

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

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT

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

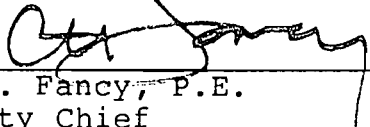
September 9, 1986

Enclosed is Permit Number AC 29-117627 to Florida Steel Corporation which authorizes the construction of a dust reclamation system at the Florida Steel Corporation Tampa Mill in Hillsborough County, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

Any Party to this permit has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this permit is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


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

Copies furnished to:

Robert S. Sholtes, P.E.
Victor San Agustin
Jim Estler

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on Sept. 10, 1986 to the listed persons.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Patricia G. Adams Sept. 10, 1986
Clerk Date

Final Determination

Florida Steel Corporation
Hillsborough County
Tampa, Florida

Construction Permit No.
AC 29-117627

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

September 5, 1986

Final Determination

The construction permit application and attachments have been reviewed by the department. Public notice of the department's intent to issue was published in The Tampa Tribune issue dated July 28, 1986. The technical evaluation and preliminary determination were available for public inspection at the Hillsborough County Environmental Protection Commission (HCEPC) office and the DER's Southwest District office and Bureau of Air Quality Management office.

Comments were received on August 11, 1986, from Mr. Victor San Agustin with HCEPC. The comments will become an attachment to the construction permit. The bureau's comments will follow and be numbered so as to correspond with the number of Mr. Agustin's comments, which will not be restated:

1. The bureau agrees with the request and will change the designation of the electric arc furnaces to Nos. 3 and 4 to reflect the facility's assigned identification numbers wherever it was incorrectly cited.
2. The bureau agrees with the request and the following shall be added:

Specific Condition: New

No. 14:

An Operation and Maintenance plan consistent with the requirements of FAC 17-2.650(2)(d) and (g) shall be submitted to the Hillsborough County Environmental Protection Commission along with the operating permit application(s).

3. The bureau agrees with the request and the following shall be changed:

Specific Condition:

No. 13., 2nd Paragraph:

From:

To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including the application fee, along with test results and Certificate of Completion, to the Department's Southwest District office 90 days prior to the expiration date of the construction permit. The

permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate. (FAC Rules 17-4.22 and 17-4.23)

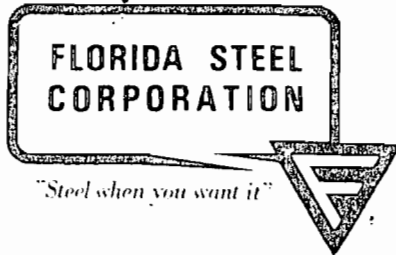
To:

To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including the application fee, along with test results and Certificate of Completion, to the Hillsborough County Environmental Protection Commission office 90 days prior to the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate. (FAC Rules 17-4.22 and 17-4.23)

Attachment to be Incorporated:

7. Mr. Victor San Agustin's comments dated August 7, 1986, and received August 11, 1986.

The bureau will incorporate the changes to the Specific Conditions and appropriate areas in the construction permit, as referenced in the Final Determination. It is recommended that the construction permit be issued as drafted, with the above changes and attachment incorporated.



TAMPA STEEL MILL DIVISION
7105 6th AVENUE • P.O. BOX 23328 • TAMPA, FL 33623

DER

AUG 11 1986

BAQM

August 4, 1986

Mr. C.H. Fancy P.E.
State of Florida Department
of Environmental Regulation
Twin Towers Office Building
2600 Blainstone Road
Tallahassee, Florida 32301-8241

Dear Mr. Fancy,

Please find enclosed a Certified copy of the advertisement that appeared in the Tampa Tribune on July 28, 1986.

Sincerely,
Florida Steel Corporation

Earl Hendry
Earl Hendry
Division Manager
Tampa Steel Mill

THE TAMPA TRIBUNE

DEK

Published Daily
Tampa, Hillsborough County, Florida

BAQM

State of Florida
County of Hillsborough } ss.

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

LEGAL NOTICE

in the matter of NOTICE OF INTENT

was published in said newspaper in the issues of
July 28, 1986

Affiant further says that the said The Tampa Tribune is a newspaper published at
Tampa, in said Hillsborough County, Florida, and that the said newspaper has
heretofore been continuously published in said Hillsborough County, Florida, each day
and has been entered as second class mail matter at the post office in Tampa, in said
Hillsborough County, Florida, for a period of one year next preceding the first publica-
tion of the attached copy of advertisement; and affiant further says that he has neither
paid nor promised any person, firm, or corporation any discount, rebate, commission or
refund for the purpose of securing this advertisement for publication in the said
newspaper.

G. T. Gleason

Sworn to and subscribed before me, this 28th day

of July A.D. 1986

Mary Delgado

(SEAL)

Notary Public, State of Florida
My Commission Expires April 20, 1990
Bonded Thru Troy Fain - Insurance Inc.

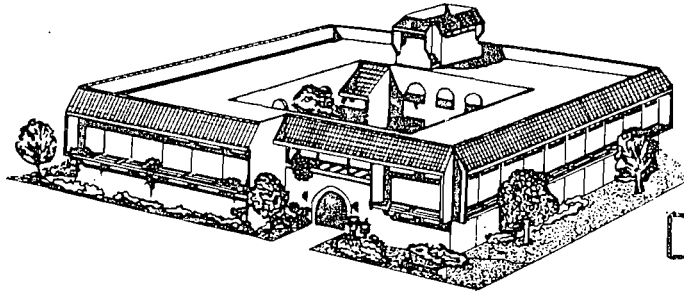
NOTICE OF INTENT
The Department gives notice of its intent to issue a permit to Florida Steel Corporation to construct a dust reclamation system to collect and recover/reclaim zinc, lead, and iron oxide emitted from two electric arc furnaces. The proposed construction will take place at the Florida Steel Corporation Tampa Mill located at 7105 6th Avenue, Tampa, Hillsborough County, Florida. A determination of best available control technology (BACT) was not required.
Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has to request an administrative determination (hearing) under Section 120.57, Florida Statutes.
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009, Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.
The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:
Dept. of
Environmental Regulation
Bureau of Air
Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32301
Dept. of
Environmental Regulation
Southwest District
7601 Highway 301 North
Tampa, Florida 33610
Hillsborough County
Environmental Protection
Commission
1900 Ninth Avenue
Tampa, Florida 33605
Any person may send written comments on the proposed action to Mr. Bill Thomas at the department's Tallahassee address. All comments mailed within 30 days of the publication of this notice will be considered in the department's final determination.
2997 7/28/86

ATTACHMENT 7

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

DER

AUG 11 1986

BAQM

MEMORANDUM

Date August 7, 1986

To Clair Fancy, BAQM

From Victor San Agustin thru Jerry Campbell *VSA* *Je*

Subject: Comments on Florida Steel's Iron Oxide Reclamation Project Draft Construction Permit

Our Agency received a copy of the draft construction permit for the above project. The package mentions BAQM will consider comments mailed within 30 days of July 11, 1986.

We request you incorporate the following comments in the construction permit.

1. The electric arc furnaces are numbered as 3 and 4. Please revise specific condition 2 to reflect the right furnace numbers.
2. The DRS is a PM RACT source; therefore, the operating permit, if issued should have an Operation and Maintenance (O and M) plan. SWFDER and HCEPC will need this information during the operating permit review. In Tampa, construction permits issued to PM RACT sources contain a condition which requires the permittee to submit an O and M plan. This should eliminate the need for an incompleteness letter. We request that the same be done to this permit. We therefore recommend you add a specific condition 14. which states:

"14. An Operation and Maintenance plan consistent with the requirements of Subsections 17-2.650(2)(d) and (g) shall be submitted to the Hillsborough County Environmental Protection Commission along with the operating permit applications."

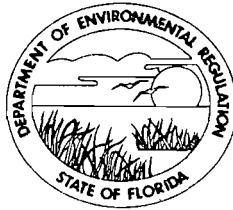
3. In the second to the last paragraph of page 7 of the draft, the first sentence should be revised to state operating permit applications should be submitted to HCEPC. SWFDER and our Agency have always operated in this manner and such is consistent with our operating agreement.

Your cooperation in this regard will be appreciated. If I can be of any assistance, please call.

cc: Bill Thomas, SWFDER
Bruce Mitchell, BAQM-CAPS

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

PERMITTEE:
Florida Steel Corporation
7105 6th Avenue
Tampa, Florida 33623

Permit Number: AC 29-117627
Expiration Date: March 31, 1987
County: Hillsborough
Latitude/Longitude: 27° 57' 18" N/
82° 22' 34" W
Project: Dust Reclamation System

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

For the construction of a dust reclamation system (DRS) to collect and recover/reclaim zinc, lead, and iron oxide emitted from two electric arc furnaces (EAF; Nos. 3 & 4). The DRS will consist of an EAF dust pelletizer, a dryer and a heater (both natural gas (NG) fired at 0.85 MBTU/hr & 1.0 MBTU/hr, respectively), two Reactors (Nos. 1 & 2; No. 2 has a NG fired heater at 1.0 MBTU/hr), a lead dust baghouse, a zinc dust baghouse, a briquetter, a heat exchanger, and a common header and stack with an associated blower. Effluent from the pelletizer, dryer, heater, Reactor 1, and the briquetter will be ducted to the "lead baghouse." Effluent from Reactor 2 will be ducted to the "zinc baghouse." Effluent from the lead and zinc baghouses and Reactor 2 will be ducted to the common header and then discharged into the atmosphere.

The two baghouse control systems will be installed to control particulate matter emissions (a MIKRO-PULSAIRE Model 49S-10-20 dust collector and a MIKRO-PULSAIRE Model 25S-10-20 dust collector). Each dust collector has a guaranteed collection efficiency such that the dust load of effluent leaving will not exceed 0.01 grains per standard cubic foot of air per minute. The exit gases from the lead and zinc baghouses and the Reactor 2 enter a common header and discharge through a single stack.

An existing unpermitted storage silo and associated baghouse system will be disassembled. A portion of the storage silo will be relocated and used as a surge tank in the new dust reclamation system. The surge tank will not have any vent to the atmosphere.

The UTM coordinates are Zone 17, 364.63 km East and 3092.82 km North.

The Source Classification Codes are: Secondary Metal Production - Steel Foundry - Dust Reclamation: 3-04-007-99.

The sources shall be as reflected in the permit application, plans, documents, drawings, and amendments, except as otherwise noted on pages 5-8 of the Specific Conditions.

Attachment Page

Attachments:

1. Application to Construct Air Pollution Sources, DER Form 17-1.202, and Mr. Earl Hendry's cover letter dated and received April 4, 1986.
2. Mr. C. H. Fancy's letter dated May 2, 1986.
3. Mr. E. J. Oliver's letters (2) dated April 28, 1986, and received May 2, 1986.
4. Dr. Robert S. Sholtes' letter with enclosures dated and received May 5, 1986.
5. Dr. Robert S. Sholtes' letter with enclosure dated May 5, 1986, and received May 7, 1986.
6. Mr. Robert W. McVety's letter dated June 2, 1986.
7. Mr. Victor San Agustin's comments dated August 7, 1986, and received August 11, 1986.

PERMITTEE:
Florida Steel Corporation

Permit Number: AC 29-117627
Expiration Date: March 31, 1987

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 enforceable action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

PERMITTEE:
Florida Steel Corporation

Permit Number: AC 29-117627
Expiration Date: March 31, 1987

GENERAL CONDITIONS

6. The permittee shall at all times properly operate and maintain the facility and system 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 the department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and,
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:
Florida Steel Corporation

Permit Number: AC 29-117627
Expiration Date: March 31, 1987

GENERAL CONDITIONS :

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after 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)
- () Compliance with New Source Performance Standards.

14. The Permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE:
Florida Steel Corporation

Permit Number: AC 29-117627
Expiration Date: March 31, 1987

GENERAL CONDITIONS

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and,
 - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

1. Hours of operation shall not exceed 700 hours per month and 8400 hours per year.
2. The projected maximum total process input rate is 800 pounds of dust per hour from the electric arc furnaces (Nos. 3 & 4).
3. From the common header stack, which includes the exit gases from the lead and zinc baghouses and Reactor 2, the maximum allowable particulate matter emission rate shall not exceed 0.01 gr/dscf (0.20 lb/hr, 140 lbs/mth, 1680 lbs/yr) based on a measured flow rate of 2300 dscfm (3298 acfm @ 300°F).

PERMITTEE:
Florida Steel Incorporation

Permit Number: AC 29-117627
Expiration Date: March 31, 1987

SPECIFIC CONDITIONS:

4. Compliance tests for particulate matter shall be conducted using EPA Method 5 in accordance with FAC Rule 17-2.700 and Appendix A, 40 CFR 60.
5. From the common header stack, there shall be no visible emissions (not greater than 5% opacity). Compliance tests shall be conducted using EPA Method 9 in accordance with FAC Rule 17-2.700 and Appendix A, 40 CFR 60.
6. Compliance tests shall be conducted at 100% of the maximum process input rate. Future compliance tests can be conducted at 90-100% of the maximum process input rate.
7. The Hillsborough County Environmental Protection Commission shall be notified in writing 15 days prior to compliance testing.
8. Objectionable odors shall not be allowed off plant property in accordance with FAC Rule 17-2.620(2).
9. The units are subject to the provisions of FAC Rule 17-2.250(1),(4),(5), and (6), Excess Emissions. When a report of excess emissions is required, the Hillsborough County Environmental Protection Commission shall be notified.
10. According to FAC Rule 17-2.240, Circumvention, no person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.
11. In accordance with FAC Rule 17-2.610(3), no person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any source whatsoever, including, but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrially related activities such as loading, unloading, storing or handling, without taking reasonable precautions to prevent such emissions. Reasonable precautions to be taken may include, but not be limited to the following:
 - a. Paving and maintenance of roads, parking areas and yards.
 - b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.

PERMITTEE:
Florida Steel Incorporation

Permit Number: AC 29-117627
Expiration Date: March 31, 1987

SPECIFIC CONDITIONS:

- c. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar sources.
- d. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the source to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
- e. Landscaping or planting or vegetation.
- f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
- g. Confining wet abrasive blasting where possible.
- h. Enclosure or covering of conveyor systems.

12. Submit an annual operating report by March 1 of each calendar year to the Hillsborough County Environmental Protection Commission containing the annual amount of materials processed and the annual pollutant emissions (calculations and assumptions are to be included).

13. The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, he must notify the department in writing 60 days prior to the expiration of the construction permit and submit a new schedule and request for an extension of the construction permit. (FAC Rule 17-4.09)

To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including the application fee, along with test results and Certificate of Completion, to the Hillsborough County Environmental Protection Commission office 90 days prior to the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate. (FAC Rules 17-4.22 and 17-4.23)

If the construction permit expires prior to the permittee requesting an extension or obtaining a permit to operate, then all activities at the project must cease and the permittee must apply for a new permit to construct which can take up to 90 days to process a complete application. (FAC Rule 17-4.10)

PERMITTEE:
Florida Steel Corporation

Permit Number: AC 29-117627
Expiration Date: March 31, 1987

SPECIFIC CONDITIONS:

14. An Operation and Maintenance plan consistent with the requirements of FAC 17-2.650(2)(d) and (g) shall be submitted to the Hillsborough County Environmental Protection Commission along with the operating permit application(s).

Issued this 9 day of September
1986.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


Victoria J. Techinkel, Secretary

_____ pages attached.



Progress Energy

Michael Olive
Plant Manager
Crystal River Fossil Plant

RECEIVED

OCT 07 2004

BUREAU OF AIR REGULATION

October 6, 2004

Jim Pennington P.E.
Permitting Section
Division of Air Resource Management
2600 Blair Stone Road MS 5500
Tallahassee, Florida 32399-2400

Re: Initial Notification of an Emergency Stationary RICE at Crystal River - permit number 017004-008-AV

Dear Mr. Pennington,

Jamie Hunter and Dave Meyer of Progress Energy met with you, Mike Halpin and Greg DeAngelo on June 4, 2004 to discuss the addition of an emergency generator at Crystal River. We understand from the meeting that the emergency generator would be placed in the Unregulated Emission Unit section of the Title V air permit. We are in the process of renewing the Title V air permit and have included the generator in the unregulated section.

In accordance with 40 CFR Part 63.6665 I have attached the *initial notification* for the emergency generator we are installing at Crystal River Unit 3 (the Nuclear Unit).

The unit will be used according to the provisions for an Emergency Stationary RICE found in 40 CFR 63 subpart ZZZZ.

If you have any questions, please contact Dave Meyer at (727) 826-4187.

Thank you for your time in processing the Initial Notification.

Sincerely,

Michael Olive
Manager, Crystal River Fossil Plant
Responsible Official

MIKE, 10/8/04
DO WE NEED TO
DO ANYTHING ON THIS?
I WILL DO IT.

Attachment

(b) Initial notifications.

(1) (i) The requirements of this paragraph apply to the owner or operator of an affected source when such source becomes subject to a relevant standard.

(ii) If an area source that otherwise would be subject to an emission standard or other requirement established under this part if it were a major source subsequently increases its emissions of hazardous air pollutants (or its potential to emit hazardous air pollutants) such that the source is a major source that is subject to the emission standard or other requirement, such source shall be subject to the notification requirements of this section.

(iii) Affected sources that are required under this paragraph to submit an initial notification may use the application for approval of construction or reconstruction under §63.5(d) of this subpart, if relevant, to fulfill the initial notification requirements of this paragraph.

(2) The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide the following information:

(i) The name and address of the owner or operator;

Mailing Address:
Progress Energy Florida, Inc.
100 Central Avenue CN77
St.Petersburg, Fl. 33701

(ii) The address (i.e., physical location) of the affected source;

Physical Address:
Progress Energy Florida, Inc.
15760 West Powerline St.
Crystal River, FL. 34428

(iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;

40 CFR 63 66665:

Table 8 of this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you. If you own or operate an existing 2SLB, an existing 4SLB stationary RICE, an existing CI stationary RICE, an existing stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, an existing emergency stationary RICE, or an existing limited use stationary RICE, you do not need to comply with any of the requirements

of the General Provisions. **If you own or operate a new stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new emergency stationary RICE, or a new limited use stationary RICE, you do not need to comply with the requirements in the General Provisions except for the initial notification requirements.**

We plan to construct a stationary RICE and meet the requirements of a New Emergency Stationary RICE:

Emergency stationary RICE means any stationary RICE that operates in an emergency situation. Examples include stationary RICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility is interrupted, or stationary RICE used to pump water in the case of fire or flood, etc. Emergency stationary RICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by the manufacturer, the vendor, or the insurance company associated with the engine. Required testing of such units should be minimized, but there is no time limit on the use of emergency stationary RICE in emergency situations and for routine testing and maintenance. Emergency stationary RICE may also operate an additional 50 hours per year in non-emergency situations.

(iv) A brief description of the nature, size, design, and method of operation of the source and an identification of the types of emission points within the affected source subject to the relevant standard and types of hazardous air pollutants emitted; and

The new stationary Compression Ignition diesel engine will be used as an emergency power source at the Crystal River Nuclear station. The unit is a Fairbanks Morse Model Number 38TD8-1/8, Serial number 38D885002TDSM12RM. It is rated to provide approximately 3 MW of electrical power. It will be tested initially and periodically to assure functionality (typically monthly). Total run time per year will meet the requirements of an Emergency Stationary RICE. Emissions will be due to a diesel fuel tank and the engine exhaust. The engine and fuel tank will sit on a concrete foundation slab on the south side of the Crystal River Unit 3 power block.

40 CFR 63 subpart ZZZZ regulates Formaldehyde

Types of Hazardous pollutants according to AP-42 "Large Stationary Diesel and Dual-fueled Engines" :

Benzene

Toluene

Xylenes

Formaldehyde

Acetaldehyde

Acrolein

Naphthalene

(v) A statement of whether the affected source is a major source or an area source.

Crystal River is major source of hazardous air pollutants.

(3) [Reserved]

(4) The owner or operator of a new or reconstructed major affected source for which an application for approval of construction or reconstruction is required under §63.5(d) must provide the following information in writing to the Administrator:

(i) A notification of intention to construct a new major-emitting affected source, reconstruct a major-emitting affected source, or reconstruct a major source such that the source becomes a major-emitting affected source with the application for approval of construction or reconstruction as specified in §63.5(d)(1)(i); and

This is the notification.

(ii) [Reserved]

(iii) [Reserved]

(iv) [Reserved]

(v) A notification of the actual date of startup of the source, delivered or postmarked within 15 calendar days after that date.

We plan to begin construction on the unit in January 2005. The start-up date is estimated to be August 2005.

We will provide the startup notification with in 15 days of the actual startup.

(5) The owner or operator of a new or reconstructed affected source for which an application for approval of construction or reconstruction is not required under §63.5(d) must provide the following information in writing to the Administrator:

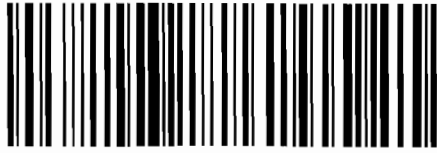
(i) A notification of intention to construct a new affected source, reconstruct an affected source, or reconstruct a source such that the source becomes an affected source, and
This is the notification.

(ii) A notification of the actual date of startup of the source, delivered or postmarked within 15 calendar days after that date.

(iii) Unless the owner or operator has requested and received prior permission from the Administrator to submit less than the information in §63.5(d), the notification must include the information required on the application for approval of construction or reconstruction as specified in §63.5(d)(1)(i).

Progress Energy Florida
Attn: Cynthia Wilkinson - CN77
15760 W. Power Line Street
Crystal River, FL 34428

CERTIFIED MAIL



7003 2260 0004 7129 5547



U.S. POSTAGE

04.65:

H METER 703312

Mr. Jim Pennington, P.E.
Florida Dept. of Environmental Protection
Division of Air Resources
2600 Blair Stone Rd., Ms 5500
Tallahassee, FL. 32399-2400

HPV = NO

Hillsborough staff

determined HPV = No

email from Teresa on 3/12/08.

March 10, 2008

CERTIFIED MAIL NO. 7007 0710 0001 7599 2836

Gulf Coast Metals Co., Inc.
Lee Levant, President
6912 East 9th Ave.
Tampa, FL 33619

RE: Signed Consent Order
Case No. 07-0831AR0119

Dear Mr. Levant:

Enclosed please find your signed copy of the Consent Order pertaining to the referenced case. Please note that the Consent Order is effective on the date it was signed by the Executive Director of the EPC. All interim and final requirements are tracked from this date.

This letter acknowledges receipt of two checks in the amounts of \$245.82 and 6,750.00 from Gulf Coast Metals Co., Inc., in fulfillment of the requirements in Paragraph 13 of the Consent Order.

Paragraph 9 of the Consent Order requires submittal of a plan that establishes procedures to respond to the leak detection system alarm and take corrective measures within one hour of the alarm sounding on or before April 9, 2008. Also due on or before April 9, 2008 is a plan to ensure continuous compliance with the maximum temperature limit of the baghouse filter gases, as required by paragraph 10 of the Consent Order.

If you have any questions regarding your responsibilities as Respondent in this matter, please contact Teresa Berkulis at (813) 627-2600, extension 1257 for additional assistance.

Thank you for your cooperation.

Sincerely,

Reginald Sanford, MPH
Chief, Enforcement & Analysis
Air Management Division

Enclosure

cc: Danielle Henry, FDEP-SW

**BEFORE THE ENVIRONMENTAL PROTECTION
COMMISSION OF HILLSBOROUGH COUNTY**

**ENVIRONMENTAL PROTECTION
COMMISSION OF
HILLSBOROUGH COUNTY,**

Complainant,

vs.

GULF COAST METALS CO., INC.

Respondent.

CASE NO. 07-0831AR0119

CONSENT ORDER

This Consent Order is entered into between the Environmental Protection Commission of Hillsborough County (EPC) and Gulf Coast Metals Co., Inc. (Respondent) to reach settlement of certain matters at issue between the EPC and Respondent pursuant to Chapter 84-446, as amended, Laws of Florida (Hillsborough County Environmental Protection Act or EPC Act), Chapter 403, Florida Statutes (F.S.), and an interagency agreement with the Florida Department of Environmental Protection (DEP) authorizing the EPC to act on its behalf for purposes of federally delegated or approved programs.

The EPC finds and the Respondent admits the following:

1. The EPC is a local regulatory agency authorized to enforce the Hillsborough County Environmental Protection Act, Chapter 84-446, Laws of Florida, and the rules promulgated thereunder including but not limited to Chapters 1-1 and 1-3, Rules of the EPC, and Chapter 403, F.S., and the rules promulgated thereunder, specifically Title 62, Florida Administrative Code (F.A.C.), in Hillsborough County, Florida. The EPC has been specifically authorized by State authority to enforce State rules and statutes concerning air pollution sources, including the subject

secondary aluminum processing facility. The EPC has jurisdiction over the matters addressed in this Consent Order.

2. Respondent is a person within the meaning of Section 403.031(5), F.S.

3. Respondent is the owner and is responsible for the operation of Gulf Coast Metals Co., Inc. a secondary aluminum melting facility (Facility) that processes scrap aluminum received from a variety of businesses and recycling centers. Respondent's facility is a Title V source as defined in section 62-210.200, F.A.C. The facility is an area source subject to the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63, Subpart RRR. The Facility is located at 6912 East 9th Avenue, Tampa, Florida. All of the Facility's operations are subject to the prohibitions and conditions of the EPC Act and rules promulgated thereunder, Florida Statutes and the rules promulgated thereunder, and any EPC and/or DEP orders or permits (if applicable).

4. The EPC finds that the Respondent operates the Facility under DEP/EPC permit No. 0570119-010-AV (Permit) which expires on February 2, 2011. Based on a review of the Facility's records, tests, and reports, some of which were submitted in fulfillment of reporting requirements of the Permit, the EPC finds that Respondent is in violation of the following provisions of 40 CFR 63, Subpart RRR, as adopted by reference in Rule 62-204.800(11)(b)54, F.A.C., and the following specific conditions of the Permit:

a. The failure to comply with the maximum temperature limit of the baghouse inlet filter gases at least 20 times in 2006 and at least 10 times in 2007, in violation of 40 CFR 63.1510(h) and Condition No. A.20.E. of the Permit;

b. The failure to submit the 2006 annual statement of compliance report within 60 days after the end of the calendar year, in violation of 40 CFR 63.10 and Condition No. 8 of the Permit;

c. The failure to record bag leak detection parameters during the August 21, 2006 to September 5, 2006 time period, in violation of 40 CFR 63.1517 and Condition Nos. A.20.E. and A.23(i) of the Permit;

d. The failure to take corrective action within one hour of a bag leak detection system alarm, in accordance with the Facility's Operation, Maintenance and Monitoring (OM&M) Plan, in violation of Condition No. A.20.B. of the Permit;

e. The failure to submit accurate semi-annual statement of compliance reports for calendar years 2006 and 2007, in violation of 40 CFR 63.1516 and 63.1517, and Condition Nos. A.20, A.23 and A.24 of the Permit;

f. The failure to provide detailed reports, including but not limited to excursion time, corrective action time and description of the cause of temperature exceedances that occurred in 2006 and 2007, in violation of 40 CFR 63.1517(b)(3) and Condition Nos. A.20, A.23 and A.24 of the Permit; and

g. The failure to provide detailed reports of the bag leak detection system incidents, including but not limited to, total operating hours, total downtime, time of alarm, type of corrective action and cause of the alarm in the two semi-annual reports for 2006, in violation of 40 CFR 63.1517(b)(1)(i) and Condition No. A.20, A.23, and A.24 of the Permit.

5. On August 31, 2007 and October 4, 2007, EPC staff issued Warning Notices 2007-3387A and 2007-3576A, respectively, to Respondent.

6. In response to the Warning Notices, Respondent provided information explaining the temperature exceedances identified above in paragraph 4.a., submitted the 2006 Annual Statement of Compliance described in paragraph 4.b., revised the semi-annual Statement of Compliance reports for 2006 and 2007 in paragraph 4.e., and provided the necessary details to satisfy the missing reporting information documented in paragraphs 4.f. and 4.g. above.

7. Respondent also reported that the data recorder for the bag leak detection system was inoperable during the August 21, 2006 to September 5, 2006 time period due to a faulty switch, which was replaced on January 12, 2007.

8. Having reached a resolution of the matter, the EPC and the Respondent mutually agree and it is

ORDERED:

9. Within 30 days of the effective date of this Consent Order, Respondent shall submit to EPC staff a plan to ensure that Respondent has procedures in place to respond to the leak detection system alarm and take necessary corrective measures within one hour of the alarm, as required by the Permit and the OM&M Plan. The plan shall include but not be limited to measures to address the alarm when it occurs during non-peak work hours and shall indicate personnel responsible for the response. The plan shall be subject to review and approval by EPC staff and shall be implemented by Respondent upon receipt of written approval. The approved plan shall automatically become an enforceable part of this Consent Order.

10. Within 30 days of the effective date of this Consent Order, Respondent shall submit a plan to ensure continuous compliance with the maximum temperature limit of the baghouse filter gases. The plan shall be subject to review and approval by EPC staff and shall be implemented by Respondent upon receipt of written approval. The approved plan shall automatically become an enforceable part of this Consent Order.

11. Upon the effective date of this Consent Order, Respondent shall implement daily checks and reviews of all equipment used to monitor required parameters to ensure the equipment is functioning properly and recording data as required by the Permit.

12. In the event of a sale or conveyance of the facility or of the property upon which the facility is located, if all of the requirements of this Consent Order have not been fully satisfied, Respondent shall, at least 30 days prior to the sale or conveyance of the property or facility, (1) notify the EPC of such sale or conveyance, (2) provide the name and address of the purchaser, or operator, or person(s) in control of the facility, and (3) provide a copy of this Consent Order with all attachments to the new owner. Additionally, if Respondent sells or leases all or part of the referenced Property or Facility, Respondent shall provide the new owner or lessee with a copy of this Consent Order and shall reserve the right to access the property to complete performance of its terms. Respondent shall remain completely responsible to the EPC for compliance with the terms of this Consent Order regardless of any sale or lease, unless the

new owner or lessee specifically assumes the Respondent's responsibilities hereunder in writing and the EPC's Executive Director specifically approves the assumption in writing.

13. Within 15 days of the effective date of this Consent Order, Respondent shall pay the EPC as follows in settlement of the matters addressed in this Consent Order.

(a) \$245.82 for costs and expenses incurred by the EPC during the investigation of this matter and the preparation and tracking of this Consent Order, made payable to "**The Environmental Protection Commission**" with the notation "EPC Costs."

(b) A civil penalty in the amount of \$6,750, made payable to the "**Pollution Recovery Fund**" and with the notation "Civil Penalty" and the EPC number assigned to this Consent Order found on the first page of this Consent Order.

If Respondent fails to timely pay an agreed penalty or cost in full or any negotiated installment amount or if the Respondent files for bankruptcy, Respondent shall notify EPC within 10 days of missing a payment deadline or filing for bankruptcy and any unpaid balance will become immediately due and owing.

14. If any event, including administrative or judicial challenges by third parties unrelated to the Respondent, occurs which causes delay or the reasonable likelihood of delay, in complying with the requirements of this Consent Order, Respondent shall have the burden of proving the delay was or will be caused by circumstances beyond the reasonable control of the Respondent and could not have been or cannot be overcome by Respondent's due diligence. Economic circumstances shall not be considered circumstances beyond the control of Respondent, nor shall the failure of a contractor, subcontractor, materialman or other agent (collectively referred to as "contractor") to whom responsibility for performance is delegated to meet contractually imposed deadlines be a cause beyond the control of Respondent, unless the cause of the contractor's late performance was also beyond the contractor's control. Upon occurrence of an event causing delay, or upon becoming aware of a potential for delay, Respondent shall notify the EPC orally within 24 hours or by the next working day and shall, within 7 calendar days of oral notification to the EPC, notify the EPC in writing of the

anticipated length and cause of the delay, the measures taken or to be taken to prevent or minimize the delay and the timetable by which Respondent intends to implement these measures. If the parties can agree that the delay or anticipated delay has been or will be caused by circumstances beyond the reasonable control of Respondent, the time for performance hereunder shall be extended for a period equal to the agreed delay resulting from such circumstances. Such agreement shall adopt all reasonable measures necessary to avoid or minimize delay. Failure of Respondent to comply with the notice requirements of this Paragraph in a timely manner shall constitute a waiver of Respondent's right to request an extension of time for compliance with the requirements of this Consent Order.

15. Persons who are not parties to this Consent Order, but whose substantial interests are affected by this Consent Order, have a right, pursuant to Sections 120.569 and 120.57, F.S., to petition for an administrative hearing on the Consent Order. The Petition must contain the information set forth below and must be filed (received) at the EPC's Legal Department, 3629 Queen Palm Drive, Tampa, Florida 33619 within 21 days of receipt of this Consent Order. Failure to file a petition within the 21 days constitutes a waiver of any right such person has to an administrative hearing pursuant to Sections 120.569 and 120.57, F.S.

The petition shall contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the EPC's final action may be different from the position taken by it in this Consent Order. Persons whose substantial interests will be affected by any decision of the EPC with regard to the subject Consent Order have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 21 days of receipt of this Consent Order in the EPC Legal Department at the above address of the EPC. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Sections 120.569 and 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-106.205, F.A.C.

A person whose substantial interests are affected by the Consent Order may file a timely petition for an administrative hearing under Sections 120.569 and 120.57, F.S. **Mediation is not available.**

16. Respondent shall allow all authorized representatives of the EPC access to the property and Facility at reasonable times for the purpose of determining compliance with the terms of this Consent Order and the rules and statutes of the DEP and EPC. Determining compliance, includes but is not limited to, inspection, sampling, taking photographs or video and testing.

17. All submittals and payments required by this Consent Order to be submitted to the EPC shall be sent to the Air Management Division, Reggie Sanford, EPC at 3629 Queen Palm Drive, Tampa, Florida 33619.

18. This Consent Order is a settlement of the EPC's civil and administrative authority arising under Florida law to resolve the matters addressed herein. This Consent Order is not a settlement of any potential criminal liabilities which may arise under Florida law, nor is it a settlement of any violation which may be prosecuted criminally or civilly under federal law.

19. The EPC hereby expressly reserves the right to initiate appropriate legal action to prevent or prohibit any violations of applicable statutes, or the rules promulgated thereunder that are not specifically addressed by the terms of this Consent Order, including but not limited to undisclosed releases, contamination, or polluting conditions.

20. The terms and conditions set forth in this Consent Order may be enforced in a court of competent jurisdiction pursuant to Sections 120.69 and 403.121, F.S. Failure to comply with the terms of this Consent Order shall constitute a violation of Section 403.161(1)(b), F.S., and the EPC Act.

21. The EPC, for and in consideration of the complete and timely performance by Respondent of the obligations agreed to in this Consent Order, hereby waives its right to seek judicial imposition of damages or civil penalties for alleged and known violations through the date of the filing of this Consent Order as addressed in this Consent Order.

22. Respondent is fully aware that a violation of the terms of this Consent Order may subject Respondent to judicial imposition of damages, civil penalties up to \$10,000.00 per day per violation, and criminal penalties.

23. Entry of this Consent Order does not relieve Respondent of the need to comply with applicable federal, state or local laws, regulations or ordinances, and all applicable permits and orders issued under those acts, ordinances, and regulations. This Consent Order shall not be a defense to any actions commenced pursuant to said laws, regulations, ordinances, orders, or permits, except as expressly described in this Consent Order.

24. No modifications of the terms of this Consent Order shall be effective until reduced to writing and executed by both Respondent and the EPC.

25. Respondent acknowledges and waives its right to an administrative hearing pursuant to Sections 120.569 and 120.57, F.S., on the terms of this Consent Order. Respondent acknowledges its right to appeal the terms of this Consent Order pursuant to Section 120.68, F.S., and waives that right upon signing this Consent Order. Respondent hereby foregoes, surrenders, waives, and disclaims any and all other hearing and appeal rights under Chp. 120, F.S. or Sec. 9 of the EPC Act and any and all other suits, appeals, claims, or causes of action in any court of competent jurisdiction, including but not limited to County Court, Circuit Court, the Division of Administrative Hearings, appellate courts, or the EPC hearing processes against the EPC and DEP arising out of or relating to the violations specifically addressed in this Consent Order, and Respondent, and its counsel, further agree not to encourage, cooperate with or support any such actions by other parties or entities to challenge this Consent Order or the validity of the violations specifically addressed herein. If Respondent is charged with violation of this Consent Order, Respondent does not waive its right to prove compliance with the terms of this Consent Order in any court of competent jurisdiction.

26. The provisions of the Consent Order shall apply to, inure, and be binding upon the parties and their successors and assigns. Each of the parties hereby agrees that in the event one of the parties attempts to enforce the terms of this Consent Order, no defense will be raised as to the validity or enforceability of this Consent Order. This Consent Order shall be construed and enforced under Florida Law.

27. All parties agree to pay their own fees and costs, including attorney's fees and costs, related to the violations addressed in this Consent Order and incurred up to the date of execution of this Consent Order, but for any cost and fees provided for in this Consent Order.

28. The EPC does not, by execution of this Consent Order, warrant or assert in any manner that the Respondent's compliance with this Consent Order will result in compliance with its permits. Notwithstanding the EPC's review or approval of any plans, reports, schedules,

policies, or procedures prepared pursuant to this Consent Order, the Respondent shall remain solely responsible for any non-compliance with the terms of this Consent Order, all applicable federal, state or local laws, regulations or ordinances, and all applicable permits issued under those acts and regulations.

29. This Consent Order is a final order of the EPC pursuant to Section 120.52(7), F.S., and it is final and effective on the date filed with the Clerk of the EPC unless a Petition for Administrative Hearing is filed in accordance with Chapter 120, F.S. Upon the timely filing of a petition, this Consent Order will not be effective until further order of the EPC.

Date

RESPONDENT:

By Signature: _____

Print: _____

Title: _____

State of _____

County of _____

I, the undersigned _____ (printed name of Affiant), being duly sworn, do affirm that I am the authorized agent for Respondent Gulf Coast Metals Co., Inc. that I am authorized to bind and obligate the Respondent by my signature, and that it is my signature that first appears above on behalf of the Respondent.

Signature _____

Title _____

Sworn to and subscribed before me this ____ day of _____, 2008, by _____ (printed name of Affiant), who is ____ personally known to me, or who produced _____ as identification.

Notary Public

DONE AND ORDERED this _____ day of _____, 2008,
in _____, Florida.

ENVIRONMENTAL PROTECTION
COMMISSION OF
HILLSBOROUGH COUNTY

Richard Garrity, PhD
Executive Director

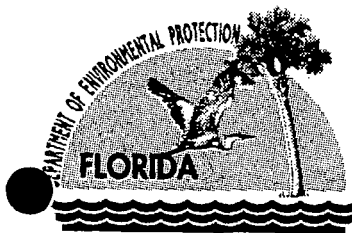
FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to §120.52 Florida Statutes, with the designated EPC Clerk, receipt of which is hereby acknowledged.

Clerk

Date

Copies furnished to: Danielle Henry, DEP-SW

Gulf Coast Metals CO
02/28/08



Department of Environmental Protection

Jeb Bush
Governor

Southeast District
400 N. Congress Ave. Suite 200
West Palm Beach, Florida 33401

Colleen M. Castille
Secretary

JAN 11 2005

CERTIFIED MAIL #7002 0860 0006 8780 8921

WARNING LETTER

Hank Green, Facility Manager
Montenay Power Corporation
6990 NW 9th Ave.
Miami, FL 33178

WL05-0001AS13SED
AP - Miami-Dade County

Subject: Numerous Exceedances of Carbon Monoxide Emission Limits Greater than 10% of the Operation Time in Each Quarter of Calendar Years 2002, 2003 and 2004 by Miami-Dade Resource Recovery Facility (Montenay), ID #0250348

Dear Mr. Green:

The purpose of this letter is to advise you of possible violations of law for which you may be responsible, and to seek your cooperation in resolving the matter. A comprehensive review of Air Emission Immediate Notifications and Quarterly Excess Emissions Reports reveals that violations of Florida statutes and rules may have occurred at the above-described facility. The review of the notifications and reports showed that the facility may not be maintained and operated in a manner consistent with good air pollution control practice. Specifically, carbon monoxide (CO) emissions exceeded the limit stipulated in Title V Permit 0250348-005-AV of 200 parts per million corrected to 7% oxygen, dry basis, 24-hour daily arithmetic average greater than 10% of the operation time in each quarter of calendar years 2002, 2003 and 2004.

Section 403.161(1)(b), Florida Statutes, provides that it is a violation to fail to comply with any rule, regulation, order, permit or certification adopted or issued by the Department pursuant to its lawful authority. Specifically, it is a violation of Title V Permit 0250348-004-AV, Specific Condition B.43 to fail to maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions at all times, including periods of startup, shutdown and malfunction, to the extent practicable.

The above incidents, and any other activities at your facility that may be contributing to violations of the above described statutes and rules, should be corrected immediately. The operation of a facility in violation of state statutes or rules may result in liability for damages and restoration, and the imposition of administrative penalties of up to \$10,000.00 pursuant to Section 403.121, Florida Statutes, or the

"More Protection, Less Process"

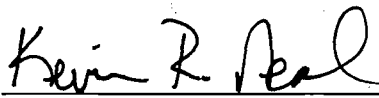
Printed on recycled paper.

judicial imposition of civil penalties up to \$10,000.00 per violation per day pursuant to Sections 403.141 and 403.161, Florida Statutes.

You are requested to contact Allen Rainey or Laxmana Tallam of this office at 561-681-6623 or 681-6624, respectively, within 15 days of receipt of this Warning Letter to arrange a meeting with Department personnel to discuss this matter. The Department is interested in reviewing any facts you may have that will assist in determining whether any violations have occurred. You may bring anyone with you to the meeting that you feel may help resolve this matter.

PLEASE BE ADVISED that this Warning Letter is part of an agency investigation preliminary to agency action in accordance with Section 120.57(4), Florida Statutes. We look forward to your cooperation in completing the investigation and resolution of this matter.


Sincerely,



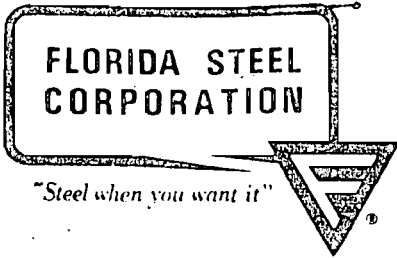
1/10/05

Kevin R. Neal
District Director
Southeast District

Date

KRN/TT/LT/

cc: Dianne Spingler, DARM, DEP, Tallahassee (Dianne.Spingler@dep.state.fl.us)
Greg DeAngelo, DARM, DEP, Tallahassee (Greg.DeAngelo@dep.state.fl.us)
Larry Morgan, OGC, DEP, Tallahassee (Larry.Morgan@dep.state.fl.us)
Lee Casey, Dept. of Solid Waste Mgmt. (Le1@miamidade.gov)
H. Patrick Wong, Miami-Dade Dept. of Environmental Resources
Management (wong@miamidade.gov)
Air Enforcement Files, DEP, West Palm Beach



Victor
Phone 813-621-3511

RECEIVED

TAMPA STEEL MILL DIVISION APR 7 1987
7105 6th AVENUE • P.O. BOX 23328 • TAMPA, FL 33623

E.P.C. of H.C.

April 6, 1987

Mr. Victor San Agustin
Senior Air Permitting Engineer
Hillsborough County Environmental
Protection Commission
1900 9th Avenue
Tampa, Florida 33605

DER
APR 13 1987
BAQM

Re: Request for Extension of Construction Permit
Number AC29-117627

Dear Victor:

This letter is a request for extension of the construction permit issued to Florida Steel Corporation on September 5, 1986 for construction of a dust reclamation system.

The request is for a 12 month extension. The reason we are requesting this extension is to allow sufficient time to develop the process and select suitable components. It should be noted that this is the first installation of this particular process and due to the developmental nature of the work, a firm completion date can not be given. Attached is a copy of the current status report on the project.

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

Sincerely,

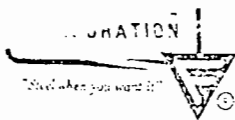
FLORIDA STEEL CORPORATION

T. J. Sack
Division Engineer

vb

cc: Earl Hendry

attachment



TAMPA STEEL MILL DIVISION • TAMPA, FLORIDA

April 6, 1987

TO: Earl Hendry
FROM: Tom Sack
SUBJECT: Electric Arc Furnace Dust Reclamation Project -
Status Report 4/06/87

Dust Storage and Feed

Aeration pads have been installed in the storage bin. These should assure a flow of material to the pelletizer.

Oxidation Chamber

The refractory nozzle has been replaced and the insulating lining has been repaired. The working lining appears to be spalling off in pieces approximately 1" thick. We will try another trial run and keep an eye on the refractory.

A hole has been core drilled in the refractory for embedding a thermocouple. The accuracy of measuring "o"-chamber temperature using this thermocouple will be determined during the next run.

Crusher Rolls

A second set of crusher rolls will be installed to improve the sizing of the "O"-chamber product. In addition, both sets of crusher rolls will be raised to allow room for observing and cleaning the chute above the "R"-Valves.

"R" Chamber

The lead screw that passes through the "R" chamber froze after cooling during the last run. The "R"-chamber temperature was brought up to 1600°F and held for 24 hours. The lead screw broke free at 1600°F.

The quality of the gas generated by the gas generator will be checked to determine if the gas generator is operating satisfactory.

Zinc Condenser - Cool Mix Conveyor

During the previous run product from the "R" Chamber was discharged prior to passing through the cool mix conveyor. This discharge point allowed air to be drawn into the zinc condenser causing the zinc to oxidize. The flow of atmosphere gas was increased to slightly pressurize the discharge point and eliminate air infiltration. During the next run, this discharge point will be capped, the product will be conveyed through the cool mix conveyor and discharged through a rotary valve.

Lead Baghouse

The residue collected in the lead baghouse is being analyzed and methods to handle this material are being evaluated.

During the next run the cleaning cycle of the pulse jet on the baghouse will be adjusted to see if cleaning of the bags can improve. Also, an attempt to feed product at the design rate will be tried to determine if the baghouse capacity is adequate.

Summary

From the test runs made to date, the process shows some promise. The levels of lead, cadmium, and zinc in the E.C. dust are being reduced. Due to the highly mechanized components of the process a large amount of time is being devoted to design changes and component selection.

Additional trial runs will be made to determine performance and suitability of components.



TS:vb

cc: Mr. Victor San Agustin

ATTACHMENT 10

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY

April 16, 1987

Mr. Earl Hendry
Division Manager
Florida Steel Corporation
7105 6th Avenue
P.O. Box 23328
Tampa, Florida 33623

Dear Mr. Hendry:

Re: Expiration Date Extension for the Construction Permit:
AC 29-117627

The department is in receipt of Mr. T. J. Sack's letter with attachment dated April 6, 1987, which requested an extension of the expiration date for the above referenced permit. The following shall be changed and added:

Expiration Date:

From: June 30, 1987
To: June 30, 1988

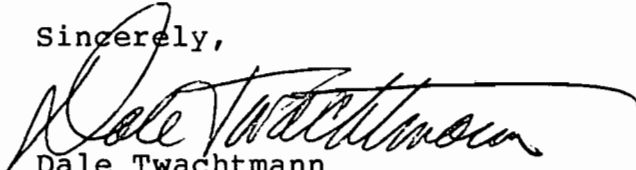
Attachments to be Incorporated:

10. Mr. T. J. Sack's letter with attachment dated April 6, 1987, and received by HCEPC on April 7, 1987.
11. Mr. Victor San Agustin's memorandum with enclosure dated April 8, 1987, and received April 13, 1987.

Mr. Earl Hendry
Page Two
April 16, 1987

This letter must be attached to your construction permit No. AC 29-117627 and shall become a part of the permit.

Sincerely,



Dale Twachtmann
Secretary

DT/ks

cc: T. J. Sack
Victor San Agustin
William C. Thomas
Julia C. Costas, Esq.

Golder Associates Inc.

6241 NW 23rd Street, Suite 500
Gainesville, FL 32653-1500
Telephone (352) 336-5600
Fax (352) 336-6603



RECEIVED

MAY 19 2003

0339569

May 16, 2003

Mr. A.A. Linero, Administrator
New Source Review Section
Division of Air Resources Management
Florida Department of Environmental Protection
Mail Station #5505
2600 Blair Stone Road
Tallahassee, FL 32399-2400

BUREAU OF AIR REGULATION

Attention: Mr. Jeffery F. Koerner, P.E.

RE: DEP FILE NO. 099-0568-001-AC/PSD-FL-266
LAKE WORTH GENERATION, L.L.C., COMBINED CYCLE PROJECT
PERMIT AMENDMENT

Dear Jeff:

As previously discussed, the construction of the Project was suspended on September 30, 2002, due to the uncontrollable and unforeseen circumstances brought on by the ENRON and NEPCO bankruptcies and the developments in the energy sector. LWG is seeking an alternative for the Project, which would not change the emission limiting standards established for the original design of the project and would decrease potential emissions. The Project is being changed from a combined cycle project to a simple cycle project with a decrease in the hours of operation. As provided in the semi-annual progress reports, the components for simple cycle operation are close to construction completion.

It is anticipated that construction would resume in September 2003 and require about 9 months to a year for completion and testing. An expiration date of March 31, 2005, is being requested to accommodate all final compliance testing and preparation and submittal of the Title V permit application.

Your expeditious review and processing of this amendment will be appreciated. Please call if you have questions.

Sincerely,

GOLDER ASSOCIATES INC.

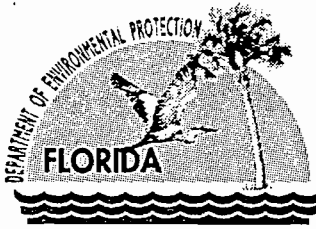
Kennard F. Kosky, P.E.
Principal

KFK/nav

cc: Mr. Derald Wildharber, Lake Worth Generation, L.L.C.
Mr. Brian Chatlosh, Lake Worth Generation, L.L.C.
Mr. Isadore Goldman, FDEP, Southeast District
Mr. James Stormer, Palm Beach County Health Department
Mr. Richard Zwolak, Golder Associates Inc., Tampa

Q. Little, EPA

P:\Projects\2003\0339569 Lake Worth\44.1\NL051603.doc



Jeb Bush
Governor

Department of Environmental Protection

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

David B. Struhs
Secretary

June 16, 2003

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Brian Chatlosh, Manager
Lake Worth Generation, L.L.C.
245 Winter Street, Suite 300
Waltham, MA 02451

Re: **Request for Additional Information**
Project No. 0990568-003-AC (PSD-FL-266C)
Lake Worth Generation, L.L.C. (LWG)
Change to Simple Cycle Operation Only

Dear Mr. Chatlosh:

On May 19, 2003, the Department received your application and sufficient fee for an air construction permit to modify the existing PSD air permit to reflect simple cycle operation only. On June 6, 2003, the Department emailed a request for the following information:

1. Please provide a copy of the lease agreement between LWG and the City of Lake Worth.
2. Will all of the electricity generated be delivered to the grid? Who will get the revenues?
3. Who will determine when the gas turbine will startup?
4. At this point, who actually owns the gas turbine?
5. What is the corporate status and organizational structure of LWG? Who is the general partner?
6. What is the corporate status and organizational structure of FMPPA? Who are the members?
7. Please provide the "memorandum of understanding" between FMPPA and the City of Lake Worth.

The application is incomplete. In order to continue processing your application, the Department will need the above requested additional information. Should your response to any of the items require new calculations, please submit the new calculations, assumptions, reference material and appropriate revised pages of the application form.

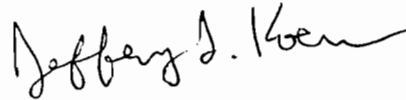
The Department will resume processing your application after receipt of the requested information. Rule 62-4.050(3), F.A.C. requires that all applications for a Department permit must be certified by a professional engineer registered in the State of Florida. This requirement also applies to responses to Department requests for additional information of an engineering nature. For any material changes to the application, please include a new certification statement by the authorized representative or responsible official. You are reminded that Rule 62-4.055(1), F.A.C. now requires applicants to respond to requests for information within 90 days or provide a written request for an additional period of time to submit the information.

"More Protection, Less Process"

Printed on recycled paper.

If you have any questions regarding this matter, please call me at 850/921-9536.

Sincerely,



Jeffery F. Koerner
New Source Review Section

cc: Mr. Ken Kosky, Golder Associates Inc.
Mr. Derald Wildharber, LWG
Mr. Tom Tittle, SED
Mr. James Stormer, PBCHD
Mr. Jim Little, EPA Region 4
Mr. John Bunyak, NPS



Progress Energy

Jacob,
Add this to
Project 1070004-012-Ac
as "correspondance"

July 20, 2006

RECEIVED

JUL 21 2006

BUREAU OF AIR REGULATION

Mr. Jeff Koerner P.E.
FDEP
North Permitting Section
Division of Air Resource Management
2600 Blair Stone Road MS 5500
Tallahassee, Florida 32399-2400

Re: Crystal River Facility – Air Construction Permit 0170004-012-AC – Sub-bituminous Blend Trial Burn

Dear Mr. Koerner:

Section 3 item number 11 of the above referenced construction permit requires that Progress Energy submit a Trial Burn Report within 60 days of completing the trial burn,

The Trial Test Report is attached.

If you have any questions, please contact Dave Meyer at (727) 820 5295. Thank you very much for your help in this matter.

Sincerely,

Dave Meyer

Dave Meyer P.E.
Senior Environmental Specialist

21 West Church Street
Jacksonville, Florida 32202-3139

August 24, 2005

RECEIVED

AUG 29 2005

BUREAU OF AIR REGULATION



Michael P. Halpin, P.E.
North Permitting Section
Bureau of Air Resources
Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road,
Tallahassee, FL 32399-2400

E L E C T R I C

Subject: Request for Additional Information – Response
JEA Brandy Branch Generating Station

W A T E R

Dear Mr. Halpin:

S E W E R

Please find the following responses to your Request for Additional Information letter dated May 31, 2005 regarding the Brandy Branch Generating Station permit application submitted to the Department on May 23, 2005. JEA appreciates the cooperation of the Department in crafting a permit that acts to both provide all regulatory requirements for the facility while at the same time allowing for efficient operation of the facility under the conditions of the permit.

RAI Item 1: Please provide support for JEA's contention that the maximum true vapor pressure of the fuel oil storage tanks is less than 3.5 kilopascals, rendering inapplicable 40 CFR 60 Subpart Kb. Also, it is noted that existing PSD permit revisions are not prompted as a result of changes within affected NSPS Standards, whether such standards becoming more (or less) stringent.

JEA Response: While earlier versions of Subpart Kb required limited record keeping requirements (as identified in the current facility permits) for storage tanks with a maximum true vapor pressure less than 3.5 kPa, a revision of October 15, 2003 to the rule removed this requirement for tanks storing liquids with a maximum true vapor pressure less than 3.5 kPa, making the NSPS not applicable to such storage vessels.

A demonstration of the tank's maximum true vapor pressure is included on page 2 of the attached EPA TANKS 4.0 Model output. Here, the maximum vapor pressure for distillate fuel oil #2 is calculated by EPA's TANKS 4.0 program as 0.0107 psia, or 0.074 kPa after unit conversion. With a calculated maximum true vapor pressure much less than 3.5 kPa, we believe NSPS Subpart Kb is no longer applicable to the distillate fuel oil storage tanks.

RAI Item 2: The application requests removal of Condition 31 of PSD-FL-310, which requires (in part) monitoring of the fuel sulfur content of natural gas. The rationale supplied for the elimination of the condition is related to JEA's interpretation of 40 CFR 60.334, whereby a tariff sheet may be used to demonstrate that the maximum total sulfur content of the fuel is 20.0 grains or less, qualifying as natural gas per 40 CFR 60.331. Further, JEA has provided a tariff sheet demonstrating that the natural gas delivered to Brandy Branch "shall contain not more than ten (10) grains of total sulphur per one hundred (100) cubic feet of gas". Accordingly, JEA requests removal of the PSD permit sulfur monitoring requirements.

The Department notes that the referenced condition was intended to ensure compliance with the federal requirements for natural gas sulfur content (20 grains per 100 cf) as well as to provide a means of demonstrating compliance with the established (more stringent) BACT standard of 2 grains per 100 cf. Removal of the condition appears to incidentally eliminate the latter requirement as well as the former. Given the history of issues related to potential SO₂ emissions from this facility, a means of compliance with the BACT standard continues to be necessary.

JEA Response: JEA understands the Department's position on maintaining a means of compliance with the natural gas sulfur content and accepts that the Department will not change the existing permit conditions regarding demonstrating compliance with the BACT natural gas sulfur standard.

RAI Item 3: As currently structured, Condition 45 of PSD-FL-310 requires that BACT established "Ammonia emissions shall be calculated continuously using inlet and outlet NO_x concentrations from the SCR system and ammonia flow supplied to the SCR system" in addition to the continuous measurement of dry gas exhaust flow rate. The intent of the condition was to provide a method for real-time measurement of ammonia slip, via an alternative to an ammonia slip Continuous Emissions Monitor. The JEA proposal has the effect of changing the method of compliance to be one which has a different, single measurement (ammonia injection rate), proposed for comparison to a maximum ammonia injection rate, which is calculated from conditions determined during the most recent annual stack emission test. As proposed, the unit is assumed to be in compliance with the ammonia slip limit, unless the ammonia injection rate exceeds the calculated maximum injection rate over a 3-hour average; clearly, such a method is less rigorous than the current permit requirements.

The Department is willing to consider alternative equations, provided that the ammonia slip is calculated continuously; methods known to the Department for continuous ammonia slip indication use inlet and outlet NO_x concentrations plus ammonia flow; alternatively, a continuous ammonia slip analyzer may be utilized. Notwithstanding the potential problems expressed by JEA, this same method of compliance with the BACT standard of PSD-FL-310 has been required and is in use at other locations within Florida and California, as previously indicated by the Department.

JEA Response: JEA requests that for compliance that the approach to ammonia slip monitoring follow that of the most recent Florida permits issued for similar sources (e.g., FPL Turkey Point, FPL Manatee Unit 3, FPL Martin Unit 8, Hines Energy Complex Power Block 4), which would represent the most up-to-date FDEP thinking regarding ammonia monitoring. In these recent FDEP permits, ammonia is monitored with annual stack tests and the ammonia flow to the system is monitored. Compliance with ammonia slip limits are verified with the annual ammonia slip performance testing. The ammonia flow monitoring information is used only if there is a problem with the NO_x CEMS, whereby the monitored ammonia flow is used to confirm that there is continuous compliance with the BACT NO_x levels in lieu of NO_x CEMS data. In these recent permits, the ammonia flow monitor is not for use in determining compliance with ammonia slip limits.

However, JEA proposes that the ammonia equation be used to control ammonia addition and to continuously monitor NH₃, but not for compliance. The calculated slip number would serve as an indicator of slip and to assist in determining appropriate injection rates, particularly at lower loads, but would not be the method of compliance for determining the level of slip. A calculated number above the permitted NH₃ slip level would result in JEA taking appropriate and timely action. JEA would like to reserve the right to renegotiate this provision in the event that problems with this approach arise in the future.

RAI Item 4: Please provide further justification for the elimination of the lower range NOx span requirement of 10 ppm, which is currently required within PSD-FL-310 Condition 41. It is our understanding that Part 75 provides for a state, local or federal requirement for a lower span (than that required by Part 75), but not a higher span without EPA approval.

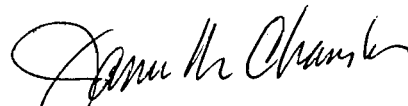
JEA Response: It is unnecessary to specify a NOx analyzer range within the permit because Part 75 already addresses such details. Appendix A of Part 75 includes provisions that require sources to set measurement ranges that "ensure good measurement accuracy." Appendix A §2.1.2.4 details the requirements for dual range NOx analyzers. To assure that the ranges are adequate, sources are required, at least annually, to evaluate their emissions data and make changes to the ranges or spans, if needed. Specifying a particular analyzer range (high or low) in the permit is not only unnecessary, but runs counter to the annual span/range evaluation required in Part 75. The inclusion of such language only complicates the process.

RAI Item 5: Regarding the requested changes to the maximum heat input rates specified within Condition A.5. of the Title V permit, the permit accurately reflects the language within permit PSD-FL-267. As worded, the request (and suggested use of the adjective "nominal") appears to water down the intention of providing for a heat input limitation within the permit. Should JEA desire an increase to the maximum heat rates of any of the combustion turbines, appropriate PSD permit revisions along with corresponding justifications are required. The Department notes that none of the affected permits require JEA to provide "regular record keeping" of hourly heat input rates beyond those currently required by and routinely reported to EPA's Acid Rain Program.

JEA Response: JEA concurs and requests that no changes be made to the existing language in the permit pertaining to input rates, capacity, etc.

JEA appreciates the opportunity to work with the Florida Department of Environmental Protection in obtaining the required air quality permits for the JEA Brandy Branch Generating Station. Should you have any questions or concerns regarding the above RAI responses, or need additional information, please do not hesitate to call me at (904) 665-6247.

Sincerely,



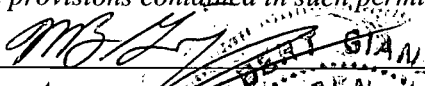
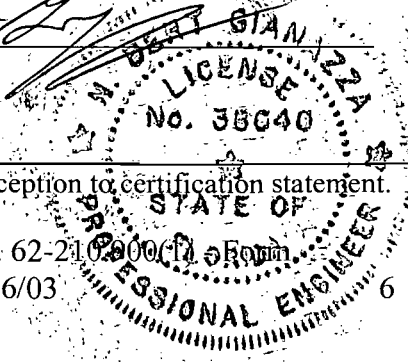
James M. Chansler, P.E., D.P.A.
Responsible Official
Vice President, Operations and Maintenance



cc: Richard Robinson, P.E., EQD

APPLICATION INFORMATION

Professional Engineer Certification

1. Professional Engineer Name: N. Bert Gianazza Registration Number: 38640
2. Professional Engineer Mailing Address... Organization/Firm: JEA Street Address: 21 W. Church Street City: Jacksonville State: FL Zip Code: 32202
3. Professional Engineer Telephone Numbers... Telephone: (904) 665 - 6247 ext. Fax: (904) 665 - 7376
4. Professional Engineer Email Address: giannb@jea.com
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i> <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/> , if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input type="checkbox"/> , if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input type="checkbox"/> , if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/> , if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i> Signature  Date <u>8/24/05</u> (seal) 

* Attach any exception to certification statement.

TANKS 4.0
Emissions Report - Detail Format
Tank Identification and Physical Characteristics

Identification

User Identification: Jacksonville 1
City: Jacksonville
State: Florida
Company: JEA
Type of Tank: Vertical Fixed Roof Tank
Description: BBGS No. 2 Fuel Oil Tanks

Tank Dimensions

Shell Height (ft): 40.00
Diameter (ft): 70.00
Liquid Height (ft): 38.00
Avg. Liquid Height (ft): 38.00
Volume (gallons): 1,000,000.00
Turnovers: 2.73
Net Throughput (gal/yr): 2,731,560.00
Is Tank Heated (y/n): N

Paint Characteristics

Shell Color/Shade: White/White
Shell Condition: Good
Roof Color/Shade: White/White
Roof Condition: Good

Roof Characteristics

Type: Cone
Height (ft): 40.00
Slope (ft/ft) (Cone Roof): 1.14

Breather Vent Settings

Vacuum Settings (psig): -0.03
Pressure Settings (psig): 0.03

Meteorological Data used in Emissions Calculations: Jacksonville, Florida (Avg Atmospheric Pressure = 14.75 psia)

TANKS 4.0
Emissions Report - Detail Format
Liquid Contents of Storage Tank

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F)			Liquid Bulk Temp. (deg F)	Vapor Pressures (psia)			Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
		Avg.	Min.	Max.		Avg.	Min.	Max.					
Distillate fuel oil no. 2	All	69.96	64.29	75.63	68.02	0.0089	0.0075	0.0107	130.0000			188.00	Option 5: A=12.101, B=8907

TANKS 4.0 Emissions Report - Detail Format Detail Calculations (AP-42)

Annual Emission Calculations	
Standing Losses (lb):	170.4786
Vapor Space Volume (cu ft):	59,009.5819
Vapor Density (lb/cu ft):	0.0002
Vapor Space Expansion Factor:	0.0390
Vented Vapor Saturation Factor:	0.9928
Tank Vapor Space Volume	
Vapor Space Volume (cu ft):	59,009.5819
Tank Diameter (ft):	70.0000
Vapor Space Outage (ft):	15.3333
Tank Shell Height (ft):	40.0000
Average Liquid Height (ft):	38.0000
Roof Outage (ft):	13.3333
Roof Outage (Cone Roof)	
Roof Outage (ft):	13.3333
Roof Height (ft):	40.0000
Roof Slope (ft/ft):	1.1400
Shell Radius (ft):	35.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0002
Vapor Molecular Weight (lb/lb-mole):	130.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0089
Daily Avg. Liquid Surface Temp. (deg. R):	529.6301
Daily Average Ambient Temp. (deg. F):	67.9958
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	527.6858
Tank Paint Solar Absorptance (Shell):	0.1700
Tank Paint Solar Absorptance (Roof):	0.1700
Daily Total Solar Insulation Factor (Btu/sqft day):	1,454.2864
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0390
Daily Vapor Temperature Range (deg. R):	22.6724
Daily Vapor Pressure Range (psia):	0.0032
Breather Vent Press. Setting Range (psia):	0.0600
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0089
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0075
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0107
Daily Avg. Liquid Surface Temp. (deg R):	529.6301
Daily Min. Liquid Surface Temp. (deg R):	523.9620
Daily Max. Liquid Surface Temp. (deg R):	535.2982
Daily Ambient Temp. Range (deg. R):	21.8750
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9928
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0089
Vapor Space Outage (ft):	15.3333

TANKS 4.0
Emissions Report - Detail Format
Detail Calculations (AP-42)- (Continued)

Working Losses (lb):	75.6484
Vapor Molecular Weight (lb/lb-mole):	130.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0089
Annual Net Throughput (gal/yr.):	2,731,560.000
	0
Annual Turnovers:	2.7316
Turnover Factor:	1.0000
Maximum Liquid Volume (gal):	1,000,000.000
	0
Maximum Liquid Height (ft):	38.0000
Tank Diameter (ft):	70.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	246.1270

TANKS 4.0
Emissions Report - Detail Format
Individual Tank Emission Totals

Annual Emissions Report

Components	Losses(lbs)		Total Emissions
	Working Loss	Breathing Loss	
Distillate fuel oil no. 2	75.65	170.48	246.13



FPL

June 16, 2005

RECEIVED

JUN 22 2005

BUREAU OF AIR REGULATION

M.P. Halpin – Permit Engineer
2600 Blair Stone Road
Tallahassee, Florida
32399-2400

Re: Comments to Manatee Plant Reburn Project Draft Permit 0810010-010-AC

Dear Mr. Halpin,

Florida Power & Light Company respectfully submits the following comments to the Draft Permit referenced above:

I. Conditions of Construction

Specific Condition 2. – FPL previously agreed with the Department to submit a report summarizing the 18 month program designed to evaluate the nitrogen oxides emissions rates, boiler performance and Unit operation outlined in Paragraph 7 of the Reburn Agreement (September 2002). Providing the Department with semi-annual reports summarizing status of construction, test programs conducted, and test program results as required by Specific Condition 2 of the Draft AC Permit was not addressed in the terms of the agreement and is inconsistent with the many AC permits that FPL has acquired. The additional reporting created by this Specific Condition is burdensome and will take already limited Plant resources from the critical tasks associated with commissioning and optimizing the potentially complex application of Reburn technology on Manatee Units 1 & 2. FPL requests that this Specific Condition is deleted in its entirety, as there is no regulatory basis for this condition, and, reporting terms and conditions were previously established in the “Agreement”.

Specific Condition 3. - Due to the many different configurations, variables, and scheduling perturbations anticipated with the commissioning the Reburn system, providing notice to the Department of “any test program which involves stack testing (formal or informal)” as required by Specific Condition 3 is unprecedented in any FPL permit, and places undue burdens on both the Manatee Plant and the DEP Southwest District Office.

FPL suggests the following language replace the existing language of Specific Condition 3; *“FPL shall notify the DEP Southwest District, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator as provided by Rule 62-297.310. “*

Specific Condition 5. – FPL suggests that this Condition be reworded to begin, *“All compliance tests shall be...”*

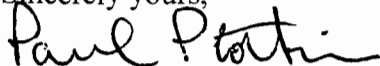
Specific Condition 9. – As-built drawings are not typically provided to the Department for construction projects. In many instances, the delivery of as-built drawings to the owner/operator lags many months after the final acceptance of the project. In addition, the novel application of Reburn to Manatee Units 1&2 contains some proprietary design elements that could be discerned by others if as-built drawings were in the public domain. Therefore, FPL suggests that this Condition be reworded regarding “as-built” drawings to say: *““As-built” drawings shall be made available at the plant for Department inspection”*.

- II. Fugitive Construction Dust Emissions – This Condition is not appropriate given the nature of construction and operation of the Reburn system. The existing Title V permit contains applicable requirements for the control of fugitive dust emissions on the plant site. “Washing wheels and underbodies of construction vehicles” is not listed in the Title V permit as a reasonable precaution to control fugitive dusts.

FPL suggests that this Condition be deleted in its entirety, or alternatively, reworded to say: *“Reasonable precautions to control fugitive dust emissions shall be in accordance with the existing Title V permit.”*

Thank you for your consideration of FPL’s comments. If you have questions or require additional information please feel free to contact me at (941) 776-5211 or Kevin Washington at (561) 691-2877.

Sincerely yours,



Paul Plotkin – Manatee Plant General Manager
Responsible Official

Bcc: M. Maxwell PMT/PMT
M. Ruiz PGD/JB
M. Klein CEA/AOW
K. Washington JES/JB
File



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

0810076

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

RECEIVED

OCT 05 2007

BUREAU OF AIR REGULATION

October 4, 2007

Mr. Richard F. Biron
Environmental Health & Safety Manager
American Marine Holdings, LLC
d/b/a Donzi Marine
7110 21st Street East
Sarasota, FL 34243-3916

Re: Maxwell Lee's e-mail dated October 2, 2007
Donzi Marine's Warning Letter WL07-0019AS41SWD
DEP Permit No. 0810076-005-AV

Dear Mr. Biron:

This is in response to Dr. Maxwell Lee's e-mail dated October 2, 2007, regarding the above reference warning letter for Donzi Marine located in Manatee County. After reviewing Dr. Lee's comments, the Department maintains its determination that the installation and operation of the new paint spray booth requires an air pollution construction permit prior to constructing the booth. Additionally, the construction permit would have been conditioned to also require a revision to the facility's Title V air operation permit 0810076-005-AV. This determination is based on the following:

1. The facility's Title V air operation permit 0810076-005-AV is based on previously issued federally enforceable construction permits and submitted applications. The construction permits, construction permit applications, Title V air operation permits, and Title V air operation permit applications for this facility do not mention or authorize the new paint spray booth.
2. Pursuant to Rule 62-210.300(1), F.A.C., unless exempt from permitting pursuant to paragraph 62-210.300(3)(a) or (b), F.A.C., or Rule 62-4.040, F.A.C., an air construction permit shall be obtained by the owner or operator of any proposed new, reconstructed, or modified facility or emissions unit, or any new pollution control equipment prior to the beginning of construction, reconstruction pursuant to 40 CFR 60.15 or 63.2, or modification of the facility or emissions unit or addition of the air pollution control equipment; or to establish a PAL; in accordance with all applicable provisions of this chapter, Chapter 62-212, F.A.C., and Chapter 62-4, F.A.C.
3. The Department considers the new paint spray booth a new source of air pollution, since no previous permits authorized its construction and operation.
4. Although the new paint spray is intended to replace an existing paint spray booth, the Department does not consider the new paint spray booth as a modification to an existing paint spray booth. Even if the Department did consider the new paint spray booth as a modification, since the new paint spray booth is a physical change and the facility's actual emissions could increase a construction permit would still be necessary.

If you have any questions regarding this matter, please do not hesitate to call Jim McDonald at 813-632-7600 extension 106.

Sincerely,



Mara Grace Nasca
District Air Program Administrator
Southwest District

cc: Mr. Richard F. Biron
Environmental Health & Safety Manager
American Marine Holdings, LLC
d/b/a Donzi Marine
7110 21st Street East
Sarasota, FL 34243-3916

Mr. Maxwell Lee, Ph.D., P.E.
Koogler & Associates, Inc.
4014 NW 13th Street
Gainesville, FL 32609

Mr. Gary Shaffer
Environmental Manager – Air Resources Management
Manatee County Environmental Management Department
202 Sixth Avenue East
Bradenton, FL 34208

Ms. Trina Vielhauer
Bureau Chief, Division of Air Resource Management
Florida Department of Environmental Protection
2600 Blair Stone Road, MS 5500
Tallahassee, FL 32399-2400

BUCKEYE

ONE BUCKEYE DRIVE
PERRY, FLORIDA 32348-7702
TEL 850.584.1121 FAX 850.584.1220

RECEIVED

AUG 27 2007

BUREAU OF AIR REGULATION

August 23, 2007

Mr. Christopher L. Kirts, P.E.
Air Program Administrator, Northeast District
Florida Department of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577

RE: Taylor County – Air Compliance
Buckeye Florida Limited Partnership
AIRS ID No. 1230001
Warning Letter No. WL07-026-AP62-NED

Dear Mr. Kirts,

This letter is in response to the Warning Letter dated July 26, 2007 that Buckeye received from the Department.

Buckeye agrees with most of the facts as presented in the Warning Letter. For clarification of the number of hours involved in this incident, the No. 4 Lime Kiln operated at a rate of 62,500 pounds/hour for a total of three hours on July 24, 2007.

This temporary exceedance of the interim maximum operating rate was caused by a malfunction of the automated control system. A program that automatically ramps up the feed rate on one precoat filter when the other precoat filter blows off did not lower the feed rate when the other precoat filter came back online. This malfunction is a covered malfunction in the Lime Kiln Startup, Shutdown & Malfunction (SSM) Plan and as such, is an allowable scenario and therefore not a violation.

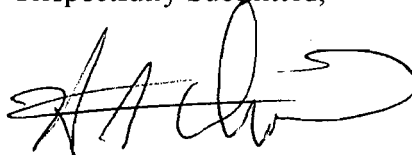
Additionally, there is no evidence that operations at the rate of 62,500 pounds/hour caused any emission limitation to be exceeded. In fact, during the periods in question, there is not even a perceptible change in the continuously monitored opacity or Total Reduced Sulfur (TRS) readings. Buckeye's No. 4 Lime Kiln utilizes Best Available Control Technology (BACT) and continuously operates at levels far below its emissions limitations. Historical stack test data indicates that emissions are typically at or below 25 percent of the emissions limit.

Lime Kiln Warning Letter
Buckeye Florida Limited Partnership
August 23, 2007
Page 2

Since this incident, Buckeye has undertaken a thorough review of its automated controls and alarms and has made appropriate adjustments to prevent a recurrence of this scenario.

If you have any questions or need any additional information, please contact me at (850) 584-1656 or Dave Weeden at (850) 584-1398.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'H. Drew', with a large, sweeping flourish extending to the right.

Howard A. Drew
Vice-President, Wood Cellulose Manufacturing
Site Manager

CC: Gregory Strong, DEP NED
Greg DeAngelo, DARM

BUCKEYE

ONE BUCKEYE DRIVE
PERRY, FLORIDA 32348-7702
TEL 850.584.1121 FAX 850.584.1220

September 18, 2007

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SEP 24 2007

BUREAU OF AIR REGULATION

Mr. Christopher L. Kirts, P.E.
Air Program Administrator, Northeast District
Florida Department of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7590

RE: Taylor County – Air Compliance
Buckeye Florida Limited Partnership
AIRS ID No. 1230001
Warning Letter No. WL07-035-AP62-NED

Dear Mr. Kirts,

This letter is in response to Warning Letter WL07-035-AP62-NED dated August 31, 2007 that Buckeye received from the Department. In that letter, the Department asserts that Buckeye may have exceeded the permitted duration of excess emissions for opacity on five occasions:

No. 2 Recovery Boiler – Feb 26 to Feb 28 – 29 hours
Mar 15 to Mar 16 – 30 hours
Apr 20 – 9 hours

No. 4 Recovery Boiler – Jan 12 – 13 hours
Feb 6 to Feb 7 – 35 hours

The Warning Letter indicates that these possible exceedences were obtained from the Department's review of Quarterly Reports submitted by Buckeye.

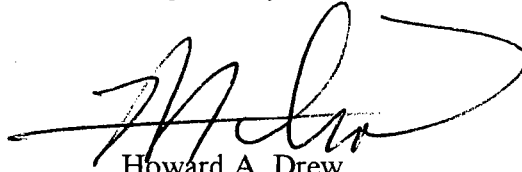
Buckeye has reviewed its Quarterly Reports for the periods of excess emissions in question. It appears that the Department may have misinterpreted the data presented in those reports. The periods of excess emissions reported by Buckeye in its Quarterly Reports are in units of "six-minute averages above 35% opacity" rather than "hours". As such, the total duration of excess emissions was only one-tenth of that indicated in the Warning Letter. For example, on April 20th, 9 six-minute averages is equivalent to 54 minutes of excess emissions rather than 9 hours.

Excess Emissions Warning Letter
Buckeye Florida Limited Partnership
September 18, 2007
Page 2

This issue was explained to Mr. Rick Banks during the Department's site visit to Buckeye for an audit on September 11, 2007. During that discussion, it was agreed that Buckeye would clarify in future Quarterly Reports that the data is presented as "six-minute averages" or that some other format would be used to clarify the report. Those changes will appear in the next Quarterly Report submitted by Buckeye.

If you have any questions or need any additional information, please contact me at (850) 584-1656 or Dave Weeden at (850) 584-1398.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "H. Drew", with a large, sweeping flourish extending to the right.

Howard A. Drew
Vice-President, Wood Cellulose Manufacturing
Site Manager

Cc: Greg DeAngelo – DARM
Rick Banks - NED



Progress Energy

Michael Olive
Plant Manager
Crystal River Fossil Plant

October 27, 2004

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NOV 01 2004

BUREAU OF AIR REGULATION

Mr. Michael Halpin P.E.
Permitting Section
Florida DEP
2600 Blair Stone Road MS 5500
Tallahassee, Florida 32399-2400

RE: DRAFT Title V Permit Renewal No 0170004-009-A Crystal River Power Plant

Dear Mr. Halpin:

Progress Energy Florida (PEF) has reviewed the subject draft permit and has the following comments.

Section III, Condition A.19.b

Please remove the entire A.19.b. The unit is subject to CAM – the new CAM plan will be our method of Periodic Monitoring.

Section III, Condition B.14.b

Similar to the above comment, please remove the entire B.14.b (at the last paragraph in Section B.14). The unit is subject to CAM – the new CAM plan will be our method of Periodic Monitoring.

Section III, Condition B.14.(c)(3)

Please remove 40 CFR Part 60. Part 60 and part 75 conflict – you cannot meet both span requirements. We are following part 75 requirements:

(3) For affected facilities burning fossil fuel(s), the span value for a continuous monitoring system measuring the opacity of emissions shall be 80, 90, or 100 percent and for a continuous monitoring system measuring sulfur oxides or nitrogen oxides the span value shall be determined as follows: per the applicable requirements in 40 CFR Parts 60 and 75.

Appendix U-1 List of Unregulated Emissions Units and /or Activities

Please add a note that the third generator in emission unit 019 will be an Emergency Stationary RICE under 40 CFR 63 Subpart ZZZZ.

Appendix CAM

As we discussed in our meeting on 10/25/04, please change the CAM Indicator table as follows:

An excursion is defined as any 1 hour of opacity greater than 15 % (other than startup, shutdown, "load-changing" and soot blowing periods) for Units 2, 4 and 5. An excursion is defined as any 1 hour of opacity greater than 23% (other than startup, shutdown, "load-changing" and soot blowing periods) for Unit 1.

Load-changing occurs when the operational capacity of a unit is in the 10 percent to 100 percent capacity range, other than startup or shutdown, which exceeds 10 percent of the unit's rated capacity and which occurs at a rate of 0.5 percent per minute or more.

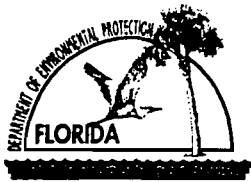
We also agreed to remove Table 2 Corrective Action Procedures Summary.

Thank you for your consideration of these comments. Please contact Dave Meyer at (727) 826-4187 or Ron Johnson of my staff at (352) 464-7909 if you have any questions.

Sincerely,



Michael Olive
Manager, Crystal River Fossil Plant
Responsible Official



Department of Environmental Protection

RECEIVED

JUN 21 2000

Division of Air Resources Management

BUREAU OF AIR REGULATION

APPLICATION FOR AIR PERMIT - TITLE V SOURCE

See Instructions for Form No. 62-210.900(1)

I. APPLICATION INFORMATION

Identification of Facility

1. Facility Owner/Company Name: Lake Worth Generation, L.L.C.	
2. Site Name: Lake Worth Generation	
3. Facility Identification Number: 099-0568	<input type="checkbox"/> Unknown
4. Facility Location: Tom G. Smith Power Plant Street Address or Other Locator: 117 College Street City: Lake Worth County: Palm Beach Zip Code: 33461	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

1. Name and Title of Application Contact: Brian Chatlosh, Manager	
2. Application Contact Mailing Address: Organization/Firm: Lake Worth Generation, L.L.C. Street Address: 245 Winter Street, Suite 300 City: Waltham State: MA Zip Code: 02451	
3. Application Contact Telephone Numbers: Telephone: (781) 370-1500 Fax: (781) 370-1501	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	6-21-00
2. Permit Number:	0990568-002-AC
3. PSD Number (if applicable):	PSD-FL-266A
4. Siting Number (if applicable):	

Purpose of Application

Air Operation Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

- Initial Title V air operation permit for an existing facility which is classified as a Title V source.
- Initial Title V air operation permit for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number: _____

- Title V air operation permit revision to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: _____

Operation permit number to be revised: _____

- Title V air operation permit revision or administrative correction to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. (Also check Air Construction Permit Application below.)

Operation permit number to be revised/corrected: _____

- Title V air operation permit revision for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

Operation permit number to be revised: _____


Reason for revision: _____

Air Construction Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

- Air construction permit to construct or modify one or more emissions units.
- Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
- Air construction permit for one or more existing, but unpermitted, emissions units.

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official: Brian Chatlosh, Manager
2. Owner/Authorized Representative or Responsible Official Mailing Address: Organization/Firm: Lake Worth Generation, L.L.C. Street Address: 245 Winter Street, Suite 300 City: Waltham State: MA Zip Code: 02451
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: (781) 370 - 1500 Fax: (781) 370 - 1501
4. Owner/Authorized Representative or Responsible Official Statement: <i>I, the undersigned, am the owner or authorized representative*(check here [X], if so) or the responsible official (check here [], if so) of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.</i>  _____ Signature 6/19/00 _____ Date

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: Kennard F. Kosky Registration Number: 14996
2. Professional Engineer Mailing Address: Organization/Firm: Golder Associates Inc. Street Address: 6241 NW 23rd Street, Suite 500 City: Gainesville State: FL Zip Code: 32653-1500
3. Professional Engineer Telephone Numbers: Telephone: (352) 336 - 5600 Fax: (352) 336 - 6603

4. Professional Engineer Statement:

I, the undersigned, hereby certify, except as particularly noted herein, that:*

(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and

(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

If the purpose of this application is to obtain a Title V source air operation permit (check here [], if so), I further certify that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application.

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [], if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [], if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.

Kenneth F. Kelly

20 June 2000

Signature

Date

Attach any exception to certification statement.

Construction/Modification Information

1. Description of Proposed Project or Alterations:

This application is submitted to request an increase in the VOC emission limit for the HRSG duct burners. The emission increase is less than 5 tons/year.

2. Projected or Actual Date of Commencement of Construction:

3. Projected Date of Completion of Construction:

Application Comment

The facility received final permit No. 0990568-001-AC (PSD-FL-266) to construct a 186-MW combined cycle gas turbine project. The project will repower up to 74 MW of existing steam generating capability at the City of Lake Worth Tom G. Smith Power Plant. The project consists of two emission units: 001-combustion turbine and 002-HRSG duct burners. This application is submitted to increase emissions of VOC from the duct burners.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates: Zone: 17 East (km): 592.8 North (km): 2943.7			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): 26 / 36 / 45 Longitude (DD/MM/SS): 80 / 04 / 04			
3. Governmental Facility Code: 0	4. Facility Status Code: A	5. Facility Major Group SIC Code: 49	6. Facility SIC(s): 4911
7. Facility Comment (limit to 500 characters): The facility received final permit No. 0990568-001-AC (PSD-FL-266) to construct a 186-MW combined cycle gas turbine project.			

Facility Contact

1. Name and Title of Facility Contact: Paul Doherty, P.E., Project Engineer			
2. Facility Contact Mailing Address: Organization/Firm: Lake Worth Generation, L.L.C. Street Address: 245 Winter Street, Suite 300 City: Waltham State: MA Zip Code: 02154			
3. Facility Contact Telephone Numbers: Telephone: (781) 370 - 1500 Fax: (781) 370 - 1501			

Facility Regulatory Classifications

Check all that apply:

1. <input type="checkbox"/> Small Business Stationary Source?	<input type="checkbox"/> Unknown
2. <input checked="" type="checkbox"/> Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?	
3. <input type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)?	
5. <input type="checkbox"/> Synthetic Minor Source of HAPs?	
6. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS?	
7. <input type="checkbox"/> One or More Emission Units Subject to NESHAP?	
8. <input type="checkbox"/> Title V Source by EPA Designation?	
9. Facility Regulatory Classifications Comment (limit to 200 characters):	
<p>The duct burners are subject to NSPS Subpart Db.</p>	

List of Applicable Regulations

Requested change in VOC emissions does not change applicable regulations for facility as listed in Air Construction Permit.	

B. FACILITY POLLUTANTS

List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap		4. Basis for Emissions Cap	5. Pollutant Comment
		lb/hour	tons/year		

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Facility Plot Plan: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Process Flow Diagram(s): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Fugitive Emissions Identification: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
6. Supplemental Information for Construction Permit Application: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Supplemental Requirements Comment: Requested change is for VOC emissions.

Additional Supplemental Requirements for Title V Air Operation Permit Applications

8. List of Proposed Insignificant Activities: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
9. List of Equipment/Activities Regulated under Title VI: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Equipment/Activities On site but Not Required to be Individually Listed <input type="checkbox"/> Not Applicable
10. Alternative Methods of Operation: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
12. Identification of Additional Applicable Requirements: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
13. Risk Management Plan Verification: <input type="checkbox"/> Plan previously submitted to Chemical Emergency Preparedness and Prevention Office (CEPPO). Verification of submittal attached (Document ID: _____) or previously submitted to DEP (Date and DEP Office: _____) <input type="checkbox"/> Plan to be submitted to CEPPO (Date required: _____) <input type="checkbox"/> Not Applicable
14. Compliance Report and Plan: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
15. Compliance Certification (Hard-copy Required): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through J as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION
(All Emissions Units)

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one) <input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent). <input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions. <input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.			
2. Regulated or Unregulated Emissions Unit? (Check one) <input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit. <input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.			
3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): <p style="text-align: center;">HRSG – Duct Burners</p>			
4. Emissions Unit Identification Number: [] No ID ID: 002 [] ID Unknown			
5. Emissions Unit Status Code: C	6. Initial Startup Date: 2001	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? <input checked="" type="checkbox"/>
9. Emissions Unit Comment: (Limit to 500 Characters) <p style="text-align: center;">HRSG – Duct Burner system rated at 175 mmBtu/hour.</p>			

Emissions Unit Control Equipment

1. Control Equipment/Method Description (Limit to 200 characters per device or method):

Low – NO_x Burner System

2. Control Device or Method Code(s): **024**

Emissions Unit Details

1. Package Unit:	
Manufacturer:	Model Number:
2. Generator Nameplate Rating:	MW
3. Incinerator Information:	
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

**B. EMISSIONS UNIT CAPACITY INFORMATION
(Regulated Emissions Units Only)**

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:	175	mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:		
4. Maximum Production Rate:		
5. Requested Maximum Operating Schedule:		
	hours/day	days/week
	weeks/year	2,000 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):		
<p>Operation is limited to 350,000 mmBtu/year by Specific Condition 5.(b) of Section III of Final Permit.</p>		

**C. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)**

List of Applicable Regulations

Requested change does not affect applicable regulations.	

D. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? Not Applicable		2. Emission Point Type Code: 2	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): DB only operates when CT is operating. DB and CT gases will exhaust through a single HRSG stack.			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:			
5. Discharge Type Code: V	6. Stack Height: feet	7. Exit Diameter: feet	
8. Exit Temperature: °F	9. Actual Volumetric Flow Rate: acfm	10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates: Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters): Proposed change will not affect stack parameters. Refer to emission unit description in Final Permit.			

**E. SEGMENT (PROCESS/FUEL) INFORMATION
(All Emissions Units)**

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Natural Gas		
2. Source Classification Code (SCC): 1-01-006-01		3. SCC Units: million cubic feet burned
4. Maximum Hourly Rate: 0.171	5. Maximum Annual Rate: 341.8	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 1024
10. Segment Comment (limit to 200 characters): Maximum annual rate based on final permit limit of 350,000 mmBtu/year.		

Segment Description and Rate: Segment of

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

F. EMISSIONS UNIT POLLUTANTS
(All Emissions Units)

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
VOC	024		EL

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**(Regulated Emissions Units -****Emissions-Limited and Preconstruction Review Pollutants Only)****Potential/Fugitive Emissions**

1. Pollutant Emitted: VOC	2. Total Percent Efficiency of Control:
3. Potential Emissions: 4.375 lb/hour 4.375 tons/year	4. Synthetically Limited? [X]
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: 0.025 lb/mmBtu Reference: HRSG - Vendor	7. Emissions Method Code: 2
8. Calculation of Emissions (limit to 600 characters): 0.025 lb/mmBtu x 175 mmBtu/hr = 4.375 lb/hr 4.375 lb/hr x 2,000 hr/year x ton/2,000 lb = 4.375 TPY	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 3.3 ppmvw/7.6 lb/hr*	4. Equivalent Allowable Emissions: 4.375 lb/hour 4.375 tons/year
5. Method of Compliance (limit to 60 characters): 3-hour test average; Methods 18, 25, or 25A	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): * Combined emissions from gas turbine at 3.2 lb/hour and 1.4 ppmvw.	

H. VISIBLE EMISSIONS INFORMATION
(Only Regulated Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: [] Rule [] Other
3. Requested Allowable Opacity: Normal Conditions: _____ % Exceptional Conditions: _____ % Maximum Period of Excess Opacity Allowed: _____ min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment (limit to 200 characters): Not Applicable	

I. CONTINUOUS MONITOR INFORMATION
(Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	[] Rule [] Other
4. Monitor Information: Manufacturer: _____ Model Number: _____ Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters): Not Applicable	

**J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)****Supplemental Requirements**

1. Process Flow Diagram [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
2. Fuel Analysis or Specification [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
3. Detailed Description of Control Equipment [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
4. Description of Stack Sampling Facilities [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
5. Compliance Test Report [] Attached, Document ID: _____ [] Previously submitted, Date: _____ [X] Not Applicable
6. Procedures for Startup and Shutdown [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
7. Operation and Maintenance Plan [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
8. Supplemental Information for Construction Permit Application [] Attached, Document ID: _____ [X] Not Applicable
9. Other Information Required by Rule or Statute [] Attached, Document ID: _____ [X] Not Applicable
10. Supplemental Requirements Comment:

Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
12. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
14. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
15. Acid Rain Part Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: _____ <input type="checkbox"/> Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ <input type="checkbox"/> Not Applicable