



Letter of Transmittal

Date: 06/14/96

Project No.: 14425-1200

To: Scott Sheplak
Florida Dept. of Environmental Prot.
2600 Blair Stone Road
Tallahassee, Florida 32399

RECEIVED

JUN 14 1996

BUREAU OF AIR REGULATION

Re: FLORIDA POWER CORPORATION
Bayboro Facility

1030013

The following items are being sent to you: with this letter under separate cover

Copies

Description

<u>Copies</u>	<u>Description</u>
<u>4</u>	<u>Title V Air Operating Permit Application (Hard Copy)</u>

These are transmitted:

- As requested
- For review
- For review and comment
- For approval
- For your information
- See Below

Remarks: As indicated on the enclosed bulletin, we will be submitting the above referenced application electronically after June 15, 1996

RECEIVED BY: _____

DATE: _____ TIME: _____

14422Y/F1/WP/ALL-LOT-2 (06/14/96)

6241 Northwest 23rd Street
Suite 500
Gainesville, Florida 32653-1500
352-336-5600 FAX 352-336-6603

5405 West Cypress Street
Suite 215
Tampa, Florida 33607
813-287-1717 FAX 813-287-1716

1801 Clint Moore Road
Suite 105
Boca Raton, Florida 33487
407-994-9910 FAX 407-994-9393

7785 Baymeadows Way
Suite 105
Jacksonville, Florida 32256
904-739-5600 FAX 904-739-7777

1616 P Street NW
Suite 350
Washington, DC 20036
202-462-1100 FAX 202-462-2270



Letter of Transmittal

Date: 06/25/96

Project No.: 14425-1200

To: Scott Sheplak
Florida Dept. of Environmental Prot.
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Re: Florida Power Corporation
Title V: Bayboro Plant

RECEIVED
JUN 26 1996
BUREAU OF
AIR REGULATION

The following items are being sent to you: with this letter under separate cover

<u>Copies</u>	<u>Description</u>
<u>1</u>	<u>Page 1 of Form hardcopy for verification</u>
<u>4</u>	<u>Air Operating Permit Application (Electronic Submittal ELSA 1.3b)</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

These are transmitted:

- As requested
- For review
- For review and comment
- For approval
- For your information
- For Electronic Submittal

Remarks: This is an electronic submittal of the permit application represented by page 1 of the form (attached). As indicated by the bulletin accompanying the previously submitted hard copy, original signature pages are not enclosed. They were provided with the hardcopy submittal. These disks were created using the submittal program included in ELSA 1.3b. If you have any questions, please contact Teresa Franklin or Jane Burnette.

Sender: Teresa Franklin for Bob McCann

cc: Scott Osbourne, File(2)

14425/F1/WP/3.LOT (06/25/96)

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Suite 500
Gainesville, Florida 32653-1500
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Department of Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT

APPLICATION FOR AIR PERMIT - LONG FORM

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

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JUN 26 1996
BUREAU OF
AIR REGULATION

I. APPLICATION INFORMATION

This section of the Application for Air Permit form identifies the facility and provides general information on the scope and purpose of this application. This section also includes information on the owner or authorized representative of the facility (or the responsible official in the case of a Title V source) and the necessary statements for the applicant and professional engineer, where required, to sign and date for formal submittal of the Application for Air Permit to the Department. If the application form is submitted to the Department using ELSA, this section of the Application for Air Permit must also be submitted in hard-copy.

Identification of Facility Addressed in This Application

Enter the name of the corporation, business, governmental entity, or individual that has ownership or control of the facility; the facility site name, if any; and the facility's physical location. If known, also enter the facility identification number.

1. Facility Owner/Company Name: Florida Power Corporation	
2. Site Name: Bayboro Plant	
3. Facility Identification Number: 1030013 [] Unknown	
4. Facility Location Information: Street Address or Other Locator: 13th Ave and 2nd St South City: St. Petersburg County: Pinellas Zip Code: 33711	
5. Relocatable Facility? [] Yes [x] No	6. Existing Permitted Facility? [x] Yes [] No

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

ACCOMEDIA™ DISKETTE NO. _____

ACCOMEDIA™ DISKETTE NO. _____

Facility: Florida Power Corporation
ID: 1030013

DISK 1 of 1
Date: June 25, 1996

KBN Engineering and Applied
Sciences, Inc.

V.S. JRB

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ID: 1030013

DISK 1 of 1
Date: June 25, 1996

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Sciences, Inc.

V.S. JRB

ACCOMEDIA™ DISKETTE NO. _____

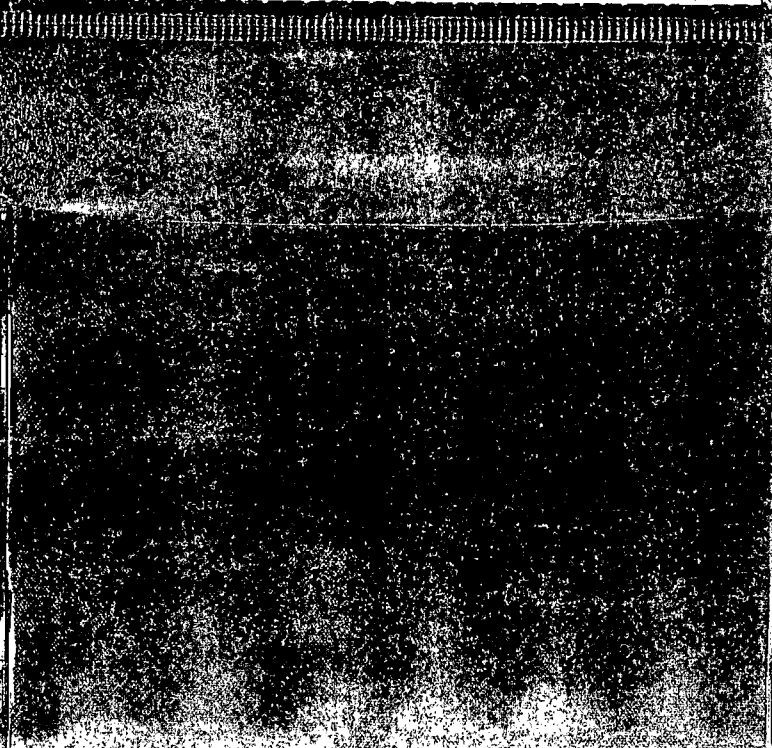
ACCOMEDIA™ DISKETTE NO. _____

Facility: Florida Power Corporation
ID: 1030013

DISK 1 of 1
Date: June 25, 1996

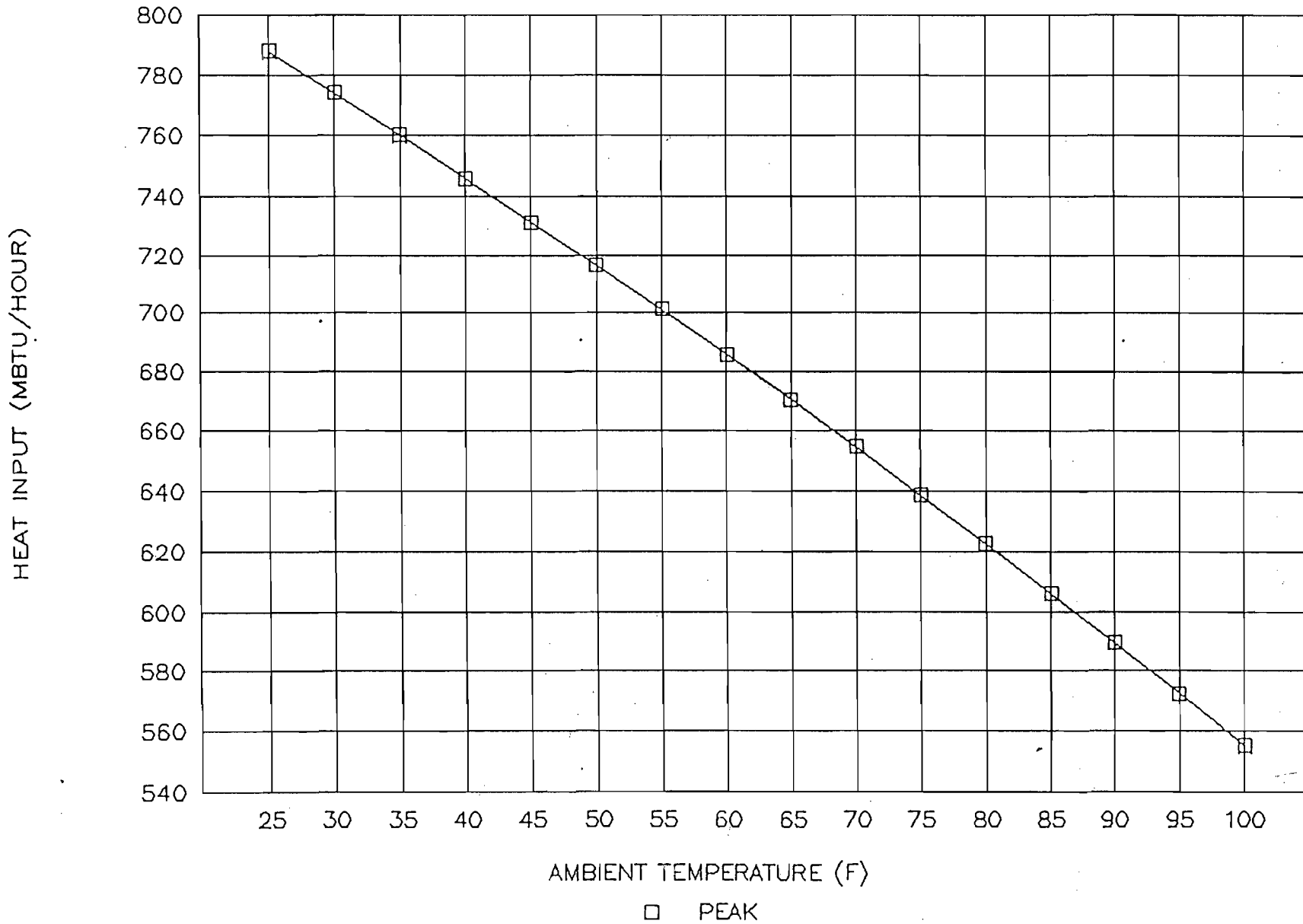
KBN Engineering and Applied
Sciences, Inc.

V.S. JRB



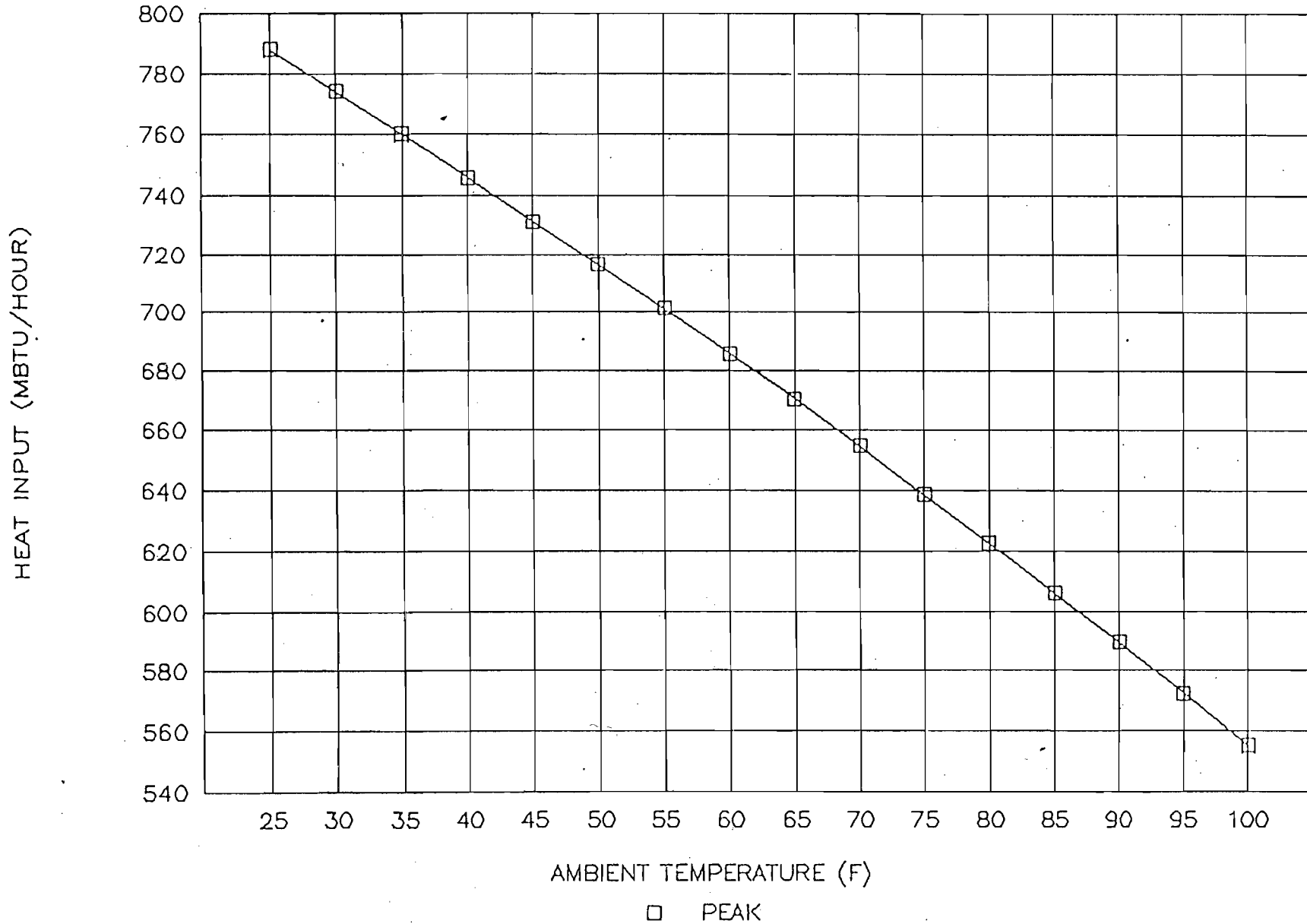
BAYBORO COMBUSTION TURBINE

FUEL HEAT INPUT vs AMBIENT TEMPERATURE



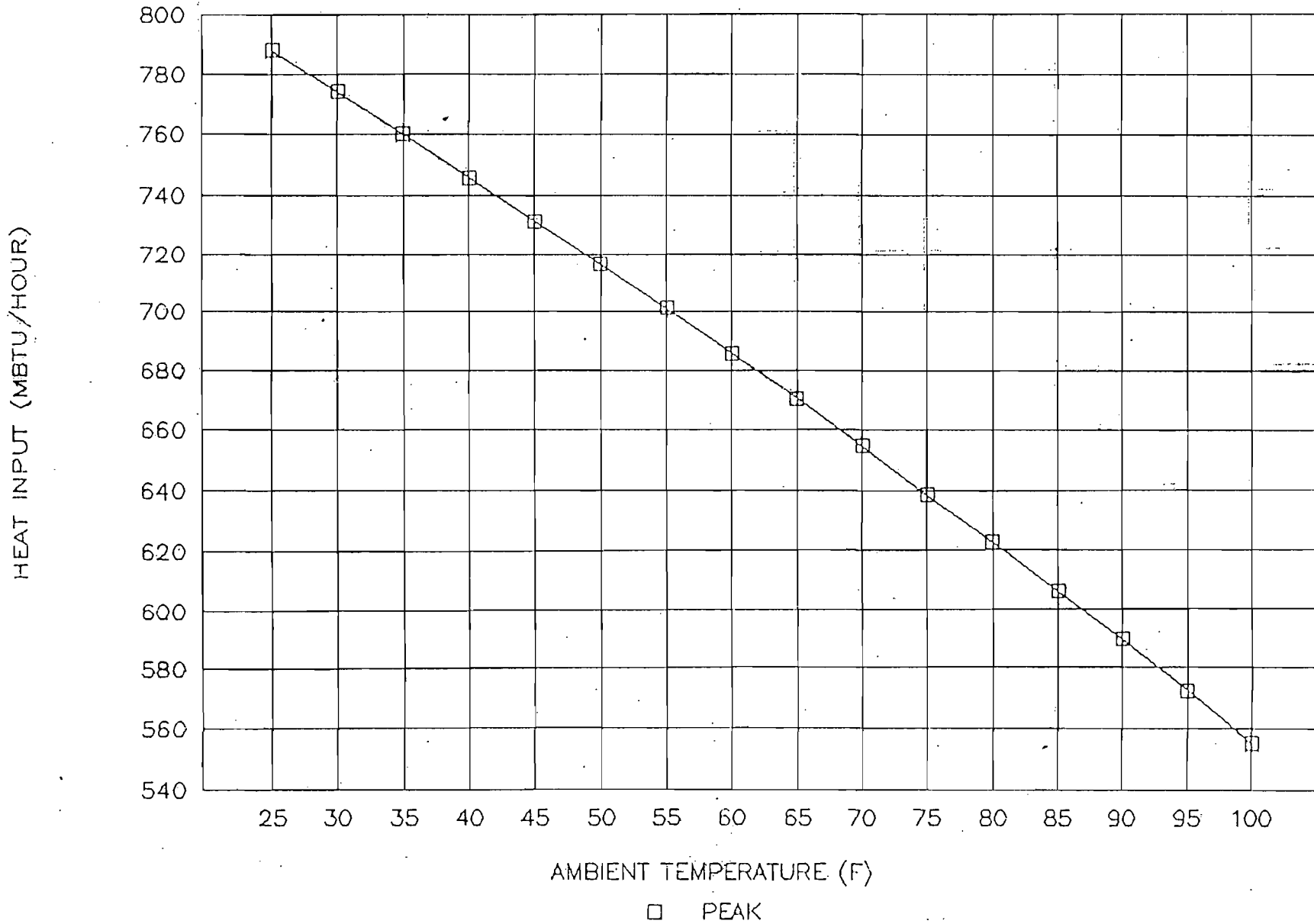
BAYBORO COMBUSTION TURBINE

FUEL HEAT INPUT vs AMBIENT TEMPERATURE



BAYBORO COMBUSTION TURBINE

FUEL HEAT INPUT vs AMBIENT TEMPERATURE





Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

June 27, 1996

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. W. Jeffery Pardue
Director, Environmental Services
Florida Power Corporation
3201 34th Street South
St. Petersburg, Florida 33711

Re: Title V Air Operation Permit Application
Facility ID No: 1030013
Site Name: Bayboro Plant

Dear Mr. Pardue:

On June 14, 1996, the Title V Section of the Bureau of Air Regulation received your Title V Air Operation Permit Application for the subject facility.

This letter is to inform you that the permitting authority for your facility is:

Southwest District Office
3804 Coconut Palm Drive
Tampa, Florida 33619-8218

Your submittal has been routed to the correct permitting authority for their processing. Failure to submit your application to the correct permitting authority does not affect the date your application was received.

If you should have any questions please contact Bruce Mitchell or Scott Sheplak at (904)488-1344.

Sincerely,

John C. Brown, Jr., P.E.
Administrator
Title V Section

JCB/ss/bb

copy: Kennard F. Kosky, P.E. - KBN
Bill Thomas - SWD