

# Florida Department of Environmental Protection

## Memorandum

---

TO: Trina Vielhauer, Bureau of Air Regulation  
THROUGH: Jeff Koerner, Air Permitting North Section *JK*  
FROM: Bruce Thomas, Air Permitting North Section  
DATE: August 10, 2007  
SUBJECT: Project No. 0490015-008-AC (PSD-FL-140B)  
Project No. 0490015-009-AV  
Hardee Power Partners, Hardee Power Station  
Heat Input Increase for CT-2B Simple Cycle Gas Turbine

This project is a minor revision to the original air construction permit for this unit with a concurrent revision of the Title V air operation permit. Attached for your review are the following items:

- Written Notice of Intent to Issue Air Permit;
- Public Notice of Intent to Issue Air Permit;
- Technical Evaluation and Preliminary Determination;
- Draft Permit; and
- P.E. Certification.

The Technical Evaluation and Preliminary Determination provide a detailed description of the project and the rationale for issuance. The P.E. certification briefly summarizes the proposed project. I recommend your approval of the attached Draft Permit.

Attachments

**P.E. CERTIFICATION STATEMENT**

**PERMITTEE**

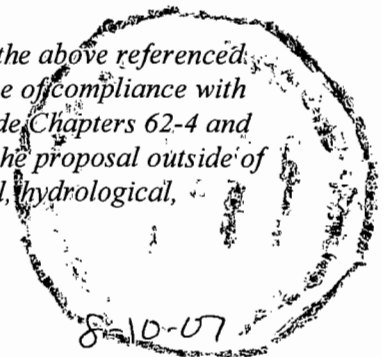
Hardee Power Partners  
10150 Highland Manor Drive  
Tampa, Florida 33610

Draft Permit No. 0490015-008-AC  
Draft Permit No. 0490015-009-AV  
Heat Input Increase for Unit CT-2B  
Hardee Power Station  
Hardee County, Florida

**PROJECT DESCRIPTION**

The purpose of the project is to revise the original air construction permit (Permit No. 0490015-002-AC / PSD-FL-140A) and concurrently revise the Title V air operation permit (Permit No. 0490015-007-AV) to allow increases to the heat input rates for the Unit CT-2B simple cycle gas turbine. The draft permit authorizes increases from 880 to 950 MMBtu per hour when firing natural gas and from 950 to 1060 MMBtu per hour when firing distillate oil. Actual operating data indicates that the heat input rates provided by the gas turbine vendor underestimate the actual performance of the installed gas turbine. No physical or operational changes are necessary to realize the actual installed capacity of Unit CT-2B. No increase in the emissions standards (concentrations or mass emissions rates) are requested to accommodate the change. The applicant does not expect any emissions increases nor increased utilization as a result of the change. Unit CT-2B will continue to comply with all applicable provisions of the air construction and operation permits.

*I HEREBY CERTIFY that the air pollution control engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, mechanical, structural, hydrological, geological, and meteorological features).*



*Jeffery F. Koerner*

Jeffery F. Koerner, P.E.  
Registration No. 49441

8-10-07

(Date)



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

August 14, 2007

Alex C. George, Vice President  
Hardee Power Partners  
10150 Highland Manor Drive  
Tampa, Fl 33610

Re: Project No. 0490015-008-AC (PSD-FL-140B)  
Project No. 0490015-009-AV  
Hardee Power Station  
Heat Input Increase for Unit CT-2B Simple Cycle Gas Turbine

Dear Mr. George:

On February 7, 2007, the Hardee Power Partners submitted an application to revise air Permit No. 0490015-002-AC (PSD-FL-140A) and concurrently revise Title V air operation Permit No. 0490015-007-AV. The project will authorize nominal increases in the heat input rates for the existing Unit CT-2B simple cycle gas turbine. The unit is installed at the existing Hardee Power Station, which is located in Hardee County at 6695 County Road 663 North, Fort Green Springs, Florida. Enclosed are the following documents:

- The Written Notice of Intent to Issue Air Permit provides important information regarding: the Permitting Bureau of Air Regulation's intent to issue an air permit for the proposed project; the requirements for publishing a Public Notice of the Bureau of Air Regulation's intent to issue an air permit; the procedures for submitting comments on the Draft Permit; the process for filing a petition for an administrative hearing; and the availability of mediation.
- The Public Notice of Intent to Issue Air Permit is the actual notice that you must have published in the legal advertisement section of a newspaper of general circulation in the area affected by this project.
- The Technical Evaluation and Preliminary Determination summarizes the Bureau of Air Regulation's technical review of the application and provides the rationale for making the preliminary determination to issue a draft permit.
- The proposed Draft Permit includes the specific conditions that will regulate the emissions units covered by the proposed project.

If you have any questions, please contact the Project Engineer, Bruce Thomas, at 850/488-0114.

Sincerely,

Trina Vielhauer, Chief  
Bureau of Air Regulation

Enclosures

TLV/jfk/bt

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

---

*In the Matter of an  
Application for Air Permits by:*

Hardee Power Partners  
10150 Highland Manor Drive  
Tampa, FL 33610

Project No. 0490015-008-AC  
Project No. 0490015-009-AV  
Heat Input Increases for Unit CT-2B  
Hardee Power Station  
Hardee County, Florida

*Authorized Representative:*  
Alex C. George, Vice President

**Facility Location:** The applicant, Hardee Power Partners, operates the existing Hardee Power Station, which is located in Hardee County at 6695 North County Road 663 North in Fort Green Springs, Florida.

**Project:** The purpose of the project is to revise the original air construction permit and concurrently revise the Title V air operation permit to allow increases to the heat input rates for the Unit CT-2B simple cycle gas turbine. The draft permit authorizes increases from 880 to 950 MMBtu per hour when firing natural gas and from 950 to 1060 MMBtu per hour when firing distillate oil. Actual operating data indicates that the heat input rates provided by the gas turbine vendor underestimate the actual performance of the installed gas turbine. No physical or operational changes are necessary to realize the actual installed capacity of Unit CT-2B. No increase in the emissions standards (concentrations or mass emissions rates) are requested to accommodate the change. The applicant does not expect any emissions increases nor increased utilization as a result of the change. Unit CT-2B will continue to comply with all applicable provisions of the air construction and operation permits.

**Permitting Authority:** Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212 of the Florida Administrative Code (F.A.C.). Applications for Title V air operation permits are subject to review in accordance with to provisions of Chapter 403, F.S. and Chapters 62-4, 62-210, and 62-213, F.A.C. The projects are not exempt from the permitting procedures for air construction and Title V air operation permits. The Florida Department of Environmental Protection's Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Bureau of Air Regulation's physical address is 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301 and the mailing address is 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Bureau of Air Regulation's phone number is 850/488-0114.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address and phone number listed above.

**Notice of Intent to Issue Air Permit:** The Permitting Authority gives notice of its intent to issue a renewed Title V air operation permit and a concurrent air construction permit revision for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all applicable provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a final air construction permit revision and a proposed Title V air operation permit renewal (and subsequent final Title V air operation permit renewal) in accordance with the conditions of the proposed Draft Permits unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

---

**Public Notice:** Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Permit (Public Notice). The Public Notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The newspaper used must meet the requirements of Sections 50.011 and 50.031, F.S. in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Permitting Authority at the address or phone number listed above. Pursuant to Rule 62-110.106(5) and (9), F.A.C., the applicant shall provide proof of publication to the Permitting Authority at the above address within 7 days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

**Comments on the Draft Air Construction Permit Revision:** The Permitting Authority will accept written comments concerning the Draft Air Construction Permit Revision for a period of 14 days from the date of publication of the Public Notice. Written comments must be post-marked by the close of business (5:00 p.m.), on or before the end of this 14-day period by the Permitting Authority at the above address. If written comments result in a significant change to the Draft Permit, the Permitting Authority will issue a revised Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Comments on the Draft Title V Air Operation Permit Renewal:** The Permitting Authority will accept written comments concerning the Draft Permit for a period of 30 days from the date of publication of the Public Notice. Written comments must be post-marked by the close of business (5:00 p.m.), on or before the end of this 30-day period by the Permitting Authority at the above address. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location in the Florida Administrative Weekly and in a newspaper of general circulation in the area affected by the permitting action. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the Draft Permit, the Permitting Authority will issue a revised Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/245-2241; Fax: 850/245-2303). Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this Written Notice of Intent to Issue Air Permit. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the attached Public Notice or within fourteen 14 days of receipt of this Written Notice of Intent to Issue Air Permit, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or

**WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT**

---

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 each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact; (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 the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this Written Notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

**Mediation:** Mediation is not available in this proceeding.

Executed in Tallahassee, Florida.



\_\_\_\_\_  
Trina Vielhauer, Chief  
Bureau of Air Regulation

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

---

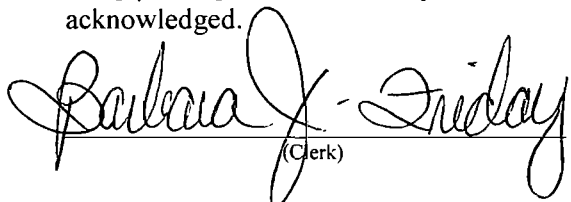
**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Intent to Issue Air Permit package (including the Written Notice of Intent to Issue Air Permit, the Public Notice of Intent to Issue Air Permit, the Technical Evaluation and Preliminary Determination, and the Draft Permit) was sent by electronic mail with received receipt requested before the close of business on 8/15/01 to the persons listed below.

Mr. Alex C. George, Hardee Power Partners ([ageorge@inenergyservices.com](mailto:ageorge@inenergyservices.com))  
Mr. Frank Sarduy, Hardee Power Partners ([fsarduy@inenergyservices.com](mailto:fsarduy@inenergyservices.com))  
Mr. Thomas W. Davis, ECT ([tdavis@ectinc.com](mailto:tdavis@ectinc.com))  
Ms. Cindy Zhang-Torres, SWD Office ([Cindy.Zhang-Torres@dep.state.fl.us](mailto:Cindy.Zhang-Torres@dep.state.fl.us))  
Mr. Mike Halpin, Siting Office ([Mike.Halpin@dep.state.fl.us](mailto:Mike.Halpin@dep.state.fl.us))  
Ms. Kathleen Forney, EPA Region 4 ([forney.kathleen@epa.gov](mailto:forney.kathleen@epa.gov))  
Mr. Jim Little, EPA Region 4 ([little.james@epa.gov](mailto:little.james@epa.gov))  
Mr. Dee Morse, National Park Service ([Dee\\_Morse@nps.gov](mailto:Dee_Morse@nps.gov))  
EPA Region 4 (posted)

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

  
(Clerk) 8/15/01  
(Date)

## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

Florida Department of Environmental Protection  
Division of Air Resource Management, Bureau of Air Regulation

Draft Permit No. 0490015-008-AC, Air Construction Permit Revision  
Draft Permit No. 0490015-009-AV, Concurrent Title V Air Operation Permit Revision

Hardee Power Partners, Hardee Power Station  
Hardee County, Florida

**Applicant:** The applicant for this project is Hardee Power Partners. The applicant's authorized representative and mailing address is: Alex C. George, Vice President, Hardee Power Station, 10150 Highland Manor Drive, Tampa, Florida 33610.

**Facility Location:** The Hardee Power Partners operate an existing electrical generating power plant located in Hardee County at 6695 County Road 663 North in Fort Green Springs, Florida.

**Project:** The purpose of the project is to revise the original air construction permit and concurrently revise the Title V air operation permit to allow increases to the heat input rates for the Unit CT-2B simple cycle gas turbine. The draft permit authorizes increases from 880 to 950 MMBtu per hour when firing natural gas and from 950 to 1060 MMBtu per hour when firing distillate oil. Actual operating data indicates that the heat input rates provided by the gas turbine vendor underestimate the actual performance of the installed gas turbine. No physical or operational changes are necessary to realize the actual installed capacity of Unit CT-2B. No increase in the emissions standards (concentrations or mass emissions rates) are requested to accommodate the change. The applicant does not expect any emissions increases nor increased utilization as a result of the change. Unit CT-2B will continue to comply with all applicable provisions of the air construction and operation permits.

**Permitting Authority:** Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212, F.A.C. Applications for Title V air operation permits are subject to review in accordance with to provisions of Chapter 403, F.S. and Chapters 62-4, 62-210, and 62-213 F.A.C. The projects are not exempt from the permitting procedures for air construction and Title V air operation permits. The Florida Department of Environmental Protection's Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Bureau of Air Regulation's physical address is 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301 and the mailing address is 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Bureau of Air Regulation's phone number is 850/488-0114.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address and phone number listed above.

**Notice of Intent to Issue Air Permit:** The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all applicable provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

**Comments on the Draft Air Construction Permit Revision:** The Permitting Authority will accept written comments concerning the Draft Air Construction Permit Revision for a period of 14 days from the date of publication of the Public Notice. Written comments must be post-marked by the close of business (5:00 p.m.), on or before the end of this 14-day period by the Permitting Authority at the above address. If written comments result in a significant change to the Draft Permit, the Permitting Authority will issue a revised Draft

(Public Notice to be Published in the Newspaper)



## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Comments on the Draft Title V Air Operation Permit Renewal:** The Permitting Authority will accept written comments concerning the Draft Permit for a period of 30 days from the date of publication of the Public Notice. Written comments must be post-marked by the close of business (5:00 p.m.), on or before the end of this 30-day period by the Permitting Authority at the above address. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location in the Florida Administrative Weekly and in a newspaper of general circulation in the area affected by the permitting action. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the Draft Permit, the Permitting Authority will issue a revised Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/245-2241; Fax: 850/245-2303). Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of this Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must 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 each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact; (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 the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this Public Notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

**Mediation:** Mediation is not available in this proceeding.

(Public Notice to be Published in the Newspaper)

## **PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS**

**Objections to the Draft Title V Air Operation Permit:** Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the administrator of the EPA within 60 days of the expiration of the Administrator's 45-day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any Title V permit. Any petition shall be based only on objections to the Title V permit that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any Title V permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C Section 7661d(b)(2), and must be filed with the Administrator of the EPA at: U.S. EPA. 401 M Street, S.W., Washington, D.C. 20460.

**(Public Notice to be Published in the Newspaper)**

**HARDEE POWER  
PARTNERS LIMITED**

Invenergy

Via Federal Express 7903 3454 8193

September 12, 2007

Ms. Trina L. Vielhauer  
Florida Department of Environmental Protection  
Bureau of Air Regulation  
2600 Blair Stone Road  
Mail Station 5505  
Tallahassee, Florida 32399-2400

RECEIVED

SEP 13 2007

BUREAU OF AIR REGULATION

Re: Hardee Power Partners Limited  
Hardee Power Station  
Title V Air Operation Permit No. 0490015-007-AV  
Proof of Public Notice Publication

Dear Ms. Vielhauer:

In accordance with Rule 62-110.106(5), F.A.C., Hardee Power Partners Limited hereby submits the enclosed proof of publication of Public Notice for draft Permit Nos. 0490015-008-AC and 0490015-009-AV. The Public Notice was published in the Wauchula Herald-Advocate on September 6, 2007.

Please feel free to contact Dennis Powell at (863) 375-3266 if you have any questions regarding this information.

Sincerely,



Ralph E. Randall  
Plant Manager

Cc: Mr. Bruce Thomas - FDEP

AFFIDAVIT OF PUBLICATION  
**The Herald-Advocate**  
Published Weekly at Wauchula, Florida

RECEIVED

SEP 13 2007

BUREAU OF AIR REGULATION

STATE OF FLORIDA,  
COUNTY OF HARDEE

Before the undersigned authority personally appeared Ann Basey  
who on oath says he is the Secretary of The Herald-Advocate, a  
newspaper published at Wauchula, in Hardee County, Florida; that the attached copy of advertise-  
ment, being a Public Notice  
in the matter of Hardee Power Partners  
in the \_\_\_\_\_ Court, was published in said newspaper in the issues  
of September 6, 2007

Affiant further says that the said Herald-Advocate is a newspaper published at Wauchula, in  
said Hardee County, Florida, and that the said newspaper has heretofore been continuously published  
in said Hardee County, Florida, each week and has been entered as second class mail matter at the  
post office in Wauchula, in said Hardee County, Florida, for a period of one year next preceding the  
publication 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.

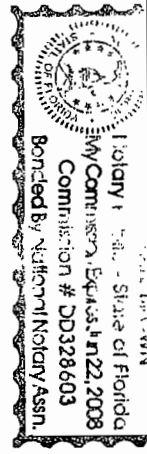
Ann Basey

Sworn to and subscribed before me this 6 day of September  
A.D. 2007

Amy Jay Brown

Notary Public

My Commission Expires June 22, 2008



PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

Florida Department of Environmental Protection  
Division of Air Resource Management, Bureau of Air Regulation

Draft Permit No. 0490015-008-AC, Air Construction Permit  
Draft Permit No. 0490015-009-AV, Concurrent Title V Air Operation Permit

Hardee Power Partners, Hardee Power Station  
Hardee County, Florida

**Applicant:** The applicant for this project is Hardee Power Partners. The applicant's authorized address is Alex C. George, Vice President, Hardee Power Station, 6695 County Road 338, Fort Green Springs, Florida 33834.

**Facility Location:** The Hardee Power Partners operate an existing electrical generating facility located at Hardee County at 6695 County Road 663 North in Fort Green Springs, Florida, 33834.

**Project:** The purpose of the project is to revise the original air construction permit for the Unit C turbine. The draft permit authorizes increases to the heat input rates for the Unit C turbine. The draft permit authorizes increases from 880 to 950 MMBtu per hour when firing distillate oil. Actual operating data rates provided by the gas turbine vendor underestimate the actual performance of the turbine. If physical or operational changes are necessary to realize the actual installed capacity in the emissions standards (concentrations or mass emissions rates) are requested to be revised. The applicant does not expect any emissions increases nor increased utilization as a result of this project. CT-2B will continue to comply with all applicable provisions of the air construction permit.

**Permitting Authority:** Applications for air construction permits are subject to the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-213 F.A.C. The projects are not exempt from the provisions of Chapters 62-4, 62-210, and 62-213 F.A.C. The Florida Department of Environmental Protection is the Permitting Authority responsible for making a permit determination. The Bureau of Air Regulation's physical address is 111 South Magnolia Drive, Suite 32301 and the mailing address is 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32301. The Bureau of Air Regulation's phone number is 850/488-0114.

**Project File:** A complete project file is available for public inspection during the hours of 9 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above. The complete project file includes the Draft Permit, the Technical Evaluation Report, the application, and the information submitted by the applicant, except under Section 403.111, F.S. Interested persons may contact the Permitting Authority for additional information at the address and phone number listed above.

**Notice of Intent to Issue Air Permit:** The Permitting Authority gives notice of its intent to issue an air permit for the project described above. The applicant has provided reasonable assurance that the proposed equipment will not adversely impact air quality and that the project complies with applicable provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-299 F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed permit. A timely petition for an administrative hearing is filed under Sections 120.569 and 120.570 F.S. A comment received in accordance with this notice results in a different decision or a different set of conditions.

**Comments on the Draft Air Construction Permit Revision:** The Permitting Authority will accept comments concerning the Draft Air Construction Permit Revision for a period of 14 days.

# PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

Florida Department of Environmental Protection  
Division of Air Resource Management, Bureau of Air Regulation

Draft Permit No. 0490015-008-AC, Air Construction Permit Revision  
Draft Permit No. 0490015-009-AV, Concurrent Title V Air Operation Permit Revision

Hardee Power Partners, Hardee Power Station  
Hardee County, Florida

**Applicant:** The applicant for this project is Hardee Power Partners. The applicant's authorized representative and mailing address is Alex C. George, Vice President, Hardee Power Station, 6695 County Road 663 North, Fort Green Springs, Florida 33834.

**Facility Location:** The Hardee Power Partners operate an existing electrical generating power plant located in Hardee County at 6695 County Road 663 North in Fort Green Springs, Florida, 33834.

**Project:** The purpose of the project is to revise the original air construction permit and concurrently revise the Title V air operation permit to allow increases to the heat input rates for the Unit CT-2B simple cycle gas turbine. The draft permit authorizes increases from 880 to 950 MMBtu per hour when firing natural gas and from 950 to 1060 MMBtu per hour when firing distillate oil. Actual operating data indicates that the heat input rates provided by the gas turbine vendor underestimate the actual performance of the installed gas turbine. No physical or operational changes are necessary to realize the actual installed capacity of Unit CT-2B. No increase in the emissions standards (concentrations or mass emissions rates) are requested to accommodate the change. The applicant does not expect any emissions increases nor increased utilization as a result of the change. Unit CT-2B will continue to comply with all applicable provisions of the air construction and operation permits.

**Permitting Authority:** Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212, F.A.C. Applications for Title V air operation permits are subject to review in accordance with provisions of Chapter 403, F.S. and Chapters 62-4, 62-210, and 62-213 F.A.C. The projects are not exempt from the permitting procedures for air construction and Title V air operation permits. The Florida Department of Environmental Protection's Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Bureau of Air Regulation's physical address is 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301 and the mailing address is 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Bureau of Air Regulation's phone number is 850/488-0114.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address and phone number listed above.

**Notice of Intent to Issue Air Permit:** The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all applicable provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

**Comments on the Draft Air Construction Permit Revision:** The Permitting Authority will accept written comments concerning the Draft Air Construction Permit Revision for a period of 14 days from the date of publication of the Public Notice. Written comments must be post-marked by the close of business (5:00 p.m.), on or before the end of this 14-day period by the Permitting Authority at the above address. If written comments result in a significant change to the Draft Permit, the Permitting Authority will issue a revised Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Comments on the Draft Title V Air Operation Permit Renewal:** The Permitting Authority will accept written comments concerning the Draft Permit for a period of 30 days from the date of publication of the Public Notice. Written comments must be post-marked by the close of business (5:00 p.m.), on or before the end of this 30-day period by the Permitting Authority at the above address. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location in the Florida Administrative Weekly and in a newspaper of general circulation in the area affected by the permitting action. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the Draft Permit, the Permitting Authority will issue a revised Draft Permit and require, if applicable, another

**Comments on the Draft Air Construction Permit Revision:** The Permitting Authority will accept written comments concerning the Draft Air Construction Permit Revision for a period of 14 days from the date of publication of the Public Notice. Written comments must be post-marked by the close of business (5:00 p.m.), on or before the end of this 14-day period by the Permitting Authority at the above address. If written comments result in a significant change to the Draft Permit, the Permitting Authority will issue a revised Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Comments on the Draft Title V Air Operation Permit Renewal:** The Permitting Authority will accept written comments concerning the Draft Permit for a period of 30 days from the date of publication of the Public Notice. Written comments must be post-marked by the close of business (5:00 p.m.), on or before the end of this 30-day period by the Permitting Authority at the above address. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location in the Florida Administrative Weekly and in a newspaper of general circulation in the area affected by the permitting action. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the Draft Permit, the Permitting Authority will issue a revised Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/245-2241; Fax: 850/245-2303). Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of this Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must 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 each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact; (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 the petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this Public Notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

**Mediation:** Mediation is not available in this proceeding.

**Objections to the Draft Title V Air Operation Permit:** Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the administrator of the EPA within 60 days of the expiration of the Administrator's 45-day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any Title V permit. Any petition shall be based only on objections to the Title V permit that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any Title V permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2), and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460.

## STATEMENT OF BASIS

---

### FACILITY DESCRIPTION

The Hardee Power Partners operates a nominal 370 megawatt (MW) electric generation facility located approximately nine miles northwest of Wauchula in Hardee County at 6695 North County Road 663 North in Fort Green Springs, Florida. The UTM coordinates are Zone 17, 405.02 km East and 3057.18 km North. The existing electrical generating power plant has a Standard Industrial Classification Code of SIC No. 4911.

The Hardee Power Station includes four General Electric (GE), dual-fuel fired combustion turbines (CT). The facility utilizes pipeline natural gas as its primary fuel source with No. 2 distillate fuel oil serving as a backup fuel. Units CT-1A, CT-1B and CT-2A are identical combustion turbines (GE Model No. PG-7111EA). Unit CT-2B is a GE Model No. PG-7121EA combustion turbine. Together, Units CT-1A and CT-1B comprise a combined-cycle system with each combustion turbine paired with a heat recovery steam generator that is ducted to a common steam-electrical generator (76 MW). Each combustion turbine has a nominal power production output of 75 MW. Units CT-2A and CT-2B operate as a simple cycle units.

### PRIMARY REGULATORY REQUIREMENTS

The emissions units of this facility are regulated in accordance with the applicable provisions in the following Chapters of the Florida Administrative Code (F.A.C.): 62-4 (Permitting Requirements); 62-204 (Ambient Air Quality Requirements, PSD Increments, and Federal Regulations Adopted by Reference); 62-210 (Permits Required, Public Notice, Reports, Stack Height Policy, Circumvention, Excess Emissions, and Forms); 62-212 (Preconstruction Review, PSD Review and BACT, and Non-attainment Area Review and LAER); 62-213 (Title V Air Operation Permits for Major Sources of Air Pollution); 62-296 (Emission Limiting Standards); and 62-297 (Test Methods and Procedures, Continuous Monitoring Specifications, and Alternate Sampling Procedures).

The gas turbines are subject to the following federal regulations regarding the New Source Performance Standards (NSPS): Subpart A (General Provisions) in 40 CFR 60 and Subpart GG (Stationary Gas Turbines) in 40 CFR 60. These units are not affected by the Acid Rain Program since they meet the requirements of 40 CFR 72.6(b)(6).

Units CT-1A, CT-1B and CT-2A use water injection to control NO<sub>x</sub> emissions when firing natural gas and distillate oil. Therefore, a compliance assurance monitoring (CAM) plan is required for these units. Although Unit CT-2B uses water injection to control NO<sub>x</sub> emissions when firing distillate oil, a CAM plan is not required because compliance is demonstrated by data collected with the continuous emissions monitoring system.

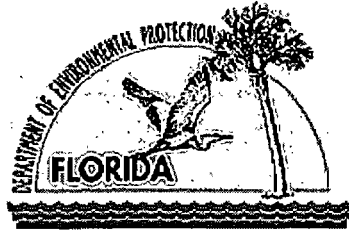
Based on the application submitted on February 7, 2007 to revise the Title V air operation permit, the facility is a major source of hazardous air pollutants (HAP).

### PROJECT DESCRIPTION

This Title V revision incorporates the revisions made in air construction Permit No. 0490015-008-AC (PSD-FL-140B). Briefly, the permit revision allows increases to the heat input rates for the Unit CT-2B simple cycle gas turbine from 880 to 950 MMBtu per hour when firing natural gas and from 950 to 1060 MMBtu per hour when firing distillate oil. Actual operating data indicates that the heat input rates provided by the gas turbine vendor underestimate the actual performance of the installed gas turbine. No physical or operational changes are necessary to realize the actual installed capacity of Unit CT-2B. No increases in the emissions standards (concentrations or mass emissions rates) were necessary to accommodate the change. No emissions increases or increased utilization were expected as a result of the change. Unit CT-2B will continue to comply with all other applicable provisions of the air construction and operation permits.

### CONCLUSION

This project revises Title V air operation permit No. 0490015-007-AV, which was issued on December 27, 2006. This Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes, and Chapters 62-4, 62-210 and 62-213, F.A.C. In accordance with the terms and conditions of this permit, the above named permittee is hereby authorized to operate the facility as shown on the application and approved drawings, plans, and other documents, on file with the permitting authority.



**TECHNICAL EVALUATION  
&  
PRELIMINARY DETERMINATION**

**APPLICANT**

Hardee Power Partners  
10150 Highland Manor Drive  
Tampa, FL 33610

Hardee Power Station  
ARMS Facility ID No. 0490015

**PROJECT**

Draft Permit No. 0490015-008-AC  
Heat Input Increases for Unit CT-2B Simple Cycle Gas Turbine

**COUNTY**

Hardee County, Florida

**PERMITTING AUTHORITY**

Florida Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Regulation  
Air Permitting North Section  
2600 Blair Stone Road, MS#5505  
Tallahassee, Florida 32399-2400

August 10, 2007



## **1. GENERAL PROJECT INFORMATION**

### **Facility Description and Location**

The Hardee Power Partners operates a nominal 370 megawatt (MW) electric generation facility located approximately nine miles northwest of Wauchula in Hardee County at 6695 North County Road 663 North in Fort Green Springs, Florida. The UTM coordinates are Zone 17, 405.02 km East and 3057.18 km North. The existing electrical generating power plant has a Standard Industrial Classification Code of SIC No. 4911.

The Hardee Power Station includes four General Electric (GE), dual-fuel fired combustion turbines (CT). The facility utilizes pipeline natural gas as its primary fuel source with No. 2 distillate fuel oil serving as a backup fuel. Units CT-1A, CT-1B and CT-2A are identical combustion turbines (GE Model No. PG-7111EA). Unit CT-2B is a GE Model No. PG-7121EA combustion turbine. Together, Units CT-1A and CT-1B comprise a combined-cycle system with each combustion turbine paired with a heat recovery steam generator that is ducted to a common steam-electrical generator (76 MW). Each combustion turbine has a nominal power production output of 75 MW. Units CT-2A and CT-2B operate as a simple cycle units.

### **Primary Regulatory Categories**

- The facility is a major source of hazardous air pollutants (HAP).
- The facility has units subject to the acid rain provisions of the Clean Air Act.
- The facility is a Title V major source of air pollution in accordance with Chapter 213, Florida Administrative Code (F.A.C.).
- The facility is a major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

### **Project Description**

The applicant requests the following increases to the heat input rates for unit CT-2B (ARMS EU-005): from 880 to 950 MMBtu per hour when firing natural gas and from 950 to 1060 MMBtu per hour when firing distillate oil. Actual operating data indicates that the heat input rates provided by the gas turbine vendor underestimate the actual performance of the installed gas turbine. No physical or operational changes are necessary to realize the actual installed capacity of Unit CT-2B. No increase in the emissions standards (concentrations or mass emissions rates) are requested to accommodate the change. The applicant does not expect any emissions increases nor increased utilization as a result of the change. Unit CT-2B will continue to comply with all applicable provisions of the air construction and operation permits.

### **Processing Schedule**

February 7, 2007    Department received the applications.  
March 9, 2007      Department requested additional information, application incomplete.  
June 6, 2007      Department received additional information; application complete.

## **2. APPLICABLE REGULATIONS**

### **State Regulations**

This project is subject to the applicable rules and regulations defined in the following F.A.C. Chapters: 62-4 (Permitting Requirements); 62-204 (Ambient Air Quality Requirements, PSD Increments, and Federal Regulations Adopted by Reference); 62-210 (Permits Required, Public Notice, Reports, Stack Height Policy, Circumvention, Excess Emissions, and Forms); 62-212 (Preconstruction Review, PSD Review and BACT, and Non-attainment Area Review and LAER); 62-213 (Title V Air Operation Permits for Major Sources of Air Pollution); 62-296 (Emission Limiting Standards); and 62-297 (Test Methods and Procedures, Continuous Monitoring Specifications, and Alternate Sampling Procedures). PSD applicability and the preconstruction

---

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

---

review requirements of Rule 62-212.400, F.A.C. are discussed in Section 2 of this report. Additional details of the other state regulations are provided in Section 3 of this report.

### Federal Regulations

The Environmental Protection Agency establishes air quality regulations in Title 40 of the Code of Federal Regulations (CFR). Part 60 identifies New Source Performance Standards (NSPS) for a variety of industrial activities. Part 61 specifies National Emissions Standards for Hazardous Air Pollutant (NESHAP) based on specific pollutants. Part 63 specifies NESHAP provisions based on the Maximum Achievable Control Technology (MACT) for given source categories. Federal regulations are adopted in Rule 62-204.800, F.A.C. This project will not result in any newly applicable federal regulations.

## 2. PSD APPLICABILITY REVIEW

### General PSD Applicability

The Department regulates major stationary sources in accordance with Florida's PSD program pursuant to Rule 62-212.400, F.A.C. PSD preconstruction review is required in areas that are currently in attainment with the state and federal Ambient Air Quality Standards (AAQS) or areas designated as "unclassifiable" for these regulated pollutants. As defined in Rule 62-210.200, F.A.C., a facility is considered a "major stationary source" if it emits or has the potential to emit 5 tons per year of lead, 250 tons per year or more of any PSD pollutant, or 100 tons per year or more of any PSD pollutant and the facility belongs to one of the 28 listed PSD major facility categories. PSD pollutants include: carbon monoxide (CO); nitrogen oxides (NO<sub>x</sub>); sulfur dioxide (SO<sub>2</sub>); particulate matter (PM); particulate matter with a mean particle diameter of 10 microns or less (PM<sub>10</sub>); volatile organic compounds (VOC); lead (Pb); Fluorides (F1); sulfuric acid mist (SAM); hydrogen sulfide (H<sub>2</sub>S); total reduced sulfur (TRS), including H<sub>2</sub>S; reduced sulfur compounds, including H<sub>2</sub>S; municipal waste combustor organics measured as total tetra- through octa-chlorinated dibenzo-p-dioxins and dibenzofurans; municipal waste combustor metals measured as particulate matter; municipal waste combustor acid gases measured as SO<sub>2</sub> and hydrogen chloride (HCl); municipal solid waste landfills emissions measured as nonmethane organic compounds (NMOC); and mercury (Hg).

For major stationary sources, PSD applicability is based on emissions thresholds known as the "significant emission rates" as defined in Rule 62-210.200, F.A.C. Emissions of PSD pollutants from the project exceeding these rates are considered "significant" and the Best Available Control Technology (BACT) must be employed to minimize emissions of each PSD pollutant. Although a facility may be "major" for only one PSD pollutant, a project must include BACT controls for any PSD pollutant that exceeds the corresponding significant emission rate. In addition, applicants must provide an Air Quality Analysis for each PSD pollutant.

### PSD Applicability for the Project

The project is located in Hardee County, which is in an area that is currently in attainment with the state and federal AAQS or otherwise designated as unclassifiable. The existing plant emits or has the potential to emit 250 tons per year or more of at least one PSD pollutant. Therefore, the facility is a major stationary source and the project is subject to a PSD applicability review. The following section discusses PSD applicability for the proposed project.

## 3. DEPARTMENT'S PROJECT REVIEW

In October of 1999, the Department issued a permit (PSD-FL-140A) to construct a GE Model No. PG-7121(EA) simple cycle combustion turbine (Unit CT-2B) rated at a nominal 75 MW. The permit specified a maximum heat input rate of 880 MMBtu per hour when firing natural gas and 950 MMBtu per hour when firing distillate oil based on: 100% load, the lower heating value (LHV) of the fuel, a compressor inlet temperature of 59° F, a relative humidity of 60% and an ambient air pressure of 14.7 psi. Due to its low cycle efficiency of approximately 30% in simple cycle mode, Unit CT-2B operates as a "peaking unit" during peak periods of demand for electricity. Shortly after its construction, Unit CT-2B averaged 1653 hours per year from 2000 to

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

---

2002. However, after several large power generation projects were added to the electrical grid, Unit CT-2B averaged only 329 hours per year from 2003 to 2006. This reflects its true operation as a peaking unit based on actual demand levels.

Initial tests showed compliance for CO, NO<sub>x</sub>, VOC and opacity at a heat input rate of 895 MMBtu per hour when firing natural gas and 1024 MMBtu per hour when firing distillate oil. Subsequent tests demonstrated compliance for CO, NO<sub>x</sub> and opacity at heat input rates at 905 MMBtu per hour when firing natural gas and 1027 MMBtu per hour when firing distillate oil. Based on the actual installed capacity of Unit CT-2B, the applicant requests an 8% increase of the maximum heat input rate for gas firing to 950 MMBtu per hour and 11.6% increase to 1060 MMBtu per hour when firing distillate oil. No physical or operational changes are necessary to realize the heat input rates for Unit CT-2B. No increase in the emissions standards (concentrations or mass emissions rates) are requested to accommodate the change. The applicant does not expect any emissions increases nor increased utilization as a result of the request. Unit CT-2B will continue to comply with all applicable provisions of the air construction and operation permits. The applicant contends that the request is simply to recognize the true installed capacity of Unit CT-2B.

It is not uncommon for a facility to make such a request within the first few years of installation because vendors often provide performance guarantees for heat input rates that can be readily achieved. Although this request is outside the typical time frames, there are several unique factors including: use as a peaking unit, documented operation at the higher heat input rate as originally installed, no physical or operational changes necessary to realize the higher heat input rates and performance tests demonstrating compliance at the higher heat input rates. Based on the specific information available for this project, the Department agrees that this change will not result in any emissions increases nor increased utilization.

As a check, the Department conducted the following analysis. The current natural gas firing permit limits for CO and NO<sub>x</sub> emissions are 20 ppmvd @ 15% O<sub>2</sub> (43 lb/hour) and 9 ppmvd @ 15% O<sub>2</sub> (32 lb/hour), respectively. At the current permitted natural gas heat input rate of 880 MMBtu/hour, this is equivalent to 0.049 lb CO/MMBtu and 0.036 lb NO<sub>x</sub>/MMBtu. Using these emissions factors, the following calculations estimate the potential emissions increases from raising the maximum heat input rate to 950 MMBtu per hour for the full 8760 hours per year:

$$\text{CO} = (0.049 \text{ lb CO/MMBtu}) (950 - 880 \text{ MMBtu/hour}) (8760 \text{ hours/year}) (\text{ton}/2000 \text{ lb}) = 15 \text{ tons/year}$$

$$\text{NO}_x = (0.036 \text{ lb NO}_x\text{/MMBtu}) (950 - 880 \text{ MMBtu/hour}) (8760 \text{ hours/year}) (\text{ton}/2000 \text{ lb}) = 11 \text{ tons/year}$$

Potential CO and NO<sub>x</sub> emissions increases for distillate oil firing with the permitted 876 hour per year oil firing limitation are 15 and 18 tons per year, respectively.

The estimated potential emissions increases are well below the PSD significant emissions rates for CO (100 tons/year) and NO<sub>x</sub> (40 tons/year). The use of pipeline natural gas as the primary fuel source with No. 2 distillate fuel oil serving as a backup fuel will insure emissions of PM/PM<sub>10</sub>/PM<sub>2.5</sub>, SO<sub>2</sub> and VOC will be less than these pollutants and any potential increases would also be well below the PSD significant emissions rates. Therefore, the draft permit will authorize the requested revised heat input rates.

### PRELIMINARY DETERMINATION

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the Draft Permit. This determination is based on a technical review of the complete application, reasonable assurances provided by the applicant, and the conditions specified in the Draft Permit. Bruce Thomas is the project engineer responsible for reviewing the application and drafting the permit changes. Additional details of this analysis may be obtained by contacting the project engineer at the Department's Bureau of Air Regulation at Mail Station #5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

# DRAFT PERMIT

## PERMITTEE

Hardee Power Partners  
10150 Highland Manor Drive  
Tampa, FL 33610

Authorized Representative:  
Alex C. George, Vice President

Air Permit No. PSD-FL-140A Project No. 0490015-008-AC Expires: August 1, 2008 Hardee Power Station Facility ID No. 0490015 Heat Input Increases for CT-2B
--

## FACILITY AND LOCATION

This permit authorizes increases in the maximum permitted heat input rates for Unit CT-2B from 880 to 950 MMBtu per hour when firing natural gas and from 950 to 1060 MMBtu per hour when firing distillate oil. The combustion turbine is installed at the Hardee Power Station, which is an existing electrical generating power plant (SIC No. 4911). The facility is located in Hardee County at 6695 North County Road 663 North in Fort Green Springs, Florida. The UTM coordinates are Zone 17, 405.02 km East, and 3057.18 km North.

## STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.) and Title 40, Parts 60 and 63 of the Code of Federal Regulations (CFR).

(DRAFT)

\_\_\_\_\_  
Joseph Kahn, Director  
Division of Air Resource Management

\_\_\_\_\_  
Effective Date

## REVISED DRAFT PERMIT CONDITIONS

---

This permitting action revises the following specific condition in air construction Permit No. PSD-FL-140A (Project No. 0490015-002-AC). All other conditions in that permit remain unchanged.

### SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

3. Permitted Capacity: The combustion turbine shall operate only in simple-cycle mode and generate a nominal 75 MW of electrical power. Operation of this unit shall not exceed ~~880~~ 950 MMBTU per hour of heat input from firing natural gas nor ~~950~~ 1060 MMBTU per hour of heat input from firing low sulfur distillate oil. The maximum heat inputs are based on the lower heating value (LHV) of each fuel, an inlet air supply cooled to 59°F, a relative humidity of 60%, an ambient air pressure of 14.7 psi, and 100% of base load. Therefore, maximum heat input rates will vary depending upon ambient conditions and the combustion turbine characteristics. Manufacturer's performance curves, corrected for site conditions or equations for correction to other ambient conditions, shall be provided to the Permitting and Compliance Authorities within 45 days of completing the initial compliance testing. [Design, Rule 62-210.200, F.A.C.]

## DRAFT TITLE V AIR OPERATION PERMIT REVISION

---

### PERMITTEE

Hardee Power Partners  
10150 Highland Manor Drive  
Tampa, Fl 33610

### PLANT

The Hardee Power Partners operate the Hardee Power Station, which is located in Hardee County at 6695 North County Road 663 North in Fort Green Springs, Florida.

### PROJECT

Project No. 0490015-009-AV revises Title V air operation Permit No. 0490015-007-AV to incorporate the revisions made in air construction Permit No. 0490015-008-AC (PSD-FL-140B) regarding the maximum heat input rates to Unit CT-2B (ARMS EU-005).

### REVISIONS

This permitting action will revise the following specific condition in current Title V air operating Permit No. 0490015-009-AV as follows:

#### SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

**B.1. Permitted Capacity.** The CT shall operate only in simple-cycle mode and generate a nominal 75 MW of electrical power. Operation of this emissions unit shall not exceed ~~880~~ 950 MMBtu per hour of heat input from firing natural gas nor ~~950~~ 1060 MMBtu per hour of heat input from firing low sulfur distillate oil. The maximum heat inputs are based on the lower heating value (LHV) of each fuel, an inlet air supply cooled to 59° F, a relative humidity of 60%, an ambient air pressure of 14.7 psi, and 100% base load. Therefore, maximum heat input rates will vary depending upon ambient conditions and the CT characteristics. Manufacturer's performance curves, corrected for site conditions or equations for correction to other ambient conditions, have been provided and are a part of this permit. See Attachment G-1. [Permit Revision No. 0490015-008-AC (PSD-FL-140AB)]

**Friday, Barbara**

---

**To:** 'ageorge@invergyllc.com'; Frank Sarduy; 'tdavis@ectinc.com'; Zhang-Torres; Halpin, Mike; forney.kathleen@epa.gov; little.james@epa.gov; dee\_morse@nps.gov

**Cc:** Thomas, Bruce X.

**Subject:** DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station

**Attachments:** 0490015-009-AV Statement of Basis.pdf; 0490015-008-AC Draft Permit.pdf; 0490015-008-AC TEPD.pdf; 0490015-008-ACamd009-AVCombinedPublicNotice.pdf; 0490015-008-ACand009-AVPECertification.pdf; 0490015-008-ACand009DraftCoverLetter.pdf; 0490015-009-AV Draft Permit.pdf; 0490015-009-AV History.pdf

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site: <http://www.adobe.com/products/acrobat/readstep.html>.

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record.

Thank you,

DEP, Bureau of Air Regulation

8/15/2007

**Friday, Barbara**

---

**From:** System Administrator  
**To:** Alex George  
**Sent:** Wednesday, August 15, 2007 10:49 AM  
**Subject:** Delivered:DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station

Your message

**To:** ageorge@invenenergyllc.com; Frank Sarduy; tdavis@ectinc.com; Zhang-Torres; Halpin, Mike; forney.kathleen@epa.gov; little.james@epa.gov; dee\_morse@nps.gov  
**Cc:** Thomas, Bruce X.  
**Subject:** DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station  
**Sent:** 8/15/2007 10:44 AM

was delivered to the following recipient(s):

Alex George on 8/15/2007 10:43 AM



## Friday, Barbara

---

**From:** Alex George [AGeorge@invenergyllc.com]  
**To:** Friday, Barbara  
**Sent:** Wednesday, August 15, 2007 10:57 AM  
**Subject:** Read: DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV  
- Hardee Power Partners-Hardee Power Station

Your message

To: AGeorge@invenergyllc.com  
Subject:

was read on 8/15/2007 10:57 AM.

## Friday, Barbara

---

**From:** Mailer-Daemon@ectinc.com  
**Sent:** Wednesday, August 15, 2007 10:53 AM  
**To:** Friday, Barbara  
**Subject:** Confirm: `DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station' received

A message which requested delivery confirmation recently arrived at this server. This server honors all delivery confirmation requests whether generated from local mail traffic or from mail received via an outside source (such as SMTP/POP).

Message-ID: <1900D374FE4CCB4AB8DEB001320338BABA7E12@tlhexsmb5.floridadep.net>  
To : tdavis@ectinc.com  
From : Barbara.Friday@dep.state.fl.us  
Subject : DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV  
- Hardee Power Partners-Hardee Power Station  
Date : Wed, 15 Aug 2007 10:44:02 -0400

Receiving Domain: ectinc.com

## Friday, Barbara

---

**From:** Exchange Administrator  
**Sent:** Wednesday, August 15, 2007 10:45 AM  
**To:** Friday, Barbara  
**Subject:** Delivery Status Notification (Relay)

**Attachments:** ATT152193.txt; DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station



ATT152193.txt  
(284 B)



DRAFT Title V  
Permit Revision ...

This is an automatically generated Delivery Status Notification.

Your message has been successfully relayed to the following recipients, but the requested delivery status notifications may not be generated by the destination.

tdavis@ectinc.com

**Friday, Barbara**

---

**From:** Tom Davis [tdavis@ectinc.com]  
**Sent:** Wednesday, August 15, 2007 11:04 AM  
**To:** Friday, Barbara  
**Subject:** RE: DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station

---

**From:** Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]  
**Sent:** Wednesday, August 15, 2007 10:44 AM  
**To:** ageorge@invenergyllc.com; Frank Sarduy; tdavis@ectinc.com; Zhang-Torres; Halpin, Mike; forney.kathleen@epa.gov; little.james@epa.gov; dee\_morse@nps.gov  
**Cc:** Thomas, Bruce X.  
**Subject:** DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site: <http://www.adobe.com/products/acrobat/readstep.html>.

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record.

Thank you,

DEP, Bureau of Air Regulation

**Friday, Barbara**

---

**From:** System Administrator  
**To:** Halpin, Mike  
**Sent:** Wednesday, August 15, 2007 10:45 AM  
**Subject:** Delivered: DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station

Your message

**To:** 'ageorge@inenergyllc.com'; 'Frank Sarduy'; 'tdavis@ectinc.com'; Zhang-Torres; Halpin, Mike; 'forney.kathleen@epa.gov'; 'little.james@epa.gov'; 'dee\_morse@nps.gov'  
**Cc:** Thomas, Bruce X.  
**Subject:** DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station  
**Sent:** 8/15/2007 10:44 AM

was delivered to the following recipient(s):

Halpin, Mike on 8/15/2007 10:44 AM

## Friday, Barbara

---

**From:** Halpin, Mike  
**To:** Friday, Barbara  
**Sent:** Wednesday, August 15, 2007 10:51 AM  
**Subject:** Read: DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station

### Your message

**To:** 'ageorge@invenergyllc.com'; 'Frank Sarduy'; 'tdavis@ectinc.com'; Zhang-Torres; Halpin, Mike; 'forney.kathleen@epa.gov'; 'little.james@epa.gov'; 'dee\_morse@nps.gov'  
**Cc:** Thomas, Bruce X.  
**Subject:** DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station  
**Sent:** 8/15/2007 10:44 AM

was read on 8/15/2007 10:50 AM.

## Friday, Barbara

---

**From:** System Administrator  
**To:** Zhang-Torres; Thomas, Bruce X.  
**Sent:** Wednesday, August 15, 2007 10:45 AM  
**Subject:** Delivered:DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station

### Your message

**To:** 'ageorge@invenergyllc.com'; 'Frank Sarduy'; 'tdavis@ectinc.com'; Zhang-Torres; Halpin, Mike; 'forney.kathleen@epa.gov'; 'little.james@epa.gov'; 'dee\_morse@nps.gov'  
**Cc:** Thomas, Bruce X.  
**Subject:** DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station  
**Sent:** 8/15/2007 10:44 AM

was delivered to the following recipient(s):

Zhang-Torres on 8/15/2007 10:44 AM  
Thomas, Bruce X. on 8/15/2007 10:44 AM

## Friday, Barbara

---

**From:** Zhang-Torres  
**To:** Friday, Barbara  
**Sent:** Friday, August 17, 2007 8:55 AM  
**Subject:** Read: DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV  
- Hardee Power Partners-Hardee Power Station

Your message

**To:** 'ageorge@inveneryllc.com'; 'Frank Sarduy'; 'tdavis@ectinc.com'; Zhang-Torres; Halpin, Mike; 'forney.kathleen@epa.gov'; 'little.james@epa.gov'; 'dee\_morse@nps.gov'  
**Cc:** Thomas, Bruce X.  
**Subject:** DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station  
**Sent:** 8/15/2007 10:44 AM

was read on 8/17/2007 8:55 AM.



## Friday, Barbara

---

**From:** Mail Delivery System [MAILER-DAEMON@mseive02.rtp.epa.gov]  
**Sent:** Wednesday, August 15, 2007 10:44 AM  
**To:** Friday, Barbara  
**Subject:** Successful Mail Delivery Report

**Attachments:** Delivery report; Message Headers



Delivery report.txt  
(692 B)

Message  
Headers.txt (2 KB)

This is the mail system at host mseive02.rtp.epa.gov.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<forney.kathleen@epa.gov>: delivery via 127.0.0.1[127.0.0.1]:10025: 250 OK,  
sent 46C31114\_13624\_19658\_1

<little.james@epa.gov>: delivery via 127.0.0.1[127.0.0.1]:10025: 250 OK, sent  
46C31114\_13624\_19658\_1

## Friday, Barbara

---

**From:** Exchange Administrator  
**Sent:** Wednesday, August 15, 2007 10:46 AM  
**To:** Friday, Barbara  
**Subject:** Delivery Status Notification (Relay)

**Attachments:** ATT152201.txt; DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station



ATT152201.txt  
(284 B)



DRAFT Title V  
Permit Revision ...

This is an automatically generated Delivery Status Notification.

Your message has been successfully relayed to the following recipients, but the requested delivery status notifications may not be generated by the destination.

dee\_morse@nps.gov

## Friday, Barbara

---

**From:** Dee\_Morse@nps.gov  
**Sent:** Wednesday, August 15, 2007 11:18 AM  
**To:** Friday, Barbara  
**Subject:** DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station

### Return Receipt

Your document: DRAFT Title V Permit Revision No.:  
0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power  
Partners-Hardee Power Station

was received  
by: Dee Morse/DENVER/NPS

at: 08/15/2007 09:17:33 AM

## Friday, Barbara

---

**From:** Mail Delivery System [MAILER-DAEMON@mseive01.rtp.epa.gov]  
**Sent:** Wednesday, August 15, 2007 10:38 AM  
**To:** Friday, Barbara  
**Subject:** Successful Mail Delivery Report

**Attachments:** Delivery report; Message Headers



Delivery report.txt  
(692 B)

Message  
Headers.txt (1 KB)

This is the mail system at host mseive01.rtp.epa.gov.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<danois.gracy@epa.gov>: delivery via 127.0.0.1[127.0.0.1]:10025: 250 OK, sent  
46C30FC9\_32738\_650\_170

<forney.kathleen@epa.gov>: delivery via 127.0.0.1[127.0.0.1]:10025: 250 OK,  
sent 46C30FC9\_32738\_650\_170

**Friday, Barbara**

---

**From:** Forney.Kathleen@epamail.epa.gov  
**Sent:** Wednesday, August 15, 2007 10:58 AM  
**To:** Friday, Barbara  
**Cc:** Little.James@epamail.epa.gov  
**Subject:** Re: DRAFT Title V Permit Revision No.: 0490015-008-AC(PSD-FL-140B)/0490015-009-AV - Hardee Power Partners-Hardee Power Station

Thanks Barbara, We received this draft permit...

Katy

-----  
Katy R. Forney  
Air Permits Section  
EPA - Region 4  
61 Forsyth St., SW  
Atlanta, GA 30024

Phone: 404-562-9130  
Fax: 404-562-9019

"Friday,  
Barbara"  
<Barbara.Friday@  
dep.state.fl.us>

08/15/2007 10:44  
AM

To  
<ageorge@invenergyllc.com>,  
"Frank Sarduy"  
<FSarduy@invenergyllc.com>,  
<tdavis@ectinc.com>,  
"Zhang-Torres"  
<Cindy.Zhang-Torres@dep.state.fl.  
us>, "Halpin, Mike"  
<Mike.Halpin@dep.state.fl.us>,  
Kathleen Forney/R4/USEPA/US@EPA,  
James Little/R4/USEPA/US@EPA,  
<dee\_morse@nps.gov>

cc  
"Thomas, Bruce X."  
<Bruce.X.Thomas@dep.state.fl.us>  
Subject  
DRAFT Title V Permit Revision  
No.:  
0490015-008-AC(PSD-FL-140B)/04900  
15-009-AV - Hardee Power  
Partners-Hardee Power Station

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site:  
<http://www.adobe.com/products/acrobat/readstep.html>.

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record.

Thank you,

DEP, Bureau of Air Regulation

[attachment "0490015-009-AV Statement of Basis.pdf" deleted by Kathleen Forney/R4/USEPA/US] [attachment "0490015-008-AC Draft Permit.pdf" deleted by Kathleen Forney/R4/USEPA/US] [attachment "0490015-008-AC TEPD.pdf" deleted by Kathleen Forney/R4/USEPA/US] [attachment "0490015-008-ACamd009-AVCombinedPublicNotice.pdf" deleted by Kathleen Forney/R4/USEPA/US] [attachment "0490015-008-ACand009-AVPECertification.pdf" deleted by Kathleen Forney/R4/USEPA/US] [attachment "0490015-008-ACand009DraftCoverLetter.pdf" deleted by Kathleen Forney/R4/USEPA/US] [attachment "0490015-009-AV Draft Permit.pdf" deleted by Kathleen Forney/R4/USEPA/US] [attachment "0490015-009-AV History.pdf" deleted by Kathleen Forney/R4/USEPA/US]

AFFIDAVIT OF PUBLICATION

The Herald-Advocate

Published Weekly at Wauchula, Florida

RECEIVED

SEP 13 2007

STATE OF FLORIDA,  
COUNTY OF HARDEE

BUREAU OF AIR REGULATION

Before the undersigned authority personally appeared Ann Basey  
who on oath says he is the Secretary of The Herald-Advocate, a  
newspaper published at Wauchula, in Hardee County, Florida; that the attached copy of advertise-  
ment, being a Public Notice  
in the matter of Hardee Power Partners  
in the \_\_\_\_\_ Court, was published in said newspaper in the issues  
of September 6, 2007

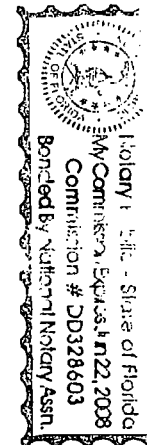
Affiant further says that the said Herald-Advocate is a newspaper published at Wauchula, in  
said Hardee County, Florida, and that the said newspaper has heretofore been continuously published  
in said Hardee County, Florida, each week and has been entered as second class mail matter at the  
post office in Wauchula, in said Hardee County, Florida, for a period of one year preceding the  
publication 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.

Ann Basey

Sworn to and subscribed before me this 6 day of September  
A.D. 20 07

Amy Taylor Brown  
Notary Public

My Commission Expires June 22, 2008



PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

Florida Department of Environmental Protection  
Division of Air Resource Management, Bureau of Air Regulation

Draft Permit No. 0490015-008-AC, Air Construction Permit Revision  
Draft Permit No. 0490015-009-AV, Concurrent Title V Air Operation Permit Revision

Hardee Power Partners, Hardee Power Station  
Hardee County, Florida

**Applicant:** The applicant for this project is Hardee Power Partners. The applicant's authorized representative and mailing address is Alex C. George, Vice President, Hardee Power Station, 6695 County Road 663 North, Fort Green Springs, Florida 33834.

**Facility Location:** The Hardee Power Partners operate an existing electrical generating power plant located in Hardee County at 6695 County Road 663 North in Fort Green Springs, Florida, 33834.

**Project:** The purpose of the project is to revise the original air construction permit and concurrently revise the Title V air operation permit to allow increases to the heat input rates for the Unit CT-2B simple cycle gas turbine. The draft permit authorizes increases from 880 to 950 MMBtu per hour when firing natural gas and from 950 to 1060 MMBtu per hour when firing distillate oil. Actual operating data indicates that the heat input rates provided by the gas turbine vendor underestimate the actual performance of the installed gas turbine. No physical or operational changes are necessary to realize the actual installed capacity of Unit CT-2B. No increase in the emissions standards (concentrations or mass emissions rates) are requested to accommodate the change. The applicant does not expect any emissions increases nor increased utilization as a result of the change. Unit CT-2B will continue to comply with all applicable provisions of the air construction and operation permits.

**Permitting Authority:** Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212, F.A.C. Applications for Title V air operation permits are subject to review in accordance with to provisions of Chapter 403, F.S. and Chapters 62-4, 62-210, and 62-213 F.A.C. The projects are not exempt from the permitting procedures for air construction and Title V air operation permits. The Florida Department of Environmental Protection's Bureau of Air Regulation is the Permitting Authority responsible for a permit determination for this project. The Bureau of Air Regulation's physical address is 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301 and the mailing address is 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Bureau of Air Regulation's phone number is 850/488-0114.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address and phone number listed above.

**Notice of Intent to Issue Air Permit:** The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all applicable provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

**Comments on the Draft Air Construction Permit Revision:** The Permitting Authority will accept written comments concerning the Draft Air Construction Permit Revision for a period of 14 days from the date of publication of the Public Notice. Written comments must be post-marked by the close of business (5:00 p.m.), on or before the end of this 14-day period by the Permitting Authority at the above address. If written comments result in a significant change to the Draft Permit, the Permitting Authority will issue a revised Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Comments on the Draft Title V Air Operation Permit Renewal:** The Permitting Authority will accept written comments concerning the Draft Permit for a period of 30 days from the date of publication of the Public Notice. Written comments must be post-marked by the close of business (5:00 p.m.), on or before the end of this 30-day period by the Permitting Authority at the above address. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location in the Florida Administrative Weekly and in a newspaper of general circulation in the area affected by the permitting action. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the Draft Permit, the Permitting Authority will issue a revised Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/245-2241; Fax: 850/245-2303). Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of this Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must 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 each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact; (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 the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this Public Notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

**Mediation:** Mediation is not available in this proceeding.

**Objections to the Draft Title V Air Operation Permit:** Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the administrator of the EPA within 60 days of the expiration of the Administrator's 45-day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any Title V permit. Any petition shall be based only on objections to the Title V permit that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any Title V permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C Section 7661d(b)(2), and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460.