFM, 7-cell Wheelabrator-Frye 36, Model 168 Baghouse designated as Baghouse No. 3 and its related ducting equipment.

Location: 7105 East Sixth Avenue, Tampa, Hillsborough County

UTM: 17-364.6 E 3092.8 N NEDS NO: 0020 Point ID: 03

Replaces Permit Nos.: A029-23327 & A029-23326

DER Form 17-1.201(5) Page 1 of 9.

PERMITTEE: Permit/Certification No.: A029-108748
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 3

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 the 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 403.712(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 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 any order from the department.

PERMITTEE: Permit/Certification No.: A029-108748
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 3

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 rule. 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 maybe required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purposes 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 non-compliance, 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.

PERMITTEE: Permit/Certification No.: A029-108748
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 3

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 Section 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. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401. PL 92-500)
- () 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: Permit/Certification No.: A029-108748
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 3

14. (con't)

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. Pursuant to Subsection 17-2.650(2)(c)7.b.(ii), F.A.C., maximum allowable particulate emissions from each cell of Baghouse No. 3 shall not exceed 0.01 gr./dscf and total hourly allowable particulate emissions from Baghouse No. 3 shall not exceed 5.5 pounds per hour based on a measured flow rate of 64,639 dscfm.

2. Pursuant to Subsection 17-2.650(2)(c)7.b.(ii), F.A.C., the visible emissions from each cell of Baghouse No. 3 shall not exceed 5% opacity.

3. Pursuant to Subsection 17-2.650(2)(c)7.b.(ii), F.A.C., the visible emissions from north, south, and west wings of the melt shop shall not exceed 20% opacity during the charging of either EAF Nos. 3 or 4 and 40% during tapping of either EAF Nos. 3 or 4.

PERMITTEE: Florida Steel Corporation Permit/Certification No.: A029-108748
Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 3

SPECIFIC CONDITIONS (con't):

4. Test the emissions for the following pollutant(s) at intervals of 12 months from the date April 8, 1985 and submit 2 copies of test data to the Air Section of the Hillsborough County Environmental Protection Commission Office within forty five days of such testing. Particulate testing shall be conducted by EPA Method 5D. All other testing procedures shall be conducted in accordance with Section 17-2.700, F.A.C.

- | | |
|------------------|--------------------------|
| (X) Particulates | () Sulfur Oxides |
| () Fluorides | () Nitrogen Oxides |
| (X) Opacity ** | () Hydrocarbons |
| | () Total Reduced Sulfur |

** Visible emissions on this baghouse shall be evaluated for at least one half hour and shall be performed concurrently with the Method 5D test. The observer shall record the highest opacity emitting from any cell of this baghouse.

5. Testing of emissions must be accomplished within $\pm 10\%$ of the total production rate of 36.0 tons/hr. of billet steel. The production rate shall be specified in each test result. Failure to submit the input rates or operation at conditions which do not reflect actual operating conditions may invalidate the data (Section 403.161(1)(c), Florida Statutes).

6. The Hillsborough County Environmental Protection Commission shall be notified in writing 15 days prior to compliance testing.

7. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information as per Section 17-4.14, F.A.C.

- (A) Annual amount of materials and/or fuels utilized.
- (B) Annual emissions (note calculation basis).
- (C) Any changes in the information contained in the permit application.

Duplicate copies of all reports shall be submitted to the Hillsborough County Environmental Protection Commission.

PERMITTEE:

Permit/Certification No.: A029-108748
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 3

8. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Section 17-2.610 (3), F.A.C. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions shall include but are not limited to eliminating all excessive emissions which leak through the melt shop, and utilization of wind screens when winds force excessive emissions to vent through large openings and entrance ways. For purposes of this Specific Condition, excessive emissions are emissions in excess of those allowed in Specific Condition 3 of this permit.

9. An application to renew this operating permit shall be submitted to the Hillsborough County Environmental Protection Commission 60 days prior to expiration date of this permit.

10. Pursuant to Chapter 1-3.03, IV, of the Rules of the Hillsborough County Environmental Protection Commission and Section 17-2.620(2), F.A.C., the permittee shall not allow the discharge of air pollutants which contribute to an objectionable odor.

11. Operation and Maintenance Plan for Particulate Control (Section 17-2.650(2), F.A.C.)

A. Process Parameters:

1. Source Designator: EAF Nos. 3 and 4
2. Baghouse Manufacturer: Wheelabrator-Frye
3. Model Name and Number: 36 Model 168
4. Design Flow Rate: 100,000 ACFM at 275°F
5. Efficiency Rating at Design Capacity: 99.9%
6. Pressure Drop: 3 to 5 inches H₂O
7. Air to Cloth Ratio: 2.41:1
8. Bag Weave: 3x2 Twill
9. Bag Material: Nomex
10. Bag Cleaning conditions, mechanical shaking; Motor Current: 1.95 amps
11. Bag Cleaning Period: Duration: 30-60 seconds
Frequency: 45 minutes
Delay Periods: Close Dwell-25 sec.,
Settle-45 sec.
12. Gas flow rate: 12,513 scfm per cell
13. Gas temperatures: inlet; 150-400°F; outlet; 150-400°F
14. Stack Height above ground: 40 ft. for each of seven stacks
15. Exit Diameter: 6 stacks - 40"x40", 1 stack - 30" Dia.
16. Exit Velocity: 15.1 fps

PERMITTEE: Permit/Certification No.: A029-108748
 Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
 Baghouse No. 3

SPECIFIC CONDITIONS (con't):

- 17. Water Vapor Content: 1-2%
- 18. Process controlled by collection system: Charging, Melting, and Tapping of EAF Nos. 3 & 4
- 19. Production Rate: 36,700 lbs./hr. per furnace
- 20. Maximum Heat Input Rate: 22,816 MMBTU/hr.
- 21. Operation Schedule: 24 hrs./day; 7 days/wk.; 52 wks./yr.
- 22. Maximum Allowable Particulate Emission Rates: 5.54 lbs./hr, 133 lbs./day, 24.3 TPY

B. The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

| <u>Daily</u> | <u>Documented</u> | <u>Included in Daily Routine</u> |
|---|-------------------|--------------------------------------|
| 1. Check pressure drop | X | |
| 2. Visually observe discharge ducts for evidence of compartment leaks, etc. | X | |
| 3. Check gas flow rate, using installed recording system | X | |
| 4. Check inlet temperature | X | |
| 5. Check Drive Motor Amperes | X | |
| 6. Check gas cleaning cycle | | X |
| 7. System walk through | | X |
| 8. Scan all instruments on control panel | | X |
| 9. Check operation of dust removal system | | X |
| 10. Check dampers for proper operation | | X |
| 11. Check side draft hoods for proper repair and operation | | X |
| 12. Check bags for proper condition and leaks | | X |
| 13. Check door seals | | X |
| 14. Check condition of duct work | | X |
| 15. Check main blower load as shown by ammeter | X | |
| 16. Check shaker mechanism(s) | | X |
| 17. Check ducts for dust build-up and leaks | | X |
| 18. Check all bolts, welds, structure for wear or fatigue | | X |

PERMITTEE: Permit/Certification No.: A029-108748
Florida Steel Corporation Project: Electric Arc Furnaces Nos. 3 & 4
Baghouse No. 3

SPECIFIC CONDITIONS (con't):

12. Pursuant to Section 17-2.250(6), F.A.C., excess emissions resulting from the malfunction or breakdown of a source or any related pollution control equipment shall be reported to the Hillsborough County Environmental Protection Commission in a quarterly report and shall be submitted no later than 30 days from the end of each calendar quarter. The report and prior notification requirements of each occurrence shall comply with the requirements of Section 17-4.13, F.A.C. and General Condition 8 of this permit.

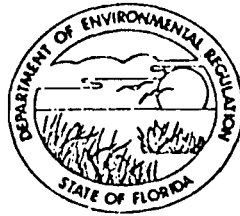
Issued this 29 day of Aug
1988.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION



Richard D. Garrity, P.E.
District Manager

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610



STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION FEB 6 1986

SOUTHWEST DISTRICT

March 7, 1979
Hillsborough County - AP

Mr. Earl Hendry, Manager
Tampa Mill Division
Florida Steel Corporation
Post Office Box 23328
Tampa, Florida 33623

RE: Air Pollution Source

Dear Sir:

We are in receipt of application to modify an air pollution source; modification of air pollution control equipment for furnaces #3 and #4 consisting of canopy hoods and added baghouse capacity at Florida Steel Corporation, Tampa Mill, 7105 E. 6th Street, Tampa, Florida, in accordance with Chapter 17-2.091 (1) (a), (b), (c), (d), (see attachment).

The attached notice "To Whom It May Concern" must be published in a local paper of the proposed construction to solicit local comment. Thirty days after the date of publication will be allowed for receipt of public comment.

Please forward proof of publication to this office.

Sincerely,

A handwritten signature in cursive script that reads "Dan A. Williams".

Dan A. Williams, P.E.
Air Permitting Supervisor

DAW/rkt

cc: Vilma Brueggemeyer ✓

BOB GRAHAM
GOVERNOR

JACOB D. VARN
SECRETARY

DAVID PUCHATY
DISTRICT MANAGER

DER

BAQM
RECEIVED

MAR 19 1979

H.C.E.P.C.

*File
Fla. Steel
Furnace #3 #4 ✓*

601 HIGHWAY 301 NORTH
AMPA, FLORIDA 33610



Bob Graham
XXXXXXXXXXXXXXXXXX
GOVERNOR
Jacob Varn
XXXXXXXXXXXXXXXXXX
SECRETARY
DAVID PUCHATY
DISTRICT MANAGER

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
SOUTHWEST DISTRICT

TO WHOM IT MAY CONCERN:

Publication Date _____

The Florida Department of Environmental Regulation has received an application for a permit to ~~construct~~ modify air pollution control equipment for furnaces #3 & #4 consisting of canopy hoods and added baghouse capacity (type of project), a source of air pollution, at 7105 East 6th Street, Tampa, Fla. (precise location)

This application has been submitted by Florida Steel Corporation pursuant to Chapter 17-2, Florida (name of applicant)

Administrative Code, of the Department's rules regarding the control emissions which may affect the maintenance of National Air Quality Standards. A BACT Determination is not required.

Copies of the aforementioned application, the technical analysis performed by the Department's staff and their proposed decision are available for public inspection at the following location(s):

The Florida Department of Environmental Regulation
Southwest District Office
7601 Highway 301 North
Tampa, Fla. 33610

Persons wishing to comment on any aspect of this action are required to submit their comments in writing to the address above within thirty (30) days of publication of this Notice.

THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL
REGULATION

or input heat when such factors are the basis for limiting standards.

(4) A person responsible for the emission of air pollutants from any source shall, upon request of the Department, provide in connection with such sources and related source operations, such sampling and testing facilities exclusive of instruments and sensing devices as set forth in the Standard Sampling Techniques and Methods of Analysis for the Determination of Air Pollutants from Point Sources, July 1975, as adopted by the Department.

(5) When the Department after investigation has good reason to believe that the provisions of this chapter concerning emission of pollutants are being violated, it may require the person responsible for the source of pollutants to conduct tests which will identify the nature and quantity of pollutant emissions from the source and to provide the results of said tests to the Department. These tests shall be carried out under the supervision of the Department, and at the expense of the person responsible for the source of pollutants.

(6) All analyses and tests shall be conducted in a manner specified by the Department. Results of analyses and tests shall be calculated and reported in a manner specified by the Department.

(7) Analyses and tests for compliance may be performed by the Department at the cost of the person responsible for the emission of air pollutants.

(8) Air Pollutant emissions shall be tested and analyzed in accordance with the Standard Sampling Techniques and Methods of Analysis for the Determination of Air Pollutants from Point Sources, July 1975, as adopted by the Department and as may be amended from time to time by the Department.

Specific Authority 403.061, 403.021, 403.031, 403.061, 403.087 FS. Law Implemented 403.021, 403.031, 403.061, 403.087 FS. History—Revised 1-18-72, Amended 1-3-78, Formerly 17-2.07, Amended 6-8-78.

17-2.09 Local Regulations. Regulations controlling air pollution may be adopted by local governmental authorities provided that such regulations shall not be in conflict herewith or that standards so adopted shall not be less stringent than those established herein.

Specific Authority 403.061, 403.182 FS. Law Implemented 403.021, 403.031, 403.081, 403.182 FS. History—Revised 1-18-72, Formerly 17-2.08, Amended 6-8-78.

17-2.091 Public Comment.

(1) Before any Department construction permit is issued for any source of air pollution, the Department shall provide an opportunity for public comment which shall include as a minimum the following:

(a) Availability for public inspection in at least one location in the district affected, the information, other than confidential records under Section 403.111, Florida Statutes, submitted by the owners or operator and the Department's analysis of the effect of such construction or modification on ambient air quality, including the Department's proposed approval or disapproval.

(b) A 30-day period for submittal of public comment; and

(c) A notice by prominent advertisement in the district affected, specifying the nature and location of the proposed source, whether BACT will be determined and the location of the information specified in Subsection (1) above.

(d) A copy of the notice provided for in Subsection (3) above shall also be sent to the Regional Office of the U.S. Environmental Protection Agency and to all other state and local air pollution control agencies having jurisdiction in the district in which such new or modified installation will be located.

(e) A copy of the notice shall be displayed in the appropriate District, Subdistrict, Branch and Local Program Offices.

Specific Authority 403.061 FS. Law Implemented 403.021, 403.031, 403.061 FS. History—New 11-21-73, Formerly 17-2.09, Amended 6-8-78.

17-2.10 Local Government.

Specific Authority 403.061 FS. Law Implemented 403.021, 403.031, 403.061 FS. History—New 11-21-73, Repealed 6-8-78.

17-2.11 Low Sulfur Fuel Shortage.

Specific Authority 120.041, 403.061 FS. Law Implemented 403.021, 403.031, 403.061, 403.087 FS. History—New 2-8-74, Repealed 6-8-78.

17-2.12 Source Testing Method.

Specific Authority 403.061(7) FS. Law Implemented 403.031, 403.061 FS. History—New 12-28-74, Transferred to 17-2.03(6), Repealed 6-8-78.

STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION
CONSTRUCTION PERMIT

DER
FEB 6 1986
BAQM

FOR FLORIDA STEEL CORPORATION

P. O. BOX 23328

TAMPA, FLORIDA 33623

PERMIT NO.

DATE OF ISSUE

PURSUANT TO THE PROVISIONS OF SECTIONS 403.061 (16) AND 403.707 OF CHAPTER 403, FLORIDA STATUTES AND CHAPTERS 17-4 AND 17-7 FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:

EARL HENDRY, MANAGER, TAMPA STEEL MILL DIVISION

FOR THE CONSTRUCTION OF THE FOLLOWING:

MODIFICATION TO BAGHOUSE NO. 3 AND THE ADDITION OF A CANOPY HOOD OVER

FURNACE NO. 3, WITH ASSOCIATED STRUCTURAL AND DUCT CHANGES. SUBJECT

TO PERMIT CONDITIONS NOS. 1, 2, 3, 4, 6, 7, 8, 9.

LOCATED AT 7105 EAST SIXTH AVENUE, TAMPA

UTM: 17-364.63E -- 3092.82N

IN ACCORDANCE WITH THE APPLICATION DATED FEBRUARY 14, 1979

ANY CONDITIONS OR PROVISOS WHICH ARE ATTACHED HERETO ARE INCORPORATED INTO AND MADE A PART OF THIS PERMIT AS THOUGH FULLY SET FORTH HEREIN. FAILURE TO COMPLY WITH SAID CONDITIONS OR PROVISOS SHALL CONSTITUTE A VIOLATION OF THIS PERMIT AND SHALL SUBJECT THE APPLICANT TO SUCH CIVIL AND CRIMINAL PENALTIES AS PROVIDED BY LAW.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ISSUE UNTIL SEPTEMBER 15, 1979

OR UNLESS REVOKED OR SURRENDERED AND SHALL BE SUBJECT TO ALL LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT.



ROGER P. STEWART, DIRECTOR,
HILLSBOROUGH COUNTY ENVIRONMENTAL
PROTECTION COMMISSION



JOSEPH W. LANDERS, JR.
SECRETARY

DISTRICT MANAGER

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

CONSTRUCTION PERMIT PROVISOS

AIR POLLUTION SOURCES

Permit No. _____

Date: _____

- (X) 1. Construction of this installation shall be completed by _____
June 15, 1979. Application for Permit to Operate to be
submitted by July 30, 1979.
- (X) 2. This construction permit expires on September 15, 1979 following
an initial period of operation for appropriate testing to deter-
mine compliance with the Rules of the Florida Department of
Environmental Regulation Commission.
- (X) 3. All applicable rules of the Department including design discharge
limitations specified in the application shall be adhered to. The
permit holder may also need to comply with county, municipal,
federal, or other state regulations prior to construction.
- (X) 4. The applicant shall continue the retention of the engineer of
record for the inspection of the construction of this project.
Upon completion the engineer shall inspect for conformity to con-
struction permit applications and associated documents. A re-
port of such inspection shall be submitted by the engineer to the
Department of Environmental Regulation for consideration toward
the issuance of an operation permit.
- () 5. This _____ shall be tested* for _____
within _____ days
after it is placed in operation. These test results are required
prior to our issuance of an operation permit and shall be
submitted in duplicate to the Florida Department of Environmental
Regulation _____

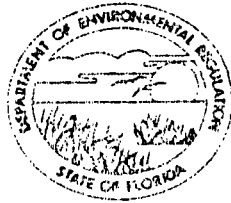
* Fuel Analysis May be Submitted for Required Sulfur Dioxide
Emission Test.

- (X) 6. The operation of this installation shall be observed for visible
emissions in accordance with Method 9-Visible Determination of
the Opacity of Emissions from Stationary Sources (36FR24895;
Federal Register, December 23, 1971). The observation results
are required prior to our issuance of an operation permit, and
shall be submitted in duplicate to the Department of Environmental
Regulation District Office, and the Hillsborough County Environmental
Protection Commission. This includes Baghouses Nos. 1 and 3. Shop (see back
page)*
- (X) 7. Satisfactory ladders, platforms, and other safety devices shall
be provided/available as well as necessary ports to facilitate
the carrying out of an adequate sampling program.
- (X) 8. There shall be no discharges of liquid effluents or contaminated
runoff from the plant site.
- (X) 9. All fugitive dust generated at this site shall be adequately
controlled.

- () 10. This permit is associated with a Development of Regional Impact (D.R.I.). It does not waive any other permits that may be required from this or any other State, Federal, or local agency.

*6. (continued) opacity readings during Charging and Tapping as outlined in CFR60.272(a)(3) while Furnace 3 is operating.

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610



REUBIN O'D. ASKEW
GOVERNOR

JOSEPH W. LANDERS, JR.
SECRETARY

DAVID PUCHATY
DISTRICT MANAGER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

Florida Steel Corp.
Hillsborough County -- A.P.

Earl Hendry, Manager,
Tampa Steel Mill Division
Florida Steel Corp.
P.O. Box 23328
Tampa, Florida 33623

Dear Mr. Hendry:

Pursuant to Section 403.061(16), Florida Statutes, your application has been approved by the Department and, therefore, we are issuing to you the enclosed permit no. which will expire on September 15, 1979.

This permit is not effective unless you accept it, including any and all of the conditions contained therein. If you do not choose to accept it, you must file an appropriate petition for a hearing pursuant to the provisions of Section 120.57, Florida Statutes.

A petition for a hearing must comply with the requirements of Florida Administrative Code, Section 28-5.15 and be filed (postmarked) with the Secretary of the Department of Environmental Regulation at Twin Towers Office Building, 2600 Blair Stone Road, Tallahassee, Florida 32301, with a copy to this office within fourteen (14) days from receipt of this letter. Petitions which are not filed in accordance with the above provisions may be subject to dismissal.

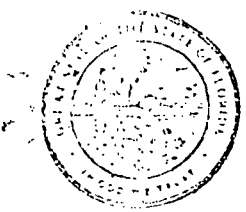
Any time limits imposed in the permit are a condition to this permit and are enforceable under Section 403.061, Florida Statutes. You are hereby placed on notice that the Department will review this permit to check for compliance and will initiate enforcement action for violations of the conditions and requirements of this permit.

Your continued cooperation in this matter is appreciated. Please refer to your assigned permit number in all future communications.

Sincerely,

cc: Central Files
HCEPC

Enclosures



BEST AVAILABLE COPY

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

POST OFFICE BOX 9205
500 EAST CENTRAL AVENUE
WINTER HAVEN, FLORIDA 33880

JOSEPH W. LANDERS JR.
SECRETARY

FLORIDA STEEL CORPORATION
HILLSBOROUGH COUNTY - - A.P.
OCTOBER 13, 1975

RECEIVED

NOV 9 1975

MR. ROBERT J. BODEMAN
MANAGER, TAMPA STEEL MILL DIVISION
FLORIDA STEEL CORPORATION
P. O. BOX 23328
TAMPA, FLA 33622

DEAR MR. BODEMAN:

Pursuant to your recent application, please find enclosed a permit (~~NO. 1013-2-110~~) dated 10/13/75 to ~~construct~~/ operate the subject pollution source.

This permit will expire on 10/13/77, and will be subject to the conditions, requirements, and restrictions checked or indicated otherwise in the attached sheet "Construction/Operation Permit Conditions."

This permit is issued under the authority of Florida Statute 403.061(16). The time limits imposed herein are a condition to this permit and are enforceable under Florida Statute 403.161. You are hereby placed on Notice that the Department will review this permit before the scheduled date of expiry and will seek court action for violation of the conditions and requirements of this permit.

You have ten days from the date of receipt hereof within which to seek a review of the conditions and requirements contained in this permit. Failure to file a written request to review or modify the conditions or requirements contained in this permit shall be deemed a waiver of any objections thereto.

Your continued cooperation in this matter is appreciated and in future communication please refer to your permit number.

Yours very truly,

J. H. Kerns, P. E.
District Engineer

cc: Bill Nickonovitz
H. C. E. P. C.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

OPERATION PERMIT

FOR FLORIDA STEEL CORPORATION

P. O. BOX 23328

TAMPA, FLA 33622

PERMIT NO. A029-2445

DATE OF ISSUE 10/13/75

PURSUANT TO THE PROVISIONS OF SECTIONS 403.061(16) AND 403.707 OF CHAPTER 403, FLORIDA STATUTES AND CHAPTERS 17-4 AND 17-7, FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:
ROBERT J. BODEMAN, MANAGER, TAMPA STEEL MILL DIVISION

FOR THE OPERATION OF THE FOLLOWING:
ELECTRIC ARC FURNACE NO. 3

Subject to attached conditons of approval
Numbers 1, 2, 3, 4, 5, 6, 7 and 9

LOCATED AT 7105 E. SIXTH AVENUE, TAMPA

UTM: 17-364-6 E - - 3094.2 N

IN ACCORDANCE WITH THE APPLICATION DATED 8/21/75

ANY CONDITIONS OR PROVISOS WHICH ARE ATTACHED HERETO ARE INCORPORATED INTO AND MADE A PART OF THIS PERMIT AS THOUGH FULLY SET FORTH HEREIN. FAILURE TO COMPLY WITH SAID CONDITIONS OR PROVISOS SHALL CONSTITUTE A VIOLATION OF THIS PERMIT AND SHALL SUBJECT THE APPLICANT TO SUCH CIVIL AND CRIMINAL PENALTIES AS PROVIDED BY LAW.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ISSUE UNTIL 10/13/77

OR UNTIL REVOKED OR SURRENDERED AND SHALL BE SUBJECT TO ALL LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT.

J. T. Lewis
DISTRICT ENGINEER

Joseph Landers, Jr.
JOSEPH LANDERS, JR.
SECRETARY

Roger P. Stewart
ROGER P. STEWART, DIRECTOR
HILLS. COUNTY ENV. PROTECTION COMMISSION

[Signature]
DISTRICT MANAGER

Permit No.: AO29-2445

Date:10/13/75

- (X) 1. Fugitive dusts, odors and other pollutants from all sources shall be effectively controlled or eliminated by suitable means. (Chapter 17-2.04 (5)(4)(5))
- (X) 2. The pollution control equipment shall be maintained and operated in such a manner that all emissions will be in compliance with applicable rules and regulations of the DER. A log of maintenance activities shall be kept and available for DER review. (Chapter 17-2.05 (7))
- (X) 3. Report any problems encountered in the operation of the source that may result in discharge of pollutants in amounts higher than permitted herein. Cease operation forthwith unless permission has been obtained from the regional office of the DER to operate the source for an interim period. (Chapter 17-4.13)
- (X) 4. This permit is issued on the basis of the data submitted in the application and the existing requirements of this agency as set forth in Chapter 17-2 (revised January 18, 1972) Florida Administrative Code. The owner shall obtain written permission from the DER before making changes in the operation of the source (i.e. higher production rate, different raw materials and fuels, etc.) that may increase the quantity of pollutants or change their composition. (Chapter 17-2.01)
- (X) 5. This permit is not transferable. Upon the sale or legal transfer of the source covered by this permit, the new owner must apply by letter for a transfer of this permit within thirty days. (Chapter 17-4.12)
- (X) 6. Test the emissions for the following pollutant(s) at intervals of SIX MONTHS from the date of this permit and submit two copies of test results to the District engineer of this agency within fifteen days of such testing. (Chapter 17-2.07 (1))
- | | |
|-------------------------------------|---------------------|
| (X) CARBON MONOXIDE (ONE TIME ONLY) | () Sulfur Oxides |
| () Particulates | () Nitrogen Oxides |
| () Fluorides | () Hydrocarbons |
| (X) Plume Density | |
- (X) 7. Provide such sampling and testing facilities as may be necessary for the proper determination of the nature and quantity of air pollutants emitted from this source. (Chapter 17-2.07)
- () 8. Identify the pollution source and/or control equipment by its manufacturer, model number, serial number, capacity, and any other pertinent information. Submit this information on or before
- (X) 9. There shall be no discharge of liquid effluents or contaminate run-off from this site.

STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

OPERATION PERMIT

DER

FEB 6 1986

BAQM

FOR FLORIDA STEEL CORPORATION

P. O. BOX 23328

TAMPA, FLA 33622

PERMIT NO. ~~4029-2445~~

DATE OF ISSUE 10/13/75

PURSUANT TO THE PROVISIONS OF SECTIONS 403.061(16) AND 403.707 OF CHAPTER 403, FLORIDA STATUTES AND CHAPTERS 17-4 AND 17-7, FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO: ROBERT J. BODEMAN, MANAGER, TAMPA STEEL MILL DIVISION

FOR THE OPERATION OF THE FOLLOWING:
ELECTRIC ARC FURNACE NO. 3

Subject to attached conditions of approval

Numbers 1, 2, 3, 4, 5, 6, 7 and 9

LOCATED AT 7105 E. SIXTH AVENUE, TAMPA

UTM: 17-364-6 E - 3094-2 N

IN ACCORDANCE WITH THE APPLICATION DATED 8/21/75

ANY CONDITIONS OR PROVISIONS WHICH ARE ATTACHED HERETO ARE INCORPORATED INTO AND MADE A PART OF THIS PERMIT AS THOUGH FULLY SET FORTH HEREIN. FAILURE TO COMPLY WITH SAID CONDITIONS OR PROVISIONS SHALL CONSTITUTE A VIOLATION OF THIS PERMIT AND SHALL SUBJECT THE APPLICANT TO SUCH CIVIL AND CRIMINAL PENALTIES AS PROVIDED BY LAW.

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OR UNTIL REVOKED OR SURRENDERED AND SHALL BE SUBJECT TO ALL LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT.

J. D. Kerns
DISTRICT ENGINEER

Joseph Landers, Jr.
JOSEPH C. LANDERS, JR.
SECRETARY

Roger P. Stewart
ROGER P. STEWART, DIRECTOR
HILLS COUNTY ENV. PROTECTION COMMISSION

DISTRICT MANAGER

Permit No.: A029-2445

Date: 10/13/75

- (X) 1. Fugitive dusts, odors and other pollutants from all sources shall be effectively controlled or eliminated by suitable means. (Chapter 17-2.04 (3)(4)(5))
- (X) 2. The pollution control equipment shall be maintained and operated in such a manner that all emissions will be in compliance with applicable rules and regulations of the DER. A log of maintenance activities shall be kept and available for DER review. (Chapter 17-2.03 (7))
- (X) 3. Report any problems encountered in the operation of the source that may result in discharge of pollutants in amounts higher than permitted herein. Cease operation forthwith unless permission has been obtained from the regional office of the DER to operate the source for an interim period. (Chapter 17-4.13)
- (X) 4. This permit is issued on the basis of the data submitted in the application and the existing requirements of this agency as set forth in Chapter 17-2 (revised January 18, 1972) Florida Administrative Code. The owner shall obtain written permission from the DER before making changes in the operation of the source (i.e. higher production rate, different raw materials and fuels, etc.) that may increase the quantity of pollutants or change their composition. (Chapter 17-2.01)
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- | | |
|-------------------------------------|---------------------|
| (X) CARBON MONOXIDE (ONE TIME ONLY) | () Sulfur Oxides |
| () Particulates | () Nitrogen Oxides |
| () Fluorides | () Hydrocarbons |
| (X) Plume Density | |
- (X) 7. Provide such sampling and testing facilities as may be necessary for the proper determination of the nature and quantity of air pollutants emitted from this source. (Chapter 17-2.07)
- () 8. Identify the pollution source and/or control equipment by its manufacturer, model number, serial number, capacity, and any other pertinent information. Submit this information on or before
- (X) 9. There shall be no discharge of liquid effluents or contaminate run-off from this site.

SENDER: Complete items 1, 2, 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 service(s) requested.

1. Show to whom, date and address of delivery.
 2. Restricted Delivery.

3. Article Addressed to:

Mr. Earl Hendry
 Florida Steel Corporation
 P. O. Box 23328
 Tampa, Florida 33623

4. Type of Service:

- Registered Insured
 Certified COD
 Express Mail

Article Number

P 408 533 221

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature - Addressee

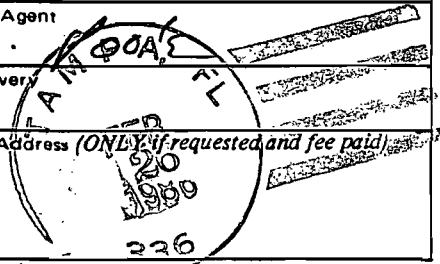
X

6. Signature - Agent

X

7. Date of Delivery

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



PS Form 3800, Feb. 1982

| | |
|---|-----------------|
| Sent to | Mr. Earl Hendry |
| Street and No. | |
| P. O., Store and ZIP Code | |
| 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 | 2/24/86 |

P 408 533 221

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address, and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.



PENALTY FOR PRIVATE
USE, \$300

RETURN

TO

DER

FEB 28 1986

BAQM

Dept. of Environmental Regulation

BAQM

(Name of Sender)

2600 Blair Stone Road

(No. and Street, Apt., Suite, P.O. Box or R.D. No.)

Tallahassee, FL 32301

(City, State, and ZIP Code)

Attn: Patty Adams

BAQM
FEB 28 1986
DER

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY

February 24, 1986

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Earl Hendry
Manager
Florida Steel Corporation
Tampa Steel Division
P. O. Box 23328
Tampa, Florida 33623

Dear Mr. Hendry:

Re: Completeness Review of an Application to Construct/Modify
Air Pollution Sources: Permit No. AC 29-115380

The department received on January 28, 1986, Dr. Robert S. Sholte's cover letter with enclosures, which included the above referenced application package.

A question was asked about how the department would classify the proposed dust reclamation system (DRS). Based on the information submitted, the following is offered:

- o If the present permitted control system, the Baghouse No. 2 (AO 29-108747), is to receive and treat the additional dust loading, the proposed DRS would be classified as a new source of air pollution and would be permitted as a modification to an existing source and major facility.
- o If the mill prefers to emit pollutant emissions from a new point within the facility, then the proposed DRS would be classified as a new source of air pollution and would be permitted as a modification to a major facility.
- o In both cases, an air construction permit from the department will be required.

The department has reviewed the application package for completeness and finds it to be incomplete. The following information, including all assumptions, calculations and reference documents, will have to be submitted to the department to, once again, ascertain the status of your application package:


Mr. Earl Hendry
Page Two
February 24, 1986

- o If there is any proprietary information pursuant to Chapter 403.111, Florida Statutes, required in any response, please indicate so and submit as a separate document and the department will maintain confidentiality.
- o The application is to be signed by the owner or authorized representative in Section I.A.
- o A letter of authorization is to be submitted for the authorized representative if the owner does not sign the application in Section I.A.
- o The application is to be signed by a professional engineer registered in Florida and his or her seal affixed in Section I.B.
- o Complete the areas designated as Section II.B., Section II.C., Section II.D, Section II.F., and correct and/or change any other areas of Section II if a change or correction is in order.
- o Since there is a dust laden air flow that will be treated by some control strategy, complete the areas designated as Section III.A., Section III.B., Section III.C., Section III.D. and Section III.G.
- o Submit the appropriate processing fee in accordance with Florida Administrative Code Rule 17-4.
- o Will there be any toxic or hazardous material generated or discharged onto the ground from the proposed project? If so, identify each material and its chemical constituent.
- o What was the construction/installation date of the existing dust handling system?
- o Describe the existing dust handling system.
- o Since the existing dust handling system has never been tested, on what basis are you assuming that it can achieve 0.01 gr/scfm?
- o Provide answers to the points contained in the letter dated February 18, 1986, from Mr. Victor San Agustin, which is attached.

Mr. Earl Hendry
Page Three
February 24, 1986

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

Sincerely,

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

CHF/BM/s

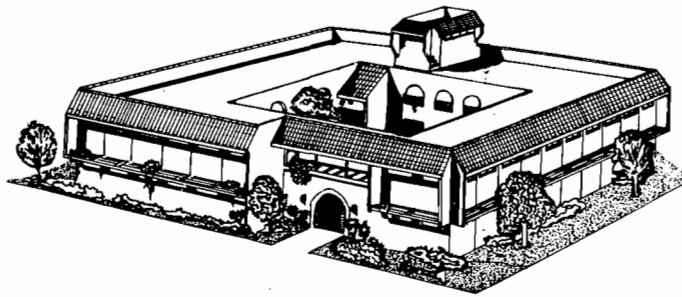
attachment

cc: Robert S. Sholtes
Victor San Agustin
DER's SW District

HILLSBOROUGH COUNTY
ENVIRONMENTAL PROTECTION

COMMISSION

RODNEY COLSON
RON GLICKMAN
PAM IORIO
RUBIN E. PADGETT
JAN KAMINIS PLATT
JAMES D. SELVEY
PICKENS C. TALLEY II



ROGER P. STEWART
DIRECTOR

1900 - 9th AVE
TAMPA, FLORIDA 33605

TELEPHONE (813) 272-5960

February 18, 1986

Mr. Bruce Mitchell, CAPS Engineer
Florida Department of Environmental Regulation
Bureau of Air Quality Management
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32301-8241

DER
FEB 20 1986
BAQM

Dear Mr. Mitchell:

As we discussed, this letter is to inform you of our position on how this project should be treated and all additional information which we believe are necessary in completing the review process.

Our position on how this project should be treated would be to consider the application as a modification to A029-108747 if emissions from the reclamation process are ducted to the inlet of Baghouse #2 or to consider it as a construction permit application if the reclamation process will have its own emission point. Irregardless of the manner in which the emissions are vented, we believe that replacing an unpermitted source and showing that the proposed new source will contribute to a decrease in the facility's total particulate emissions should not be construed as an amendment to an existing permit. We have worked with applicants in our county where they wanted to replace existing sources with "cleaner" ones (boilers, for example) and still, construction permits are issued first. We believe this analogy is applicable to Florida Steel's project.

To completely process the application, we request you include the following in your letter of incompleteness:

1. Pursuant to Chapter 1-6.02 of the Hillsborough County Environmental Protection Commission rules, please submit a check for \$385 made payable to Hillsborough County Board of County Commissioners.
2. Please complete all applicable blanks of Sections I, II, and III of the long form application. All supplemental requirements of Section V should be satisfied. Dr. Sholtes' letter of January 24, 1986 mentioned that if we treat the new project as a new source, the reclamation process will have its own emission point. As per our discussion, we are treating this project as a new source; therefore, all applicable blanks relating to the new source should be completed.

Mr. Bruce Mitchell
Florida Department of Environmental Regulation
February 18, 1986
Page 2

3. Section II. H. of the form indicates RACT would not apply if there was no new emission point. Pursuant to Section 17-2.650(2)(g), F.A.C., RACT should still apply to this source. Specific condition 11.A. of A029-108747 should be modified to reflect the process parameters of the two new baghouses associated with the new project and to reflect the applicable parameters for the new sources of particulate emissions; i.e., the drier, heater, Reactor 1 and Reactor 2. Also, specific condition 11.B. should reflect additional frequency checks on the new sources and new baghouses. We, therefore, request that Florida Steel submit an Operation and Maintenance plan for the new sources and baghouses.
4. Section III.H. of the application form noted that discharge will be from No. 2 baghouse. Section III.H. should reflect the new emission point associated with the new project, as per Dr. Sholtes' letter of January 24, 1986 (3rd paragraph).

Thank you for your cooperation. If I can be of any assistance, please contact me at SC571-5960.

Sincerely,

Victor San Agustin

Victor San Agustin
Senior Air Permitting Engineer
Hillsborough County Environmental
Protection Commission

cc: Dr. Sholtes, Sholtes and Koogler
Bill Thomas, SWFDER

VSA/ch

I - Existing Emissions from Unpermitted Vacuum Transfer System:

$$\text{Baghouse Exhaust} = \frac{0.01 \text{ gr}}{\text{cu-ft}} \times \frac{460 \text{ cf}}{\text{min}} \times \frac{60}{7000} = 0.04 \frac{\text{lbs}}{\text{hr}}$$

$$\text{Truck Loading (Open Bed)} = ? \quad (\text{I approximate } 0.0046 \text{ lb/ton from Table 7.5-1}) \\ \text{Closest one I could find.}$$

II - Emissions from Proposed System if it has its own emission point:

$$\begin{aligned} E &= (\text{from } 1805 \text{ cfm baghouse}) + (531 \text{ cfm baghouse}) + (\text{cooling air from baghouse \#2}) \\ &= \left[\frac{0.004 (1235)(60)}{7000} \right] + \left[\frac{0.02 (362)(60)}{7000} \right] + \left[\frac{*0.0023 (2263)(60)}{7000} \right] \\ &= 0.042 + 0.062 + 0.045 \\ &= 0.149 \text{ lbs/hr} \end{aligned}$$

* Stack test result. April 8, 1985

III - Emissions from Baghouse #2

a. Existing = 1.23 lbs/hr @ 0.0023 gr / scf as per April '85 Stack Test

b. Future (w/ reclamation system) = $\left\{ 62,569 - [2263 + 1116] \right\} = 59,190 \text{ scfm}$.
Cooling Air (Return)

$$\begin{aligned} \text{Future Emissions} &= \text{Existing Emissions} + \text{Contribution from Reclamation System} \\ &= 1.23 + 0.149 (1 - 0.90) \\ &= 1.23 + 0.0149 \quad \leftarrow \text{Eff of baghouse \#2} \\ &= 1.245 \text{ lbs/hr} \end{aligned}$$



SHOLTES & KOOGLER, ENVIRONMENTAL CONSULTANTS
1213 N.W. 6th Street Gainesville, Florida 32601 (904) 377-5822

DER

JAN 28 1986

BAQM

SKEC 101-86-01

January 24, 1986

Mr. Bill Thomas
Florida Department of Environmental Regulation
Air Quality Management Division
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301

Dear Mr. Thomas:

In conversation with Mr. Victor San Augustin of the Hillsborough County Environmental Protection Commission, it is my understanding that further information is needed in making a determination on whether the proposed dust reclamation system at Florida Steel Corporation in Tampa constitutes a modification to a major facility or the creation of a new source. Toward this end, I am enclosing a set of permit application forms, although they are not entirely complete.

The point I would like to emphasize, is that the present dust handling system is not, and has never been, permitted although it has an emission of 460 CFM filtered air. The proposed system would eliminate this discharge and handle this dust with the net result that all air streams, both into and out of the system, would be associated with the currently permitted Baghouse No. 2. This approach to the system is taken in a deliberate effort to have this modification considered a change to the existing Permit No. A029-108747.

In the event that the decision is made that this is an entirely new source, we would probably revamp the flow system to subject the gases generated within the system to a single filtration step and discharge them to the atmosphere rather than the proposed double filtration.

DER

Mr. Bill Thomas
Florida Department of Environmental Regulation

January 24, 1986
Page 2

JAN 28 1986

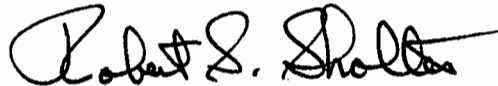
BAQMI

Your consideration in this matter would be most appreciated. I would ask that you consider the flow diagram attached hereto (Figure 1B of Bricmont & Associates) Confidential and treat it accordingly in your files.

I am anticipating an immediate need to make funeral arrangements for my mother-in-law in the state of Virginia and may be unavailable for further comment until later next week. If you need to contact me on an urgent basis, my office will know my whereabouts and be able to convey a message.

Sincerely,

SHOLTES & KOOGLER,
ENVIRONMENTAL CONSULTANTS



Robert S. Sholtes, Ph.D., P.E.

RSS:pd+
Enclosure

cc: Mr. Victor San Augustin

1-30-86
2:45

Spoke w V.S.A. and requested;

- ① All Const. & Op. Permits that have been issued
- ② Hills. Co. - comments of incompleteness by 2/18/86 (Day 20)

Bruce - RFM
I still didn't have time to make copies

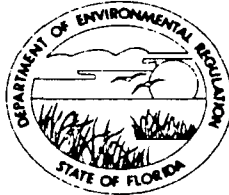
JAN 28 1986

AC 29-115380

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOHNS RIVER DISTRICT

3319 MAGUIRE BOULEVARD
SUITE 232
ORLANDO, FLORIDA 32803



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ALEX SENKEVICH
DISTRICT MANAGER

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Dust Reclamation System [] New¹ [] Existing¹

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

COMPANY NAME: Florida Steel Corporation, Tampa Mill COUNTY: Hillsborough

Identify the specific emission point source(s) addressed in this application (i.e. Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) Dust Reclamation System

SOURCE LOCATION: Street 7105 6th Avenue City Tampa, Florida

UTM: East 17-364.63 North 3092.82

Latitude 27° 57' 18"N Longitude 82° 22' 34"W

APPLICANT NAME AND TITLE: Florida Steel Corporation, Tampa Mill

APPLICANT ADDRESS: _____

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of _____

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

*Attach letter of authorization

Signed: _____

Name and Title (Please Type)

Date: _____ Telephone No. _____

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

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

¹ See Florida Administrative Code Rule 17-2.100(57) and (104)

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

Signed _____

Name (Please Type)

Company Name (Please Type)

Mailing Address (Please Type)

Florida Registration No. _____ Date: _____ Telephone No. _____

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 SHEETS

- 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.)

NOT YET DETERMINED

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

Dust handling system never permitted by separate document. Baghouses which the system serves, have been permitted for many years.

1.0 INTRODUCTION

Florida Steel Corporation, Tampa Mill, holds four permits applicable to baghouse collection systems used to control emissions from their two electric arc furnaces. For some length of time, the dust collected by these four baghouses has been routed to a storage silo and subsequently, the dust packaged and shipped to a hazardous waste disposal facility. In view of the complexities of handling and shipping these wastes and the uncertainty of the availability of proper disposal sites in the future, Florida Steel Corporation is planning to institute a dust reclamation system which will eliminate the aforementioned procedures.

In the new system, all dust will be routed to the reclamation process where valuable heavy metals will be recovered with the corollary effect of making the remaining material non-toxic. This remaining material, although non-toxic, will be retained on site and recharged into the electric arc furnaces rather than using other disposal means.

? Non-toxic
vs
Toxic

The proposed system will be totally self-contained with respect to identifiable emissions. Fugitive emissions will be properly controlled and there will be no new emission point to the atmosphere.

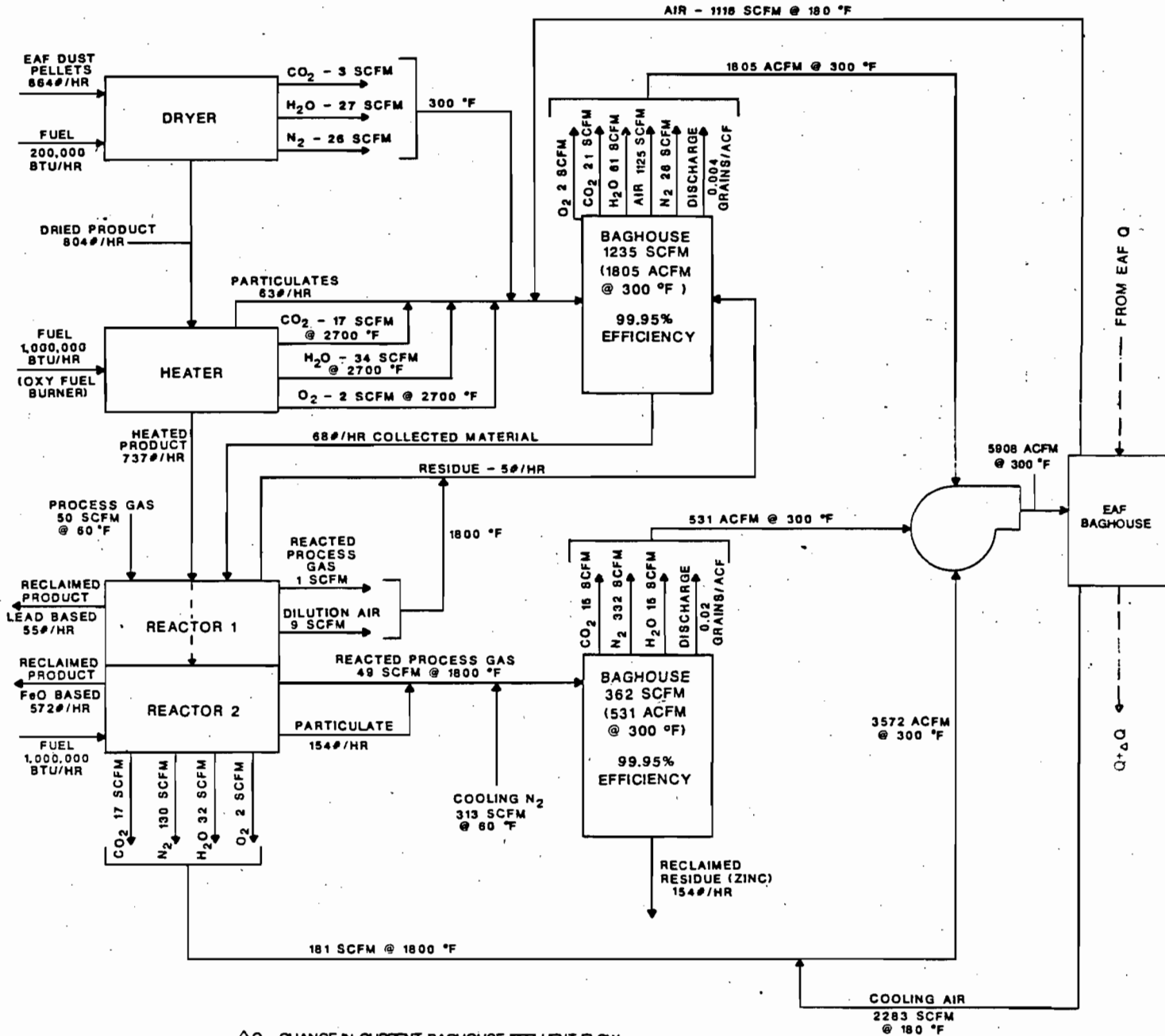
To accomplish needed cooling, 3379 SCFM of unfiltered air will be removed from the No. 2 baghouse blower discharge and subsequently returned to the inlet side of that blower along with the gases generated within the reclamation system (a 662 SCFM increment).

This combined flow stream will have been filtered in the dust reclamation system and therefore will reduce the total dust load on the No. 2 baghouse although its total air flow volume will increase by 662 SCFM. The No. 2 baghouse has a design flow rate of 78,000 SCFM but when tested in the Spring of 1985 was found to have an actual flow of 62,570 SCFM. *detail*

A flow diagram of this proposed system is attached as Figure 1B (a document prepared by the vendor, Briemont & Associates and considered to be confidential).

PRIVILEGED & CONFIDENTIAL INFORMATION

EFFLUENT FLOW DIAGRAM
TAMPA PLANT
WARM AIR DILUTION



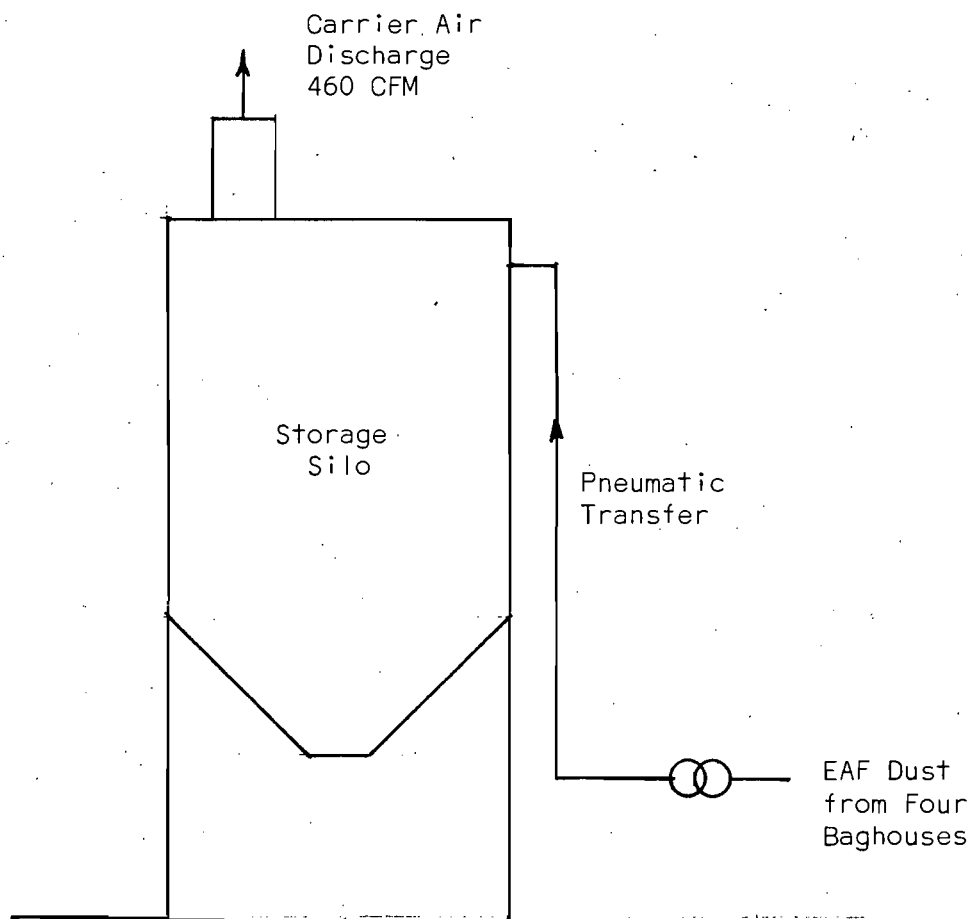
ΔQ - CHANGE IN CURRENT BAGHOUSE EFFLUENT FLOW
 $\Delta Q = 5908 \text{ ACFM} - 4939 \text{ ACFM} - 969 \text{ ACFM} @ 300^\circ\text{F}$
 $= -86 \text{ ACFM} @ 180^\circ\text{F}$

FIGURE - 18

2.0 EXISTING DUST HANDLING SYSTEM

The existing system for handling the electric arc furnace dust consists of a screw conveyor system and storage silo which is used as a temporary storage pending the packaging and shipment of dust to the disposal site. The dust is collected from the four baghouse collectors through screw conveyor systems and subsequently elevated into the storage silo by a pneumatic conveyance system. This particular system utilizes a suction pump which creates a vacuum of about 8.5 inches of mercury in the storage silo resulting in a carrier air stream of 460 CFM which moves the dust into the silo from a point near ground level. The carrier air is treated by a series of two filters prior to discharge into the atmosphere. These filters are located in the upper section of the storage silo and have not been subjected to testing. Using an assumed discharge grain loading of 0.01 grains per standard cubic foot and a flow of 460 SCFM, the estimated emission rate from this existing system is 0.04 pounds per hour and approximately 0.16 tons per year. This dust handling system is not presently permitted under the Florida Department of Environmental Regulation permit system.

A simple flow diagram of this existing system is attached hereto.



EXISTING EAF DUST HANDLING SYSTEM

**Florida Steel Corporation
Tampa Mill**

E. Requested permitted equipment operating time: hrs/day 24 ; days/wk 7 ; wks/yr 50 ;
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? _____ Yes*

a. If yes, for what pollutants? Particulates

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.

* If there were an emission, RACT would apply. The concept being proposed
does not result in any new emission point.

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 ¹ | | Allowed Emission Rate per Rule 17-2 | Allowable ³ Emission lbs/hr | Potential ⁴ Emission | | Relate to Flow Diagram |
|----------------------------|-----------------------|-------------|-------------------------------------|--|---------------------------------|------|------------------------|
| | Maximum lbs/hr | Actual T/yr | | | lbs/yr | T/yr | |
| There is no emission point | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

¹See Section V, Item 2.

²Reference 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)

³Calculated from operating rate and applicable standard.

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

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

| Name and Type (Model & Serial No.) | Contaminant | Efficiency | Range of Particles Size Collected (in microns) (If applicable) | Basis for Efficiency (Section V Item 5) |
|---------------------------------------|--------------|------------|---|--|
| Unknown at this Time | Particulates | 99.95 | Unknown | Manufacturer |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

E. Fuels

| Type (Be Specific) | Consumption* | | Maximum Heat Input (MMBTU/hr) |
|--------------------|--------------|---------|----------------------------------|
| | avg/hr | max./hr | |
| Natural Gas | 2.1 | 2.1 | 2,200,000 BTU/hr |
| | | | |
| | | | |

*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 apace heating.

Annual Average _____ Maximum _____

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

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

DISCHARGE WILL BE FROM NO. 2 BAGHOUSE.
 Stack Height: _____ 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) ³ | 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) _____