



Environmental Consulting & Technology, Inc.

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RECEIVED

JUL 25 2001

LETTER OF TRANSMITTAL

BUREAU OF AIR REGULATION

TO FDEP  
111 South Magnolia Street  
Tallahassee, FL 32301  
(850) 921-9519

DATE July 24, 2001  
ATTENTION Mike Halpin, P.E.  
RE: Calpine Blue Heron Project

PROJECT NO. 000105-0500

We are sending you  Attached  Under Separate Cover via \_\_\_\_\_

Copies	Description
1	Public Notice Affidavit

These are transmitted as checked below:

- For Approval
- For review and comment
- Returned for Corrections
- For your information
- Review and Correct
- Prints Returned after loan to
- As requested
- Review and File
- \_\_\_\_\_

Remarks:  
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\_\_\_\_\_

Copy to Ben Borsch  
David Dee

Signed: T.W. Davis  
T.W. Davis

cc: *Mr. Halpin*  
*C. Halladay*  
*B. Owen*  
*J. Korson, C.D.*  
*M. Worley, EPA*  
*G. Bennett, NPS*



JUL 25 2001

**AFFIDAVIT OF PUBLICATION**

BUREAU OF AIR REGULATION

STATE OF FLORIDA  
 COUNTY OF INDIAN RIVER

Before the undersigned authority personally appeared, Darryl K. Hicks, who on oath says that he is President of the Press Journal, a daily newspaper published at Vero Beach in Indian River County, Florida; that the attached copy of advertisement was published in the Press Journal in the following issues below. Affiant further says that the said Press Journal is a newspaper published at Vero Beach in said Indian River County, Florida and that the said newspaper has heretofore been continuously published in said Indian River County, Florida daily and distributed in Indian River County, Florida, for a period of one year next preceding the first publication of 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. The Press Journal has been entered as second class matter at the Post Office in Vero Beach, Indian River County, Florida and has been for a period of one year next preceding the first publication of the attached copy of advertisement.

Ad #	Name	Date	Price Per Day	PO #
2193234	ENVIRON. CONSULT & TEC	07/19/2001	\$408.00	dep pa0042
			<b>Total \$408.00</b>	

**1010 Legal Notices 1010 Legal Notices 1010 Legal Notices 1010 Legal Notices**

PUBLIC NOTICE OF INTENT TO ISSUE PSD PERMIT  
 STATE OF FLORIDA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 DEP File No. PA 00-42  
 PSD-FL-309  
 Calpine Construction Finance Company, L.P.  
 1080 Megawatt Electric Power Plant  
 Indian River County

The Department of Environmental Protection (Department) gives notice of its intent to issue a PSD permit to Calpine Construction Finance Company, L.P. The permit is to install a gas-fired power plant referred to as Blue Heron Energy Center, approximately 5 miles southwest of Vero Beach, in Indian River County. A Best Available Control Technology (BACT) determination was required pursuant to Rule 62-212.400, F.A.C. and 40 CFR52.21 for emissions of particulate matter (PM and PM10), carbon monoxide (CO), nitrogen oxides (NOx), volatile organic compounds (VOC) sulfur dioxide (SO2) and sulfuric acid mist (SAM). The applicant's name and address are Calpine Construction Finance Company, L.P., The Pilot House, 2nd Floor, Lewis Wharf, Boston, MA 02110.

The project consists of four nominal 170 megawatt Siemens Westinghouse 501FD gas-fired combustion turbine-generators, which may be operated with duct-fired heat recovery steam generators (HRSGs) that will raise sufficient steam to produce approximately another 400 MW via a steam-driven electrical generator. The gas turbines and duct burners will fire only natural gas. The project also includes 3 cooling towers; a diesel-fired emergency generator; a diesel fire pump; four stacks and ancillary equipment.

Nitrogen oxides (NOx) emissions will be controlled by Dry Low NOx combustors. This technology combined with the use of an SCR while operating in combined cycle mode will ensure that facility-wide annual emissions of NOx are less than or equal to 453 TPY. Emissions of carbon monoxide (CO) will be controlled to 17 ppm, while emissions of volatile organic compounds (VOC) will be less than 46 ppm. Emissions of sulfur dioxide (SO2), sulfuric acid mist (SAM), and particulate matter (PM/PM10) will be very low because of the inherently clean pipeline quality natural gas.

The following maximum potential annual emissions (in tons per year) summarize the maximum increase in regulated air pollutants as a result of this project.

Pollutants	Maximum Facility Emissions
PM/PM10	452.8/408.5
SAM	26.6
SO2	145.1
NOx	453.2
VOC	140.6
CO	1839.8

An air quality impact analysis was conducted. Emissions from the facility will not contribute to or cause a violation of any state or federal ambient air quality standards. The project is over 200 km from any PSD Class I Area. The amount of PSD Class II increment consumed by this project along with all other increment-consuming sources in the area is shown below:

PSD Class II Increment (PM10)	Increment Consumed (ug/m3)	Allowable Increment (ug/m3)	Percent Increment Consumed
24-hour	26	30	87
Annual	4	17	24

The Department will issue the FINAL permit with the attached conditions and after approval of the certification pursuant to the Florida Power Plant Siting Act (Sections 403.501-519, F.S.) unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments and requests for a public meeting concerning the proposed permit issuance action for a period of thirty (30) days from the date of publication of "Public Notice of Intent to Issue PSD Permit." Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. If a petition for an administrative hearing on the Department's intent to issue is filed by a substantially affected person, that hearing shall be consolidated with the certification hearing, as provided under Section 403.507(3). The procedures for petitioning for a hearing are set forth below. Mediation is not available in this proceeding.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station # 35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen 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 will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department'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 how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department'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.

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

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

Florida Department of Environmental Protection  
 Bureau of Air Regulation  
 111 S. Magnolia Drive, Suite 4  
 Tallahassee, Florida, 32301  
 Telephone: 850/488-0114  
 Fax: 850/922-6979

Florida Department of Environmental Protection  
 Central District Office  
 3319 Maguire Blvd., Suite 232  
 Orlando, Florida 32803-3767  
 Telephone: 407/894-7555  
 Fax: 407/897-2966

The complete project file includes the application, technical evaluations, Draft Permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, New Resource Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information. The Technical Evaluation and Preliminary Determination as well as the Draft BACT Determination and Permit may be viewed at [www.dep.state.fl.us/air](http://www.dep.state.fl.us/air) by clicking on *Permitting* and then *Utilities and Other Facilities*.  
 July 19, 2001

2193234r

Subscribed and sworn to me before this date:

07/18/2001

*Darryl K. Hicks*

*Beverly M. Kechner*

Notary Public

