



Jeb Bush
Governor

Department of Environmental Protection

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

David B. Struhs
Secretary

May 17, 2002

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Robert G. Moore
Vice-President of Power Generation/Transmission
Gulf Power Company
One Energy Place
Pensacola, Florida 32520-0328

Re: DEP File No. PSD-FL-269 (PA 99-40)
Lansing Smith Electric Generating Plant


Dear Mr. Moore:

Enclosed is one copy of the Draft PSD Permit Modification relative to the maximum heat input rates while firing natural gas on Lansing Smith Units 4 & 5 Combined Cycle Units. The facility is located at 4300 Highway 2300, Southport, Bay County.

The Public Notice of Intent to Issue PSD Permit Modification must be published one time only, as soon as possible, in the legal advertisement section of a newspaper of general circulation in the area affected, pursuant to the requirements Chapter 50, Florida Statutes. Proof of publication, i.e., newspaper affidavit, must be provided to the Department's Bureau of Air Regulation office within seven days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit.

Please submit any written comments you wish to have considered concerning the Department's proposed action to A. A. Linero, P.E., Administrator, New Source Review Section at the above letterhead address. If you have any other questions, please contact Michael P. Halpin at 850/921-9519.

Sincerely,


C. H. Fancy, P.E., Chief,
Bureau of Air Regulation

CHF/mph

Enclosures

"More Protection, Less Process"

Printed on recycled paper.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Robert G. Moore
 Vice-President of
 Power Generation/Transmission
 Gulf Power Company
 One Energy Place
 Pensacola, FL 32520-0328

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature

Janis Blakely
 Agent
 Addressee

D. Is delivery address different from sender's?
 If YES, enter delivery address below: Yes
 No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

7003 0320 0003 3692 8789

Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

**U.S. Postal Service
 CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)**

7003 0320 0001 3692 8789

0320 0001 3692 8789

Postage \$ _____
 Certified Fee _____
 Return Receipt Fee _____
 (Endorsement Required)
 Restricted Delivery Fee _____
 (Endorsement Required)
 Total Postage & Fees \$ S

Sent to
 Robert G. Moore
 Street, Apt. No. or P.O. Box
 One Energy Place
 City, State, ZIP+4
 Pensacola, FL 32520-0328

PS Form 3806, January, 2001

See Reverse for Instructions

In the Matter of an
Application for Permit by:

Robert G. Moore, V.P. Power Generation/Transmission
Gulf Power Company
One Energy Place
Pensacola, Florida 32520-0328

DEP File No. PSD-FL-269 (PA 99-40)

INTENT TO ISSUE PSD PERMIT MODIFICATION

The Department of Environmental Protection (Department) gives notice of its intent to issue a PSD Permit Modification (copy of Draft permit attached) for the proposed project, detailed in the application specified above and for the reasons stated below.

The applicant, Robert G. Moore, Vice-President Power Generation/Transmission, Gulf Power Company, applied on May 6, 2002, to the Department for a PSD Permit Modification for its Lansing Smith Electric Generating Plant located at 4300 Highway 2300, Southport, Bay County. The request is to revise the permit to incorporate the maximum heat input using the higher heating value (HHV) of natural gas on Lansing Smith Units 4 & 5 Combined Cycle Units.

The Department has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-212. The above actions are not exempt from permitting procedures. The Department has determined that a PSD Permit Modification is required to revise the permit with respect to listed heat input values.

The Department intends to issue this PSD Permit Modification based on the belief that reasonable assurances have been provided to indicate that operation of these emission units will not adversely impact air quality, and the emission units will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.

Pursuant to Section 403.815, F.S., and Rule 62-110.106(7)(a)1., F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue PSD Permit Modification. The notice shall be published one time only in the legal advertisement section of a newspaper of general circulation in the area affected. Rule 62-110.106(7)(b), F.A.C., requires that the applicant cause the notice to be published as soon as possible after notification by the Department of its intended action. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting 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 Department at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114; Fax 850/ 922-6979). You must provide proof of publication within seven days of publication, pursuant to Rule 62-110.106(5), F.A.C. No permitting action for which published notice is required shall be granted until proof of publication of notice is made by furnishing a uniform affidavit in substantially the form prescribed in section 50.051, F.S. to the office of the Department issuing the permit. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rules 62-110.106(9) & (11), F.A.C.

The Department will issue the final permit with the attached conditions 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 concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of Public Notice of Intent to Issue PSD Permit Modification. 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. The procedures for petitioning for a hearing are set forth below.

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, 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; 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.

Mediation is not available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542 F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition

must specify the following information: (a) The name, address, and telephone number of the petitioner; (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any; (c) Each rule or portion of a rule from which a variance or waiver is requested; (d) The citation to the statute underlying (implemented by) the rule identified in (c) above; (e) The type of action requested; (f) The specific facts that would justify a variance or waiver for the petitioner; (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2) F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Executed in Tallahassee, Florida.


C. H. Fancy, P.E., Chief
Bureau of Air Regulation

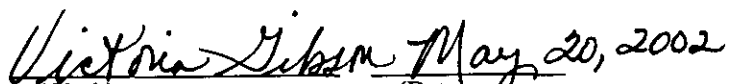
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Intent to Issue PSD Permit Modification (including the Public Notice of Intent to Issue PSD Permit Modification and the Draft permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 5/20/02 to the person(s) listed:

Mr. Robert G. Moore, Gulf Power *
Mr. G. Dwain Waters, Gulf Power
Ms. Sandra Veazey, DEP-NWD
Mr. John Bunyak, NPS
Mr. Gregg Worley, EPA
Mr. Hamilton S. Oven, DEP-Siting
Chair, Bay County

Clerk Stamp

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


(Clerk) May 20, 2002
(Date)

PUBLIC NOTICE OF INTENT TO ISSUE PSD PERMIT MODIFICATION

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DEP File No. PSD-FL-269 (PA 99-40)

Lansing Smith Electric Generating Plant
Southport, Bay County

The Department of Environmental Protection (Department) gives notice of its intent to issue a PSD Permit Modification to Gulf Power Company, for the Lansing Smith Electric Generating Plant located at 4300 Highway 2300, Southport, Bay County. The permit is to revise the permit to incorporate the maximum heat input using the higher heating value of natural gas on Lansing Smith Units 4 & 5 Combined Cycle Units. These are new generating units, which have commenced initial operation. The applicant's mailing address is: Gulf Power Company, One Energy Place, Pensacola FL 32520.

This modification will revise the authorized heat input rates from 1751 MMBtu/hr (LHV at 65 degrees F) to 1927 MMBtu/hr (HHV at 65 degrees F) for each combustion turbine. The modification will also revise the maximum heat input of the duct burners from 275 MMBtu/hr (LHV at 65 degrees F) to 303 MMBtu/hr (HHV at 65 degrees F) each. The Department estimates that the maximum heat inputs using the HHV values are roughly equivalent to the LHV values. There will be no change to the authorized emissions as a result of this modification.

An air quality impact analysis was not conducted. The Department will issue the Final Permit with the attached conditions 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 concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of this Public Notice of Intent to Issue PSD Permit Modification. 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. 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

NOTICE TO BE PUBLISHED IN THE NEWSPAPER

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, 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; 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:

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

Dept. of Environmental Protection
Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794
Telephone: 850/595-8300
Fax: 850/595-4417

The complete project file includes the application, 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 Source Review Section, at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information. The Draft Permit may be viewed at <http://www.dep.state.fl.us/air/permitting/construct.htm>

NOTICE TO BE PUBLISHED IN THE NEWSPAPER

June XX, 2002

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Robert G. Moore, V.P. Power Generation/Transmission
Gulf Power Company
One Energy Place
Pensacola, Florida 32520-0328

Re: DEP File No. PSD-FL-269, PA 99-40
Lansing Smith Unit 4 & 5 Heat Input

Dear Mr. Moore:

The Department reviewed your request dated May 6, 2002 to modify the PSD Permit relative to the maximum heat input rates while firing natural gas. The Department has additionally reviewed the provided summary of initial compliance test data from March 21/27 and April 5/12. According to the supplied information, the Department has concluded that no emissions increase will result from this request. Accordingly, this request is acceptable as indicated herein.

Permit PSD-FL-269 is hereby modified as follows:

The maximum heat input of the combustion turbines is revised from 1751 MMBtu/hr (LHV at 65 degrees F) to 1927 MMBtu/hr (HHV at 65 degrees F) each.

The maximum heat input of the duct burners is revised from 275 MMBtu/hr (LHV at 65 degrees F) to 303 MMBtu/hr (HHV at 65 degrees F) each.

No other changes to the permit are authorized by this action.

A copy of this letter shall be filed with the referenced permit and shall become part of the permit. This permit modification is issued pursuant to Chapter 403, Florida Statutes. Any party to this order (permit modification) has the right to seek judicial review of it under Section 120.68, F.S., by the filing of a Notice of Appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within (thirty) days after this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

Sincerely,

Howard L. Rhodes, Director
Division of Air Resources
Management

HLR/mpb

One Energy Place
Pensacola, Florida 32520

Tel 850.444.6111

RECEIVED

MAY 13 2002

BUREAU OF AIR REGULATION



May 06, 2002

Mr. Mike Halpin
Florida Department of Environmental Protection
Bureau of Air Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400 Northwest District

Dear Mr. Halpin:

RE: LANSING SMITH ELECTRIC GENERATION FACILITY
UNIT 4 & 5 COMBINED CYCLE UNITS
DEP File No. 99-40, PSD-FL-269

Gulf Power requests that the above referenced PSD Permit be revised to increase the allowable heat input pursuant to actual test results and revised information from General Electric. Gulf Power has completed the initial compliance test and CEM certification on these units and has determined that the units are operating within the emissions standards outlined in the permit. A summary of the Unit 4 & 5 test results are attached for your review. The official compliance test report will be filed within 10 days with the District. Also enclosed are graphs with proposed new limits for heat input for the two modes of operation outlined in the PSD permit, i.e., Normal Mode (CT+DB) and Power Augmentation. Additionally, there is a proposed 95-100% Test Curve for future reference tests.

Please note that the original PSD permit outlines a maximum heat input for the CT at 1751 MBTU/HR (LHV at 65° F) and 275 MBTU/HR (LHV at 65° F) for the Duct Burner. The new requested values at an equivalent temperature (using a HHV) is 1775 and 299 MBTU/HR, respectively. This data was extrapolated using GE performance design data and test results to 15° F. and 95° F. and is outlined in the heat input curves attached.

If you have any questions or need further information regarding this request for modification of the Smith Unit 4 & 5 PSD permit, please call me at (850) 444.6527.

Sincerely,

A handwritten signature in black ink, appearing to read "G. Dwain Waters Q.E.P." with a stylized flourish at the end.

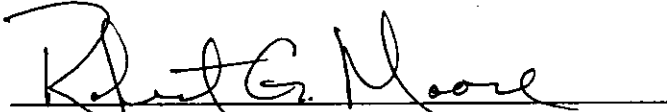
G. Dwain Waters, Q.E.P.
Air Quality Programs Supervisor

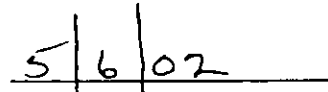
cc: w/att: James O. Vick, Gulf Power Company
William T. Hall, Gulf Power Company
Marie Largilliere, Gulf Power Company.
Mike Smith, Gulf Power Company
Sandra Veazey, FDEP Northwest Florida District Office, Pensacola, Florida

CERTIFICATION BY RESPONSIBLE OFFICIAL

"I, the undersigned, am the responsible official, as defined in Chapter 62-210.200, F.A.C., for the Title V source for which this request is being submitted. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made and data contained in this request are true, accurate and complete."

Responsible Official Signature:


Robert G. Moore
Vice-President of Power Generation/Transmission


Date:

RECEIVED

MAY 13 2002

BUREAU OF AIR REGULATION

Plant Smith
Unit 4
Turbine and Duct Burner

Date of Test: March 21, 2002

Run #	Heat Input MMBTU/Hour	NOx (lb/Hour)	NOx Standard (lb/hour)	VOC (ppm)	VOC Standard (ppm)	CO (ppm)	CO Standard (ppm)
1	2056.499	69.6	82.9	0.16	4.00	0.98	16.00
2	2079.813	66.9	82.9	0.15	4.00	1.31	16.00
3	2082.882	67.0	82.9	0.15	4.00	1.34	16.00
Average:	2073.064667	67.8	82.9	0.15	6.00	1.21	23.00

Plant Smith
Unit 5
Turbine and Duct Burner

Date of Test: March 27, 2002

Run #	Heat Input MMBTU/Hour	NOx (lb/Hour)	NOx Standard (lb/hour)	VOC (ppm)	VOC Standard (ppm)	CO (ppm)	CO Standard (ppm)
1	2048.608	64.4	82.9	0.54	4.00	1.30	16.00
2	2080.659	65.0	82.9	0.23	4.00	1.25	16.00
3	2094.599	64.0	82.9	0.15	4.00	1.21	16.00
Average:	2074.622	64.5	82.9	0.31	4.00	1.26	16.00

*Note: The VOC and CO concentrations have been corrected to 15% O₂.

Plant Smith
Unit 4
Power Augmentation

Date of Test: April 5, 2002

Run #	Heat Input MMBTU/Hour	NOx (lb/Hour)	NOx Standard (lb/hour)	VOC (ppm)	VOC Standard (ppm)	CO (ppm)	CO Standard (ppm)
1	2106.136	58.5	113.2	1.11	6.00	4.62	23.00
2	1981.548	55.6	113.2	0.22	6.00	4.67	23.00
3	2003.594	69.1	113.2	0.5	6.00	6.26	23.00
Average:	2030.426	61.0	113.2	0.61	6.00	5.18	23.00

Plant Smith
Unit 5
Power Augmentation

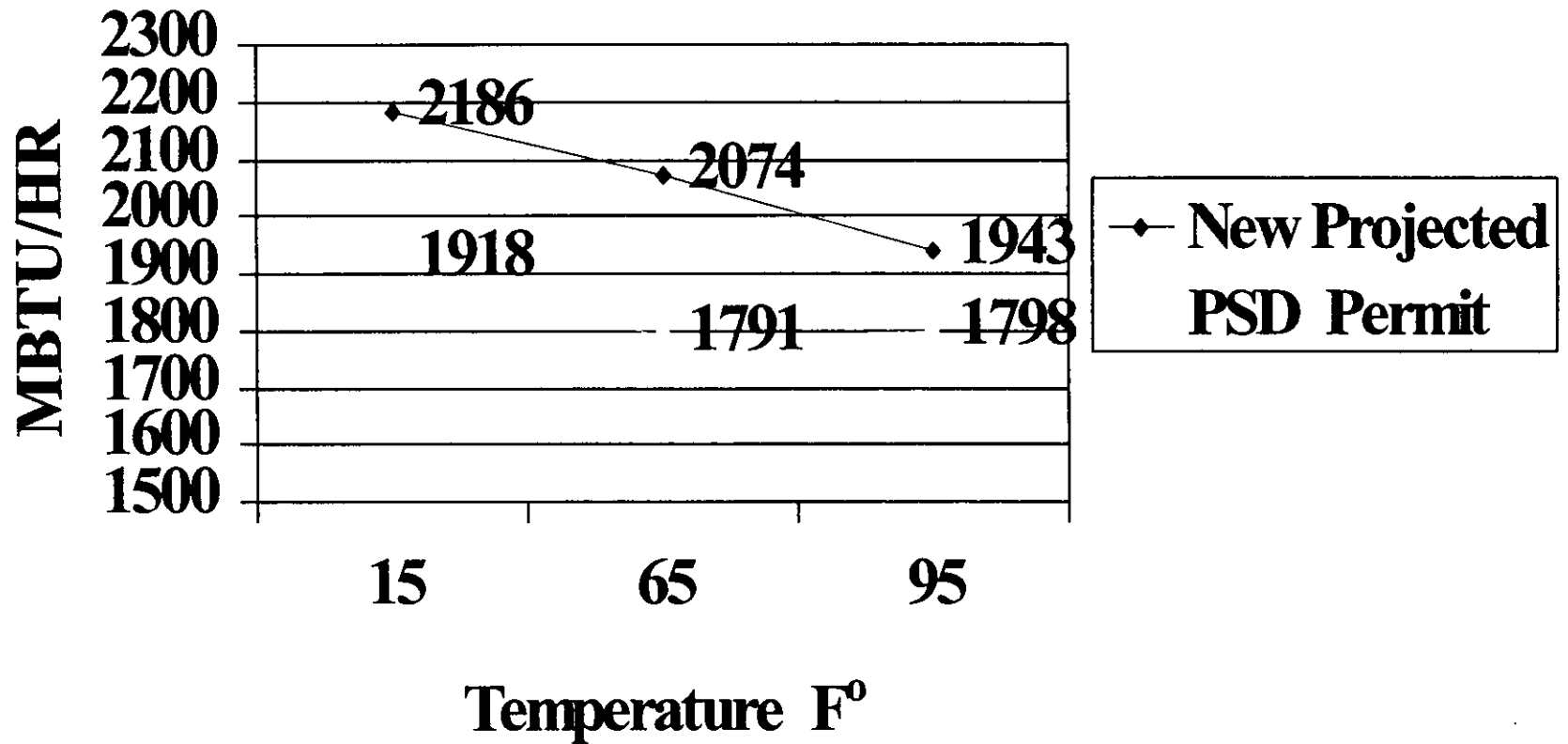
Date of Test: April 12, 2002

Run #	Heat Input MMBTU/Hour	NOx (lb/Hour)	NOx Standard (lb/hour)	VOC (ppm)	VOC Standard (ppm)	CO (ppm)	CO Standard (ppm)
1	1949.635	56.5	113.2	0.34	6.00	8.97	23.00
2	1949.085	59.5	113.2	0.38	6.00	8.12	23.00
3	1952.644	58.5	113.2	0.42	6.00	8.76	23.00
Average:	1950.455	58.2	113.2	0.38	6.00	8.61	23.00

*Note: The VOC and CO concentrations have been corrected to 15% O₂.

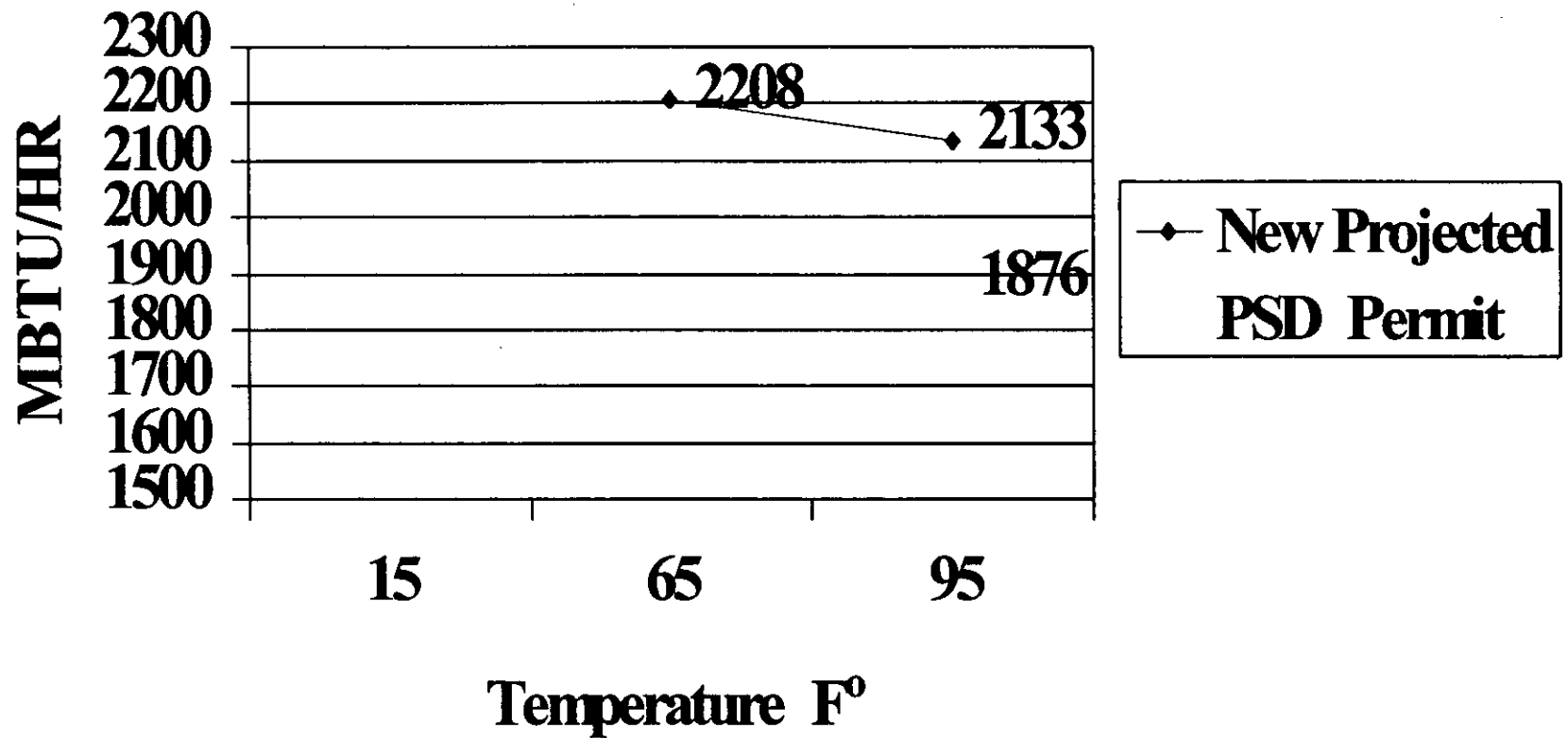
Smith Unit 4 & 5 Heat Input

CT+DB Mode

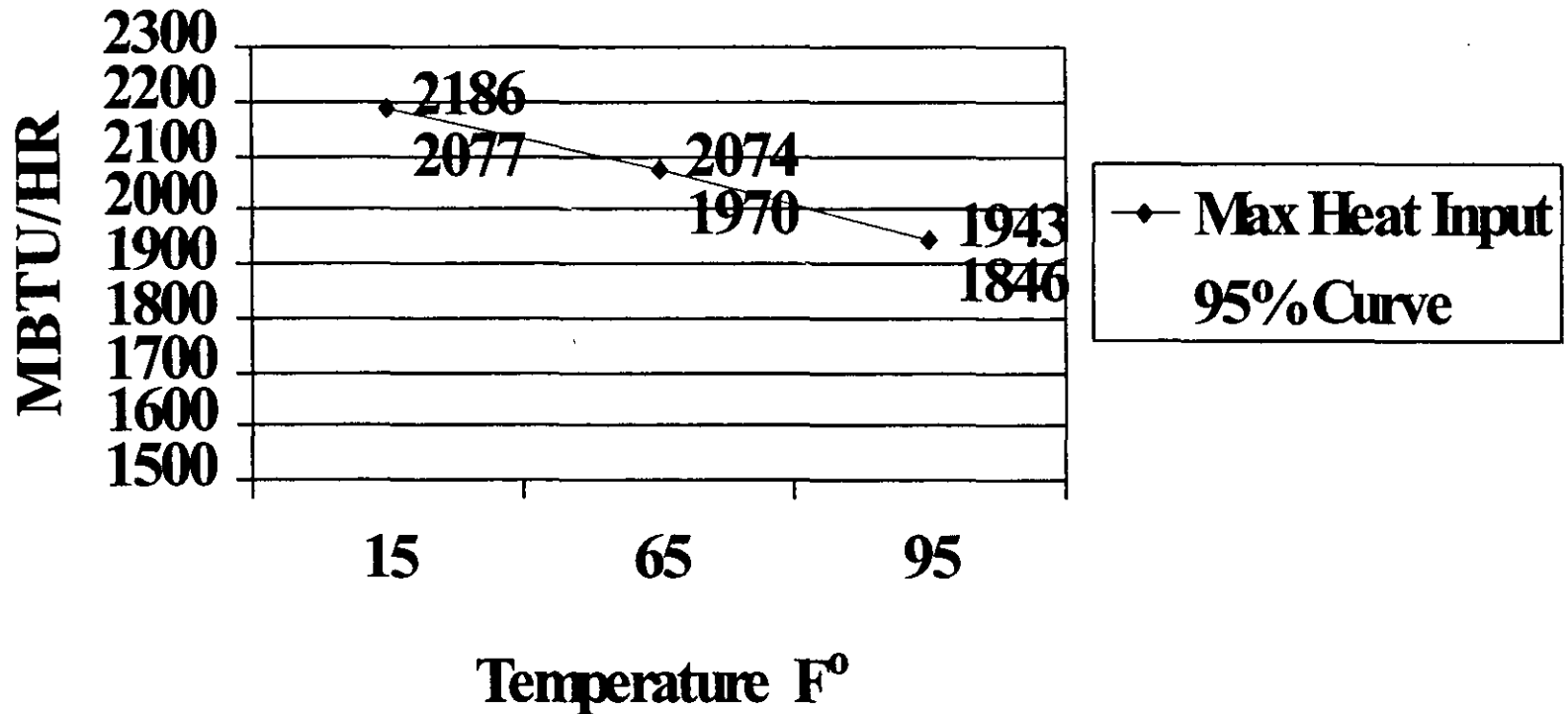


Smith Unit 4 & 5 Heat Input

PA Mode



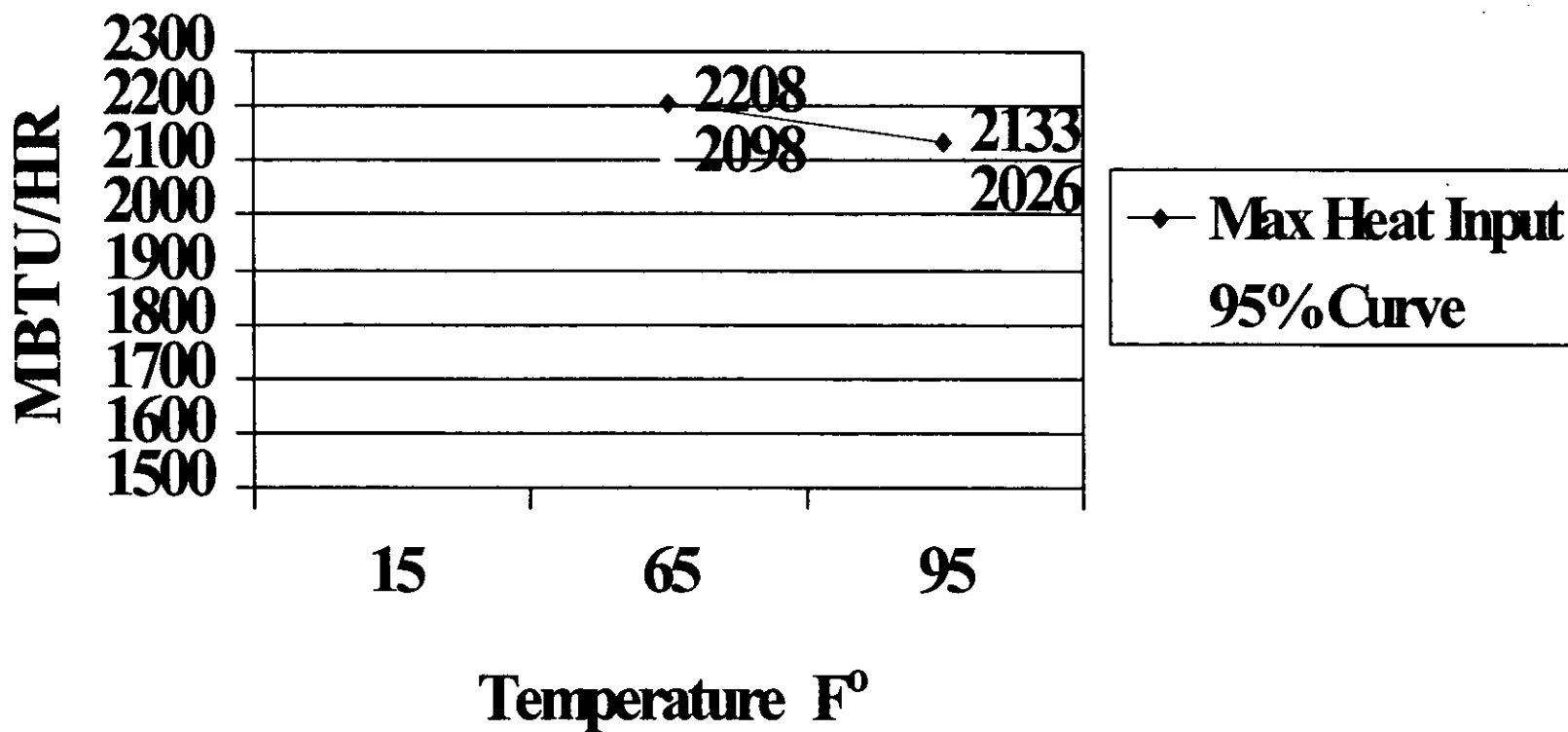
Smith Unit 4 & 5 Heat Input Normal Mode (CT+DB) 100-95% Testing Curve



Smith Unit 4 & 5 Heat Input


PA Mode

100-95% Testing Curve



Memorandum

Florida Department of Environmental Protection

TO: C.H. Fancy
THRU: Al Linero 
FROM: M. P. Halpin
DATE: May 17, 2002
SUBJECT: Gulf Power Lansing Smith

Attached for approval and signature is a PSD Permit Modification for the newly installed combined cycle unit at the Lansing Smith Electric Generating Plant. Based upon initial testing, Gulf Power wishes to revise the listed heat inputs to Higher Heating Values (HHV) versus Lower heating Values (LHV). As per attached, the current limits are 1751 MMBtu/hr and 275 MMBtu/hr for the CT's and Duct burners respectively.

Gulf's request (also attached) proposes HHV values which we believe to be less than or equal to the current (permitted) LHV ratings. Two sources of information (El Paso and Santa Barbara County APCD) suggest that a ratio of HHV/LHV equal to 1.10 is equivalent, whereas a third (British Columbia) utilizes a ratio of HHV/LHV equal to 1.11. In the draft permit, we utilize a value of 1.10 for the HHV/LHV ratio and have no reason to believe that the permit modification represents a change of any significance, nor are any emission increases expected.

I recommend your approval and signature.

Attachments
mph

Calculations:

Combustion Turbines – $1927(\text{HHV}) / 1751(\text{LHV}) = 1.10$

Duct Burners – $303(\text{HHV}) / 275 (\text{LHV}) = 1.10$