

Check Sheet

Company Name: \_\_\_\_\_  
Permit Number: \_\_\_\_\_  
PSD Number: \_\_\_\_\_  
Permit Engineer: \_\_\_\_\_

Pensacola Christian School  
AC 17-139470

Cross References:

- 
- 
- 

**Application:**

- Initial Application
- Incompleteness Letters
- Responses
- Waiver of Department Action
- Department Response
- Other

**Intent:**

- Intent to Issue
- Notice of Intent to Issue
- Technical Evaluation
- BACT or LAER Determination
- Unsigned Permit
- Correspondence with:

- EPA
- Park Services
- Other

- Proof of Publication
- Petitions - (Related to extensions, hearings, etc.)
- Waiver of Department Action
- Other

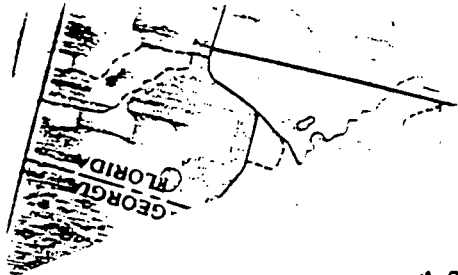
**Final**

**Determination:**

- Final Determination
- Signed Permit
- BACT or LAER Determination
- Other

**Post Permit Correspondence:**

- Extensions/Amendments/Modifications
- Other



<p><b>Florida Division of Corporations Public Access</b></p>	<p><b>Corporate Inquiry Menu:</b> Please select an inquiry type from the list below, then enter a search key in the search field. Press <b>SEARCH</b> to begin the search.</p>
<p>Inquiry by:  <input type="radio"/> Corporation / Trademark Name  <input type="radio"/> Officer / Registered Agent Name  <input type="radio"/> Registered Agent Name  <input type="radio"/> Trademark Owner Name  <input type="radio"/> FEI Number  <input type="radio"/> Document Number  <input type="radio"/> Trademark Name</p> <p><b>Search String:</b></p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	<p>11/21/97 CORPORATE DETAIL RECORD SCREEN 11:58 AM          NUM: 700640 ST:FL ACTIVE/FL NON-PROF FLD: 03/16/1960          LAST: NAME CHANGE AMENDMENT FLD: 04/09/1984          FEI#: 59-0940532          NAME : PENSACOLA CHRISTIAN COLLEGE, INC.          NH: 1          PRINCIPAL: 250 BRENT LANE CHANGED: 01/27/97          ADDRESS PENSACOLA, FL 32503 US          MAILING : BOX 18000          ADDRESS PENSACOLA, FL 32523          RA NAME : HORTON, ARLIN R          RA ADDR : 250 BRENT LANE ADDR CHG: 01/27/97          PENSACOLA, FL 32503 US          ANN REP : (1995) BN 01/25/95 (1996) BN 01/29/96 (1997) B 01/27/97</p>
<p style="text-align: center;">Search      <a href="#">HomePage</a></p>	<p style="text-align: center;"><a href="#">Officers</a>   <a href="#">Events</a>   <a href="#">Names</a></p> <p style="text-align: center;">----- THIS IS NOT OFFICIAL RECORD; SEE DOCUMENTS IF QUESTION OR CONFLICT -----</p>

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address.    2.  Restricted Delivery  
 †(Extra charge)† †(Extra charge)†

3. Article Addressed to: Mr. Arlen R. Horton Pensacola Christian College, Inc. Rawson Lane Pensacola, FL 32503	4. Article Number P 274 010 397 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail Always obtain signature of addressee or agent and <u>DATE DELIVERED</u> .
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>James C. Oesch</i>	
7. Date of Delivery	

PS Form 3811, Mar. 1987

\* U.S.G.P.O. 1987-178-268

DOMESTIC RETURN RECEIPT

P 274 010 397

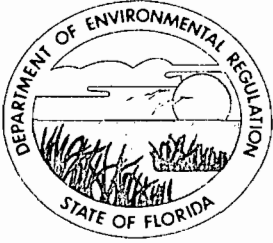
**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

\* U.S.G.P.O. 1985-480-784

PS Form 3800, June 1985

Sent to <u>Mr. Arlen R. Horton, Pensacola Christian College, Inc.</u>	
Street and No. <u>Rawson Lane</u>	
P.O., State and ZIP Code <u>Pensacola, FL 32503</u>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 11-4-88 Permit: AC 17-139470 PSD-FL-128	



# Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

October 31, 1988

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Arlen R. Horton  
Pensacola Christian College, Inc.  
Rawson Lane  
Pensacola, Florida 32503

Dear Mr. Horton:

Re: Extension of Expiration Date, Gas-Fired Internal Combustion  
Engine 3, Permit No. AC 17-139470, PSD-FL-128

The Department has received and reviewed your request dated  
September 22, 1988, for an extension of the expiration date of  
the above referenced permit.

The Department is in agreement with your request and so the  
following shall be changed and added to the permit:

Expiration Date Change:

From: December 1, 1988  
To: June 30, 1989

Attachment to be Added:

3. Letter from Stone and Webster dated September 22, 1988.

This letter must be attached to your construction permit,  
AC 17-139470 and shall become a part of the permit.

Sincerely,

Dale Twachtmann  
Secretary

DT/ks

cc: E. Middleswart, NW District  
T. Ott, Stone & Webster  
W. Aronson, EPA

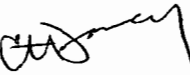


State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

# Interoffice Memorandum

TO: Dale Twachtmann

for FROM: Steve Smallwood 

SUBJ: Extension of Expiration Date  
Permit No. AC 17-139470, PSD-FL-128  
Pensacola Christian College

DATE: October 31, 1988

---

Attached for your approval and signature is a letter prepared by Central Air Permitting to extend the expiration date of the above referenced air construction permit. There are no controversies associated with this extension.

I recommend your approval and signature.

SS/PR/s

attachment

# STONE & WEBSTER ENGINEERING CORPORATION



3 EXECUTIVE CAMPUS, P.O. Box 5200  
CHERRY HILL, NEW JERSEY 08034

BOSTON  
CHERRY HILL, N.J.  
DENVER  
HOUSTON  
NEW YORK  
DALLAS  
PORTLAND, OR  
RICHLAND, WA  
WASHINGTON, D.C.

TELEPHONE: 609-482-3000  
W. U. TWX: 710-892-0148  
710-892-0147  
RCA TELEX: 275545

*ed w*  
*9/21*  
*C Jack*

Mr. R. Kriegel  
District Manager  
State of Florida  
Department of Environmental Regulation  
Northwest District  
160 Governmental Center  
Pensacola, FL 32501-5794

September 22, 1988  
J.O.No. 15927.01  
PCC-X-0024

COGENERATION PROJECT  
CONSTRUCTION/OPERATION PERMIT  
PENSACOLA CHRISTIAN COLLEGE

This letter is to request an extension to Construction Permit AC-17-139470 for gas-fired internal combustion engine No. 3 at Pensacola Christian College. It is unlikely that this unit will be ready to undergo the required EPA testing for an operating permit 90 days prior to the expiration date of the construction permit, which is December 1, 1988.

T. L. Ott  
Project Manager

GM:NS

*copied: Pradeep Raval*  
*Shayne Aronson, EPA*  
*CHF/BT*

RECEIVED

SEP 29 1988

DER-BAQM

RECEIVED

SEP 26 1988

Northwest Florida  
DER

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP		ACTION NO	
		ACTION DUE DATE	
1. TO: (NAME, OFFICE, LOCATION)	CAPS	RECEIVED SEP 29 1988	Initial
			Date
2.	BAQM	DER-BAQM	Initial
			Date
3.	DER		Initial
			Date
4.	Tallahassee		Initial
			Date

REMARKS:

I have kept a copy of this for NW District Air Program Files,  
Please act upon the request from CAPS

INFORMATION

- Review & Return
- Review & File
- Initial & Forward

DISPOSITION

- Review & Respond
- Prepare Response
- For My Signature
- For Your Signature
- Let's Discuss
- Set Up Meeting
- Investigate & Report
- Initial & Forward
- Distribute
- Concurrence
- For Processing
- Initial & Return

FROM:

Jan Sheer

DATE

Sept 29, 1988

PHONE



PM  
March 16, 1988  
Atlanta, GA

file copy

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET  
ATLANTA, GEORGIA 30365

RECEIVED

MAR 15 1988

MAR 18 1988

4APT/APB-aes

DER-BAQM

Mr. C. H. Fancy, P.E., Deputy Chief  
Bureau of Air Quality Management  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Re: Pensacola Christian College (PSD-FL-128)

Dear Mr. Fancy:

This is to acknowledge receipt of your February 10, 1988, technical evaluation/final determination for the PSD-exempt major modifications at the above referenced facility in Pensacola, Florida. We have reviewed your determination and concur.

We will retain copies of the final determination and permit for our files.

Sincerely,

Bruce P. Miller, Chief  
Air Programs Branch  
Air, Pesticides, and Toxics  
Management Division

Copied: Pradeep Raval }  
CHF/BT } 3-21-88 (mr)





file

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB MARTINEZ  
GOVERNOR  
DALE TWACHTMANN  
SECRETARY

February 10, 1988

Mr. Wayne Aronson, Chief  
Program Support Section  
U.S. EPA, Region IV  
345 Courtland Street, N.E.  
Atlanta, Georgia 30365

Dear Mr. Aronson:

RE: Pensacola Christian College, Inc.  
State Construction Permit: AC 17-139470  
Federal Permit Number: PSD-FL-128

Enclosed is the final determination for Pensacola Christian College, Inc. If you have any comments or questions, please contact Pradeep Raval at the above address or at (904)488-1344.

Sincerely,

*M. V. Janes*

Margaret V. Janes  
Planner  
Bureau of Air Quality  
Management

/mj

Enclosure

File Copy

PM  
5 Feb 1988  
Atlan



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION IV  
345 COURTLAND STREET  
ATLANTA, GEORGIA 30365

FEB - 4 1988

4APT/APB-aes

Mr. C. H. Fancy, P.E., Deputy Chief  
Bureau of Air Quality Management  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

DER  
FEB 9 1988 (m)  
BAQM

Re: Pensacola Christian College (PSD-FL-128)

Dear Mr. Fancy:

This is to acknowledge receipt of your January 12, 1988, technical evaluation/preliminary determination for the PSD exempt major modifications at the above referenced facility in Pensacola, Florida. We have reviewed your determination and concur.

Please submit copies of the final determination and permit when they are issued.

Sincerely,

*Bruce P. Miller*

Bruce P. Miller, Chief  
Air Programs Branch  
Air, Pesticides, and Toxics  
Management Division

Copied: Pradeep Raval }  
CHF/BT } 2.9.88 (m)  
E. Middleman, MWDist

UNITED STATES  
ENVIRONMENTAL PROTECTION AGENCY  
REGION IV  
345 COURTLAND STREET  
ATLANTA, GEORGIA 30365

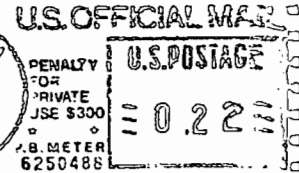
OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE, \$300  
AIR-4

~~28~~  
2-10-88

~~CHE~~  
~~BR~~ FYI

(4)

Mr. C. H. Fancy, P.E., Deputy Chief  
Bureau of Air Quality Management  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400



**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery.

3. Article Addressed to: Mr. Arlen R. Horton resident/Founder Pensacola Christian College, Inc. Lawson Lane Pensacola, FL 32503	4. Article Number P. 274 010 465
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail
	Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Addressee X	6. Addressee's Address (ONLY if requested and fee paid) Pensacola Christian College Lawson Lane Pensacola, FL 32503 RECEIVED DEPARTMENT OF THE TREASURY SUPPLY SERVICE MAY 27 1988
6. Signature - Agent X	
7. Date of Delivery 5/25/88	

PS Form 3811, Feb. 1986 DOMESTIC RETURN RECEIPT

P 274 010 465

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

\* U.S.G.P.O. 1985-480-794

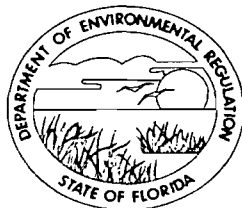
Arlen R. Horton, Pres/Founder	
Pensacola Christian College	
Lawson Lane	
P.O., State and ZIP Code	
Pensacola, FL 32503	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
Mailed: 01-25-88	
Permit: AC 17-139470	
Federal: PSD-FL-128	

PS Form 3800, June 1985

*file*

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB MARTINEZ  
GOVERNOR  
DALE TWACHTMANN  
SECRETARY

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT

Mr. Arlen R. Horton, President/Founder  
Pensacola Christian College, Inc.  
Rawson Lane  
Pensacola, Florida 32503

January 25, 1988

Enclosed is permit No. AC 17-139470, PSD-FL-128, for Pensacola Christian College, Inc., to construct the Number 3, 1.1 MW natural gas-fired diesel engine with chiller-heater at their existing location in Pensacola, Escambia County, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

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

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

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

Copy furnished to:

- E. Middleswart, NW Dist.
- J. Levey, P.E.
- T. Ott, Stone & Webster Engineering Corp.

Final Determination

Pensacola Christian College  
Pensacola, Escambia County, Florida

Gas-Fired Internal Combustion Engine  
Unit No. 3

Permit No. AC 17-139470  
PSD-FL-128

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

January 12, 1988

## Final Determination

Pensacola Christian College's application to construct the No. 3 1.1 MW natural gas-fired diesel engine with chiller-heater at their existing facility in Pensacola, Escambia County, Florida, has been reviewed by the Department. Public Notice of the Department's Intent to Issue the permit was published in the Pensacola News Journal on December 25, 1987.

A comment was received from the applicant in response to the Public Notice stating that the institution is a College and not a School. The Department will incorporate the change into the final permit.

Another comment was received from Bill Thomas, in the Bureau of Air Quality Management, to the effect that although this project is exempt from New Source Review Requirements in accordance with Prevention of Significant Deterioration (PSD), Rule 17-2.500, Florida Administrative Code, the source is not exempt from all of the provisions of the PSD rule and therefore should be issued a PSD permit. This change will also be incorporated into the final permit. It should be noted, however, that there will be no change in the scope or content of the technical evaluation as a result of this change.

The Department will also amend Specific Condition No. 3 to clarify it.

From:

The maximum allowable emissions shall not exceed:

- a) NOx (nitrogen oxide) - 34 lbs/hr  
145 TPY (tons per year)
- b) CO (carbon monoxide) - 34 lbs/hr  
145 TPY
- c) Visible Emissions - 20% opacity

The emissions of particulate matter (PM), sulfur dioxide (SO<sub>2</sub>), and volatile organic compounds (VOC) shall be controlled (minimized) by good combustion practices.

To:

3. The maximum allowable emissions, in line with vendor data and under normal operation, shall not exceed:

- a) NOx (nitrogen oxide) - 34 lbs/hr  
145 TPY (tons per year)



b) CO (carbon monoxide) - 34 lbs/hr  
145 TPY

c) Visible Emissions 20% opacity

The emissions of particulate matter (PM), sulfur dioxide (SO<sub>2</sub>), and volatile organic compounds (VOC) shall be controlled (minimized) by good combustion practices.

The final action of the Department will be to issue the permit as proposed in the preliminary determination with the above mentioned changes.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB MARTINEZ  
GOVERNOR  
DALE TWACHTMANN  
SECRETARY

PERMITTEE:  
Pensacola Christian College  
Rawson Lane  
Pensacola, Florida 32503

Permit Number: AC 17-139470  
Expiration Date: December 1, 1988  
County: Escambia  
Latitude/Longitude: 30° 28' 22"N  
87° 14' 02"W  
Project: Gas-Fired Internal  
Combustion Engine No. 3

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

For the construction of No. 3 gas-fired 1.1 MW internal combustion engine generating 468 tons of chilled water and 350 gpm of hot water at Pensacola College's cogeneration site in Escambia County, Florida.

Construction will be in accordance with the permit application and plans, documents, and reference materials submitted, unless otherwise stated in the General and Specific Conditions herein.

This permit's PSD number is PSD-FL-128.

Attachment

1. Application package from Pensacola Christian College dated August 24, 1987.
2. Letter from Pensacola Christian College dated December 18, 1987.

PERMITTEE:  
Pensacola Christian College

Permit Number: AC 17-139470  
Expiration Date: December 1, 1988

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

PERMITTEE:  
Pensacola Christian College

Permit Number: AC 17-139470  
Expiration Date: December 1, 1988

**GENERAL CONDITIONS:**

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

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

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

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

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

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

PERMITTEE:  
Pensacola Christian College

Permit Number: AC 17-139470  
Expiration Date: December 1, 1988

**GENERAL CONDITIONS:**

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

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

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Compliance with New Source Performance Standards.

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

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

PERMITTEE:  
Pensacola Christian College

Permit Number: AC 17-139470  
Expiration Date: December 1, 1988

**GENERAL CONDITIONS:**

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

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

**SPECIFIC CONDITIONS:**

1. The engine's operating hours shall not exceed 8500/hrs/yr.
2. The engine shall fire only natural gas with the total heat input not to exceed 14.9 MMBtu/hr.

PERMITTEE:  
Pensacola Christian College

Permit Number: AC 17-139470  
Expiration Date: December 1, 1988

**SPECIFIC CONDITIONS:**

3. The maximum allowable emissions, in line with vendor data and under normal operation, shall not exceed:

- a) NOx (nitrogen oxide) - 34 lbs/hr  
145 TPY (tons per year)
- b) CO (carbon monoxide) - 34 lbs/hr  
145 TPY
- c) Visible Emissions 20% opacity

The emissions of particulate matter (PM), sulfur dioxide (SO<sub>2</sub>), and volatile organic compounds (VOC) shall be controlled (minimized) by good combustion practices.

4. Initial and annual compliance tests will be conducted as follows:

- a) EPA Method 9 for visible emissions

5. Initial tests only, shall be required for NOx and CO:

- a) EPA Method 7E for NOx
- b) EPA Method 10 for CO

Note: Other DER approved methods may be used in place of the above mentioned ones only after prior approval from the Department.

6. DER's district office shall be notified in writing 15 days prior to source testing. Written reports of the tests shall be submitted to the district office with 45 days of test completion.

The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, the Department must be notified in writing 60 days prior to the expiration of the construction permit and submit a new schedule and request for an extension of the construction permit, (Rule 17-2, FAC).

To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including

PERMITTEE:  
Pensacola Christian College

Permit Number: AC 17-139470  
Expiration Date: December 1, 1988

the application fee, along with compliance test results and Certificate of Completion, to the Department's District office 90 days prior to the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate, (Rules 17-2 and 17-4, FAC).

If the construction permit expires prior to the permittee requesting an extension or obtaining a permit to operate, then all activities at the project must cease and the permittee must apply for a new permit to construct which can take up to 90 days to process a complete application, (Rule 17-4, FAC).

7. Any change in the method of operation, fuels, equipment or operating hours shall be submitted for approval to DER's District office.

Issued this 21 day of Jan, 19 88

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
Dale Twachtman, Secretary





# Interoffice Memorandum

TO: Dale Twachtmann  
THRU: Howard Rhodes *HR*  
FROM: Clair Fancy *CF*  
DATE: January 20, 1988  
SUBJ: Approval of Pensacola Christian College  
State Construction Permit Number: AC 17-139470  
Federal Permit Number: PSD-FL-128

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

DER

JAN 22

BAQM

Attached for your approval and signature is a permit for the above mentioned company to construct the Number 3 1.1 MW natural gas-fired diesel engine with chiller-heater at their existing location in Pensacola, Escambia County, Florida. No comments were received during the public notice period.

Day 90 after which these permits will be issued by default is February 4, 1988.

The Bureau recommends approval and signature.

CHF/MJ/s

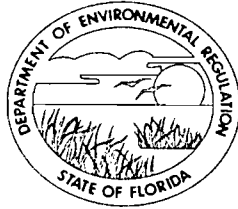
attachments



*JL*

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB MARTINEZ  
GOVERNOR  
DALE TWACHTMANN  
SECRETARY

January 12, 1988

Mr. Wayne Aronson, Chief  
Program Support Section  
U.S. EPA, Region IV  
345 Courtland Street, N.E.  
Atlanta, Georgia 30360

Dear Mr. Aronson:

RE: Technical Evaluation & Preliminary Determination  
Pensacola Christian College  
Air Construction Permit: AC 17-139470  
Federal Permit Number: PSD-FL-128

Enclosed for your review and comment is the permit application, Technical Evaluation/Preliminary Determination and draft permit for the above referenced facility. We are also attaching a copy of the Public Notice which appeared in the December 25, 1987 edition of the Pensacola News Journal. If you have any comments or questions, please contact Pradeep Raval at the above address or at (904)488-1344.

Sincerely,

*M.V. Janes*

Margaret V. Janes  
Bureau of Air Quality  
Management

/mj

enclosure



**PENSACOLA  
CHRISTIAN  
COLLEGE**

PENSACOLA, FLORIDA 32523-9160 [904] 478-8496

December 30, 1987

DER  
DEC 31 1987  
BAQM

Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Rd.  
Tallahassee, Florida

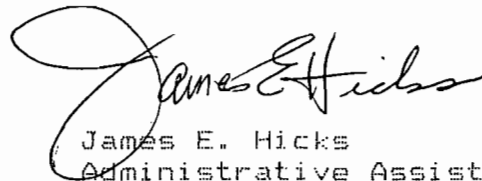
Attention Maggie James

Gentlemen:

Enclosed is the original copy of the "Proof of Publication" required by Section 403.815, F.S., and FAC Rule 17-103.150. The Notice of Intent was published on December 25, 1987, in the Pensacola News Journal, a major local newspaper with general circulation in Escambia County.

Thank you for your assistance in this matter. Please forward the permit as soon as you can after the required 14 day comment period.

Sincerely Yours,

  
James E. Hicks  
Administrative Assistant

Enclosure

Copies: E. Middlecott, U.E. Dist+  
CHFBT  
Pradep Raval

} 1.4.88 (m)



**PENSACOLA  
CHRISTIAN  
COLLEGE**

PENSACOLA, FLORIDA 32523-9160

Attention Maggie James

Department of Environmental Regulation  
Twin Tower Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32301

DER  
DEC 31 1987  
BAQM

Judicial Express  
12.30.87

Airbill # 3070093762

File Copy

DER

DEC 31 1987

BAQM

# News Journal

PUBLISHED DAILY  
PENSACOLA, ESCAMBIA COUNTY, FLORIDA

State of Florida,  
County of Escambia.

Before the undersigned authority personally appeared

J. Diane Deal

who on oath says that she is Legal Advertising Supervisor of the Pensacola News Journal, a daily newspaper published at Pensacola in Escambia County, Florida; with general circulation in Escambia, Santa Rosa, Okaloosa and Walton Counties that the attached copy of advertisement, being a NOTICE in the matter of

DER Notice

\_\_\_\_\_ in the \_\_\_\_\_ Court,

was published in said newspaper in the issues of \_\_\_\_\_

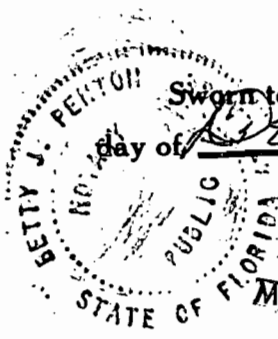
Dec. 25, 1988

Affiant further say that the said The Pensacola News Journal is a newspaper published at Pensacola, in said Escambia County, Florida, and that the said newspaper has heretofore been continuously published in said Escambia County, Florida, each day and has been entered as second class mail matter at the post office in Pensacola, in said Escambia County, Florida, for a period of one year next preceding the first 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.

J. Diane Deal

Sworn to and subscribed before me this 30<sup>th</sup> day of Dec, A.D., 19 87

Betty J. Penton  
NOTARY PUBLIC.



State of Florida  
Department of  
Environmental  
Regulation  
Notice of  
Intent

BY er-ter the bia ant lat- of ich ed ent ess gh- er- ess ed of aid be- may ent est 10% 387 ven in- the bia ant ida bus een l in- rin- is ory ons ged of aid be- ent est 10% er- ter the (s) as by a- er fr. P. on- st- th- 100 with- iting pply of ) of Rng inty, at: 9. may lica- ten the ing re- (s) m- st- ge- ox da

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Pensacola Christian School for the Construction of a 1.1 MW natural gas fired internal combustion engine and chiller-heater at their existing facility located in 70. Pensacola, Escambia County, Florida.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code and must be filed (received) in the Department's of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida, 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action.

Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one had been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

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

Dept of Environmental Regulation  
Bureau of Air Quality Management  
2600 Blair S, one Road  
Tallahassee, Florida  
32399-2400

Dept. of Environmental Regulation  
Northwest District  
160 Governmental Center  
Pensacola, Florida  
32501-5794

AD  
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OF  
2  
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3  
C

**FEDERAL EXPRESS**

QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL NUMBER  
**3070093762**

DATE  
30 Dec 87

DER

DEC 31 1987

AIRBILL NUMBER  
**3070093762**

From (Your Name) <b>Jim Hicks</b>		Your Phone Number (Very Important) <b>904 478 8480</b>		To (Recipient's Name) <b>BAGM James</b>		Recipient's Phone Number (Very Important) ( )	
Company <b>A Boks Book</b>		Department/Floor No. <b>PCC</b>		Company <b>Dept - Environmental Reg. Twin Towers</b>		Department/Floor No.	
Street Address <b>118 ST John ST</b>				Exact Street Address (Use of P.O. Boxes or P.O. Zip Codes Will Delay Delivery And Result in Extra Charge.) <b>2600 Blair Stone Road</b>			
City <b>Pensacola</b>		State <b>FL</b>		City <b>Tallahassee</b>		State <b>FL</b>	
		ZIP Required For Correct Invoicing <b>32503</b>		ZIP Street Address Zip Required <b>32301</b>			

YOUR BILLING REFERENCE INFORMATION (FIRST 24 CHARACTERS WILL APPEAR ON INVOICE.)

HOLD FOR PICK-UP AT THIS FEDERAL EXPRESS LOCATION:  
Street Address (See Service Guide or Call 800-238-5355)

PAYMENT  Bill Sender  Bill Recipient's FedEx Acct. No.  Bill 3rd Party FedEx Acct. No.  Bill Credit Card  
 Cash

City State

4 SERVICES CHECK ONLY ONE BOX

DELIVERY AND SPECIAL HANDLING CHECK SERVICES REQUIRED

PACKAGES WEIGHT YOUR DECLARED VALUE DIMENSIONS

ZIP Zip Code of Street Address Required

1 <input type="checkbox"/> <b>PRIORITY 1</b> Overnight Delivery Using Your Packaging	6 <input checked="" type="checkbox"/> <b>OVERNIGHT LETTER*</b> Using Your Packaging 9 1/2" x 12 1/2"	1 <input type="checkbox"/> <b>HOLD FOR PICK-UP</b> (Fill in Section 4 at right)			
2 <input type="checkbox"/> <b>Courier-Pak Overnight Envelope*</b> 12" x 15 1/2"	3 <input type="checkbox"/> <b>Overnight Box</b> A <input type="checkbox"/> 12 1/2" x 17 1/2" x 3"	2 <input checked="" type="checkbox"/> <b>DELIVER WEEKDAY</b>			
4 <input type="checkbox"/> <b>Overnight Tube</b> B <input type="checkbox"/> 38" x 6" x 6"	4 <input type="checkbox"/> <b>DANGEROUS GOODS</b> (P-1 and Standard Air Packages only. Extra charge)	3 <input type="checkbox"/> <b>DELIVER SATURDAY</b> (Extra charge)			
5 <input type="checkbox"/> <b>STANDARD AIR</b> Delivery not later than second business day	5 <input type="checkbox"/> <b>CONSTANT SURVEILLANCE SERVICE (CSS)</b> (Extra charge) (Do Not Complete Section 5)	4 <input type="checkbox"/> <b>OTHER SPECIAL SERVICE</b>			
	6 <input type="checkbox"/> <b>DRY ICE</b> _____ Lbs.	7 <input type="checkbox"/> <b>SATURDAY FRI-UP</b> (Extra charge)			
	8 <input type="checkbox"/> <b>OTHER SPECIAL SERVICE</b>	9 <input type="checkbox"/> <b>OTHER SPECIAL SERVICE</b>			
	9 <input type="checkbox"/> <b>OTHER SPECIAL SERVICE</b>	10 <input type="checkbox"/> <b>OTHER SPECIAL SERVICE</b>			

Total	Total	Total
1	N/A	
Received At		
1 <input type="checkbox"/> Regular Stop		
2 <input checked="" type="checkbox"/> On-Cell Stop		
3 <input type="checkbox"/> Drop Box		
4 <input type="checkbox"/> B.S.C.		
5 <input checked="" type="checkbox"/> Station		
Federal Express Corp. Employee No.		
7-610		

Emp. No. Date

Cash Received  
 Return Shipment  
 Third Party  Chg. To Del.  Chg. To Hold

Street Address

City State Zip

Received By: **X**

Date/Time Received FedEx Employee Number

5 Sender authorizes Federal Express to deliver this shipment without obtaining a delivery signature and shall indemnify and hold harmless Federal Express from any claims resulting therefrom.  
Release Signature:

PART  
#2041738900  
FFC-S-700-25  
© 1987 FEDERAL EXPRESS U.S.A. NO. 11

Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department of Tallahassee address. All comments should be mailed within 14 days of the publication of this notice will be considered in the Department's final decision.  
LEGAL NO. 33758 IT  
DEC. 29, 1987

1.488

Finaly!  
(2)

PM

file copy

18 Dec. 1987  
Pensacola, FL



Executive Offices

**PENSACOLA  
CHRISTIAN  
COLLEGE**

BOX 18000, PENSACOLA, FLORIDA 32523-9160 (904) 478-8480

December 18, 1987

**DER**

**DEC 21 1987**

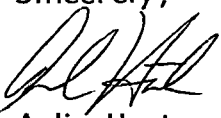
**BAQM**

Department of Environmental Regulations  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Attention Maggie James

Gentlemen:


Please be advised that the official name of our organization was changed from Pensacola Christian School, Inc., to Pensacola Christian College, Inc., on April 10, 1984.

Sincerely,  
  
Arlin Horton  
Vice Chairman

  
Rebekah Horton  
Secretary

AH:jh

Sworn to and subscribed before me this 18th day of December, A.D. 1987.

  
Notary Public, State of Florida

My commission expires 7/18/91.

Copied: CHF/BT  
Pradeep Raval  
Betsy Pittman, esq. } 12-22-87 (mg)



**PENSACOLA  
CHRISTIAN  
COLLEGE**

BOX 18000  
PENSACOLA, FLORIDA 32523-9160

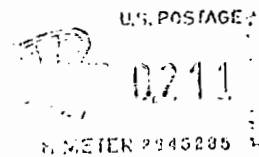
Attention Magpie James

Executive Offices

12-22-87  
~~CHI~~  
~~BI~~ > FBI  
④

Department of Environmental Regulations  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

ZIP + 4





# State of Florida



Department of State

I certify that the attached is a true and correct copy of Certificate of Amendment to the Articles of Incorporation for PENSACOLA CHRISTIAN SCHOOL, INC., changing its name to PENSACOLA CHRISTIAN COLLEGE, INC., a Florida corporation, filed on April 9, 1984, as shown by the records of this office.

The charter number of this corporation is 700640.

Given under my hand and the  
Great Seal of the State of Florida,  
at Tallahassee, the Capital, this the  
10th day of April, 1984.



George Firestone  
Secretary of State

CER-101

PM  
14 Dec. 1987  
Pensacola, FL

file copy



Executive Offices

**PENSACOLA  
CHRISTIAN  
COLLEGE**

BOX 18000, PENSACOLA, FLORIDA 32523-9160 (904) 478-8480

December 14, 1987

Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Attention Mr. Fancy

Gentlemen:

Enclosed is the original copy of the "Proof of Publication" required by Section 403.815, F.S., and FAC Rule 17-103.150. The Notice of Intent was published on December 3, 1987, in the Pensacola News Journal, a major local newspaper with general circulation in Escambia County.

Thank you for your assistance in this matter. Please forward the permit to my attention.

Sincerely yours,

Arlin Horton  
President/Founder

AH:lmb

Enclosure

Jim Hicks  
Mrs. Petty left message with her at 3:00 pm on 12-23-87

DER

DEC 15 1987

BAQM

Maggie,  
See me on )  
↓

Jim Wickes <sup>12-27-77</sup>  
<sub>2:00</sub>  
(904) 428-8480

Bill Thomas -  
Maggie Jones  
Pensacola Christian School  
3X on PM? Ben  
Mandy  
Ben

# News Journal

PUBLISHED DAILY  
PENSACOLA, ESCAMBIA COUNTY, FLORIDA

State of Florida,  
County of Escambia.

Before the undersigned authority personally appeared

J. Diane Deal

who on oath says that she is Legal Advertising Supervisor of the Pensacola News Journal, a daily newspaper published at Pensacola in Escambia County, Florida; with general circulation in Escambia, Santa Rosa, Okaloosa and Walton Counties that the attached copy of advertisement, being a NOTICE in the matter of

Entert

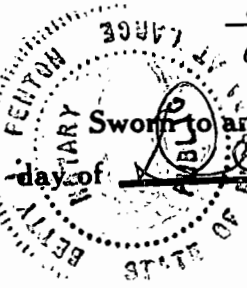
\_\_\_\_\_ in the \_\_\_\_\_ Court,

was published in said newspaper in the issues of \_\_\_\_\_

Dec. 13, 1987

Affiant further say that the said The Pensacola News Journal is a newspaper published at Pensacola, in said Escambia County, Florida, and that the said newspaper has heretofore been continuously published in said Escambia County, Florida, each day and has been entered as second class mail matter at the post office in Pensacola, in said Escambia County, Florida, for a period of one year next preceding the first 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.

J. Diane Deal



Sworn to and subscribed before me this 14<sup>th</sup> day of Dec, A.D., 19 87

Betty J. Fenton

NOTARY PUBLIC.

My Commission Expires October 26, 1991

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Pensacola Christian School for the construction of a 1.1 MW natural gas fired internal combustion engine and chiller-heater at their existing facility located in Pensacola, Escambia County, Florida.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, General Counsel, 2600 Blair Stone Road, Twin Towers Office, days of publication of this notice. Failure to file a petition within this time period an administrative determination (hearing) under Section 120.57, Florida Statutes.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one had been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

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

Dept of Environmental Regulation  
Bureau of Air Quality Management  
2600 Blair Stone Road  
Tallahassee, Florida  
32399-2400

Dept. of Environmental Regulation  
Northwest District  
160 Governmental Center  
Pensacola, Florida  
32501-5794

Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address. All comments mailed within 14 days of

the publication of this notice will be considered in the Department's final determination.

LEGAL NO. 33758 1T  
DEC. 13, 1987

STATEMENT

# PENSACOLA News Journal

One News Journal Plaza  
Pensacola, Florida 32501

PENSACOLA, FLA.

12/14 87

999-488 8163

PJC (DER) 85.25

Legal # 33758

9104-435-8500 - News Journal

2:55 spoke w/ Dianne Dial and told her that the ad ran incorrectly and it had to be rerun at <sup>her</sup> ~~their~~ expense. Will appear in the Dec. 25 <sup>edition</sup>.

Republian

LEGAL ADVERTISING  
PAYMENT DUE UPON RECEIPT  
OF THIS NOTICE. INCLUDE THIS  
COPY WITH PAYMENT



PS Form 3811, July 1983 447-845

DOMESTIC RETURN RECEIPT

**SENDER: Complete items 1, 2, 3 and 4.**  
 Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1.  Show to whom, date and address of delivery.  
 2.  Restricted Delivery.

3. Article Addressed to: Arlen R. Horton  
 President/Founder  
 Pensacola Christian School, Inc.  
 Rawson Lane  
 Pensacola, FL 32503

4. Type of Service: Article Number  
 Registered  Insured  
 Certified  COD P 274 007 638  
 Express Mail

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee  
 X

6. Signature - Agent  
 X *James Ozole*

7. Date of Delivery  
 12-10-87

8. Addressee's Address (ONLY if requested and fee paid)

P 274 007 638

**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

PS Form 3800, June 1985

\* U.S.G.P.O. 1985-480-794

Send to: Mr. Arlen R. Horton, Pres.  
~~Pensacola Christian School~~  
 Street and No. Rawson Lane

P.O., State and ZIP Code  
 Pensacola, FL 32503

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$

Postmark or Date  
 Mailed: 12/9/87  
 Permit: AC 17-139470

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB MARTINEZ  
GOVERNOR

DALE TWACHTMANN  
SECRETARY

December 9, 1987

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Arlen R. Horton, President/Founder  
Pensacola Christian School  
Rawson Lane  
Pensacola, Florida 32503

Dear Mr. Horton:

Attached is the revised copy of the Notice of Intent that I mentioned during our conversation today. The Department mailed the corrected Notice of Intent to the Pensacola News Journal on December 9, 1987, and should appear in the paper within the next three to four days. Please resubmit to us a copy of the Notice of Intent from the paper and a signed affidavit.

If you have any questions concerning the Department's proposed action, please contact Mr. Bill Thomas of the Bureau of Air Quality Management.

Sincerely,

M. V. Janes  
Planner  
Bureau of Air Quality  
Management

CHF/bm

Attachments

cc: E. Middleswart, NW Dist.  
J. Levey, P.E.  
T. Ott, Stone & Webster Engineering Corp.  
B. Pittman, Esq.

State of Florida  
Department of Environmental Regulation  
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Pensacola Christian School for the construction of a 1.1 MW natural gas fired internal combustion engine and chiller-heater at their existing facility located in Pensacola, Escambia County, Florida.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009, Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.



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

Dept. of Environmental Regulation  
Bureau of Air Quality Management  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Dept. of Environmental Regulation  
Northwest District  
160 Governmental Center  
Pensacola, Florida 32501-5794

Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of  
Application for Permit by:

Pensacola Christian School  
Rawson Lane  
Pensacola, Florida 32503

DER File No. AC 17-139470

---

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit (copy attached) to Pensacola Christian School for the construction of a 1.1 MW natural gas fired internal combustion engine and chiller-heater at their existing facility located in Pensacola, Escambia County, Florida. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

The applicant, Pensacola Christian School, applied on September 17, 1987, to the Department of Environmental Regulation for a construction permit.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (FAC) Rules 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that an air construction permit was needed for the proposed work.

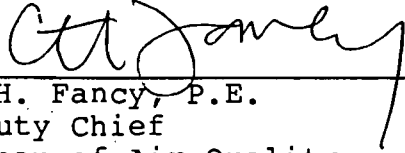
Pursuant to Section 403.815, F.S., and FAC Rule 17-103.150, you (the applicant) are required to publish at your own expense the enclosed Notice of Proposed Agency Action on permit application. The notice must be published one time only in a section of a major local newspaper of general circulation in the county in which the project is located and within thirty (30) days from receipt of this intent. Proof of publication must be provided to the Department within seven days of publication of

the notice. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

The Department will issue the permit with the attached conditions unless petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S. A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, F.S. Petitions must comply with the requirement of FAC Rules 17-103.155 and 28-5.201 (copies enclosed) and be filed with (received by) the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant must be filed within fourteen (14) days of receipt of this intent. Petitions filed by other persons must be filed within fourteen (14) days of publication of the public notice or within fourteen (14) days of receipt of this intent, whichever first occurs. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S., concerning the subject permit application. Petitions which are not filed in accordance with the above provisions will be dismissed.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

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

Copies furnished to:

E. Middleswart, NW Dist.  
J. Levey, P.E.  
T. Ott, Stone & Webster Engineering Corp.



Executive Offices

**PENSACOLA  
CHRISTIAN  
COLLEGE**

BOX 18000, PENSACOLA, FLORIDA 32523-9160 (904) 478-8480

December 3, 1987

Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Attention Mr. Fancy

Gentlemen:

Enclosed is the original copy of the "Proof of Publication" required by Section 403.815, F.S., and FAC Rule 17-103.150. The Notice of Intent was published on December 3, 1987, in the Pensacola News Journal, a major local newspaper with general circulation in Escambia County.

Thank you for your assistance in this matter. Please forward the permit to my attention.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Arlin Horton".

Arlin Horton  
President/Founder

AH:lmb

Enclosure

cc: Mr. Tom Ott  
Stone and Webster Engineering Company

*Copied: Pradup Raval*

DER  
DEC 7 1987  
BAQM

PM  
3 Dec. 1987  
Pensacola, FL

File Copy

CM P-595 526-575

# News Journal

PUBLISHED DAILY  
PENSACOLA, ESCAMBIA COUNTY, FLORIDA

State of Florida,  
County of Escambia.

DER

DEC 07 1987

BAQM

Before the undersigned authority personally appeared

J. Diane Deal

who on oath says that she is Legal Advertising Supervisor of the Pensacola News Journal, a daily newspaper published at Pensacola in Escambia County, Florida; with general circulation in Escambia, Santa Rosa, Okaloosa and Walton Counties that the attached copy of advertisement, being a NOTICE in the matter of

*[Signature]*

in the \_\_\_\_\_ Court,

was published in said newspaper in the issues of

*Dec. 3, 1987*

Affiant further say that the said The Pensacola News Journal is a newspaper published at Pensacola, in said Escambia County, Florida, and that the said newspaper has heretofore been continuously published in said Escambia County, Florida, each day and has been entered as second class mail matter at the post office in Pensacola, in said Escambia County, Florida, for a period of one year next preceding the first 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.

*J. Diane Deal*

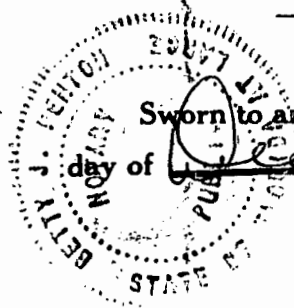
Sworn to and subscribed before me this

*3rd*

day of *Dec.* A.D., 19*87*

*[Signature]*  
NOTARY PUBLIC.

My Commission Expires October 28, 1991



State of Florida  
Department of  
Environmental  
Regulation  
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to construct a 1.1 MW natural gas fired internal combustion engine an chiller-heater at their existing facility located in Pensacola, Escambia County, Florida. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009, Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

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

Dept. of Environmental  
Regulation  
Bureau of Air Quality  
Management  
2600 Blair Stone Road  
Tallahassee, Florida  
32399-2400

LEGAL NO. 33719 1T  
DEC. 3, 1987

Dept. of Environmental  
Regulation  
Northwest District  
160 Governmental Center  
Pensacola, Florida 32501-  
5794

Any person may send  
written comments on the  
proposed action to Mr. Bill  
Thomas at the Depart-  
ment's Tallahassee ad-  
dress. All comments  
mailed within 14 days of  
the publication of this no-  
tice will be considered in  
the Department's final de-  
termination.



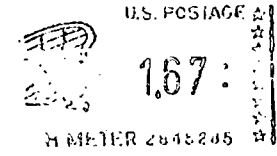
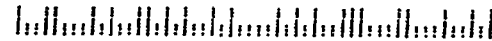
**PENSACOLA  
CHRISTIAN  
COLLEGE**

BOX 18000  
PENSACOLA, FLORIDA 32523-9160

Attention Mr. Fancy

Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Executive Offices



PS Form 3811, July 1983 447-845

**SENDER: Complete items 1, 2, 3 and 4.**

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1.  Show to whom, date and address of delivery.

2.  Restricted Delivery.

3. Article Addressed to: Mr. Arlen R. Horton  
President and Founder  
Pensacola Christian School  
Rawson Lane  
Pensacola, FL 32503

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	P 274 007 649

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee  
X

6. Signature - Agent  
X *Joanne Conley*

7. Date of Delivery  
*11-24-87*

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

P 274 007 649

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Arlen R. Horton, Pres.  
Pensacola Christian School

Street and No.  
Rawson Lane

P.O., State and ZIP Code  
Pensacola, FL 32503

Postage	5
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	5

Postmark or Date  
Mailed: 11/23/87  
Permit: AC 17-139470

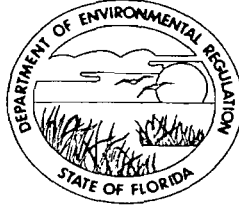
\* U.S.G.P.O. 1985-467-784

PS Form 3800, June 1985

File Copy

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB MARTINEZ  
GOVERNOR  
DALE TWACHTMANN  
SECRETARY

November 23, 1987

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Arlen R. Horton, President/Founder  
Pensacola Christian School  
Rawson Lane  
Pensacola, Florida 32503

Dear Mr. Horton:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit to construct a 1.1 MW natural gas fired internal combustion engine and chiller-heater at their existing facility located in Pensacola, Escambia County, Florida.

Please submit, in writing, any comments which you wish to have considered concerning the Department's proposed action to Mr. Bill Thomas of the Bureau of Air Quality Management.

Sincerely,

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

CHF/bm

Attachments

cc: E. Middleswart, NW Dist.  
J. Levey, P.E.  
T. Ott, Stone & Webster Engineering Corp.



State of Florida  
Department of Environmental Regulation  
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to construct a 1.1 MW natural gas fired internal combustion engine and chiller-heater at their existing facility located in Pensacola, Escambia County, Florida. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

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Dept. of Environmental Regulation  
Bureau of Air Quality Management  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Dept. of Environmental Regulation  
Northwest District  
160 Governmental Center  
Pensacola, Florida 32501-5794

Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.

RULES OF THE ADMINISTRATIVE COMMISSION  
MODEL RULES OF PROCEDURE  
CHAPTER 28-5  
DECISIONS DETERMINING SUBSTANTIAL INTERESTS

28-5.15 Requests for Formal and Informal Proceedings

- (1) Requests for proceedings shall be made by petition to the agency involved. Each petition shall be printed, typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double spaced and indented.
- (2) All petitions filed under these rules should contain:
  - (a) The name and address of each agency affected and each agency's file or identification number, if known;
  - (b) The name and address of the petitioner or petitioners;
  - (c) All disputed issues of material fact. If there are none, the petition must so indicate;
  - (d) A concise statement of the ultimate facts alleged, and the rules, regulations and constitutional provisions which entitle the petitioner to relief;
  - (e) A statement summarizing any informal action taken to resolve the issues, and the results of that action;
  - (f) A demand for the relief to which the petitioner deems himself entitled; and
  - (g) Such other information which the petitioner contends is material.

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of  
Application for Permit by:

Pensacola Christian School  
Rawson Lane  
Pensacola, Florida 32503

DER File No. AC 17-139470

---

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit (copy attached) to construct a 1.1 MW natural gas fired internal combustion engine and chiller-heater at their existing facility located in Escambia County, Florida. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

The applicant, Pensacola Christian School, applied on September 17, 1987, to the Department of Environmental Regulation for a construction permit.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (FAC) Rules 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that an air construction permit was needed for the proposed work.

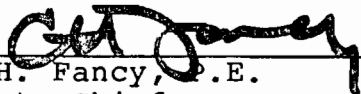
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Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

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

Copies furnished to:

E. Middleswart, NW Dist.  
J. Levey, P.E.  
T. Ott, Stone & Webster Engineering Corp.

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on 11-23-87.

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

Martha D. Wise  
Clerk

11-23-87  
Date

Technical Evaluation  
and  
Preliminary Determination

Pensacola Christian School  
Pensacola, Escambia County, Florida

Gas-Fired Internal Combustion Engine

Permit No. AC 17-139470

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

November 20, 1987

## I. Application

### A. Applicant

Pensacola Christian School, Inc.  
Rawson Lane  
Pensacola, Florida 32503

### B. Project and Location

The applicant proposes to construct a 1.1 MW natural gas-fired internal combustion engine and chiller-heater at their existing facility located in Escambia County, Florida.

The UTM coordinates of the facility are Zone 16, 477.5 km East and 3371 km North.

## II. Project Review

The gas-fired internal combustion engine in conjunction with chiller-heaters will add to the already permitted (two) engines at the applicant's cogeneration facility. Approximately 17,000 cu. ft. of gas will be fired to generate up to 1.1 MW of electricity, 468 tons of chilled water and 350 gallons per minute of hot water.

Emission estimates based on vendor information for the Waukesha FZ042GSI engine, indicate nitrogen oxides (NO<sub>x</sub>) and carbon monoxide (CO) emissions at about 34 lbs/hr, 145 tons per year (TPY) each. No controls have been submitted for the pollutants, nor are controls deemed necessary for this project.

The school's facility in Pensacola is classified in accordance with the Standard Industrial Classification (SIC) Code as Major Group 82, Educational Services; Group No. 822, Professional Schools; Industry No. 8221 Professional Schools.

The facility is considered major in accordance with Chapter 17-2 of the Florida Administrative Code as potential emissions exceed 250 TPY.

Pensacola Christian applied for a construction permit for the proposed project on August 24, 1987. The application was deemed complete on September 17, 1987.

## III. Rule Applicability

The proposed project is subject to a preconstruction review in accordance with Chapter 403, of the Florida Statutes and Chapters 17-2 and 17-4 of the Florida Administrative Code (FAC).



The proposed project will be located in Escambia County, an area designated as unclassifiable for particulate matter (PM), but attainment for NOx, CO, sulfur dioxide (SO<sub>2</sub>), and volatile organic compounds (VOCs), in accordance with Rules 17-2.420 and 17-2.430, FAC.

The proposed project will be a major modification to a major facility since the emission increases will be greater than significant (Table 500-2, FAC) in accordance with Rule 17-2.500(2)(d)2.c.4, FAC.

However, the proposed project will not be subject to a Prevention of Significant Deterioration (PSD) Review because of the exemption for non-profit educational institutions in accordance with Rule 17-2.500(2)(a), FAC.

The proposed project will be subject to the General Particulate Emission Limiting Standards in accordance with Rule 17-2.610(2), FAC, General Visible Emission Standard of 20% opacity.

The proposed project will also be subject to the General Pollutant Emission Limiting Standard in accordance with Rule 17-2.620(2), FAC, prohibiting objectionable odors.

Initial and annual compliance tests shall be conducted in accordance with Rule 17-2.700, FAC, using EPA Method 9, Visual Determination of the Opacity of Emission from Stationary Sources.

Initial compliance tests for NOx and CO will be conducted using EPA Method 7E and EPA Method 10 respectively, in accordance with Rule 17-2.700, FAC.

#### IV. Emission Limitations

The facility's operating hours will not exceed 8500 hrs/yr. Emissions will be limited to visible emissions at 20% opacity. Emission estimates based on vendor information for the engine are tabulated below:

<u>Pollutant</u>	<u>lb/hr</u>	<u>TPY</u>
NOx (@ 10gm/bhp-hr)	34	145
CO (@ 10gm/bhp-hr)	34	145
VOC	7	30

#### V. Conclusion

Based on the information provided by the applicant the Department has reasonable assurance that the construction of an

additional gas-fired engine with chiller-heaters at the Pensacola School site, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of an ambient air quality standard or PSD increment, or any other provision of Chapter 17-2, FAC.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB MARTINEZ  
GOVERNOR  
DALE TWACHTMANN  
SECRETARY

PERMITTEE:  
Pensacola Christian School  
Rawson Lane  
Pensacola, Florida 32503

Permit Number: AC 17-139470  
Expiration Date: December 1, 1988  
County: Escambia  
Latitude/Longitude: 30° 28' 22"N  
87° 14' 02"W  
Project: Gas-Fired Internal  
Combustion Engine

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

For the construction of one gas-fired 1.1 MW internal combustion engine generating 468 tons of chilled water and 350 gpm of hot water at Pensacola School's cogeneration site in Escambia County, Florida.

Construction will be in accordance with the permit application and plans, documents, and reference materials submitted, unless otherwise stated in the General and Specific Conditions herein.

Attachment

1. Application package from Pensacola Christian School dated August 24, 1987.

PERMITTEE:  
Pensacola Christian School

Permit Number: AC 17-139470  
Expiration Date: December 1, 1988

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

PERMITTEE:  
Pensacola Christian School

Permit Number: AC 17-139470  
Expiration Date: December 1, 1988

**GENERAL CONDITIONS:**

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

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

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

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

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

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

PERMITTEE:  
Pensacola Christian School

Permit Number: AC 17-139470  
Expiration Date: December 1, 1988

**GENERAL CONDITIONS:**

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

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

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BACT)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Compliance with New Source Performance Standards.

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

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

PERMITTEE:  
Pensacola Christian School

Permit Number: AC 17-139470  
Expiration Date: December 1, 1988

**GENERAL CONDITIONS:**

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

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

**SPECIFIC CONDITIONS:**

1. The engine's operating hours shall not exceed 8500/hrs/yr.
2. The engine shall fire only natural gas with the total heat input not to exceed 14.9 MMBtu/hr.

PERMITTEE:  
Pensacola Christian School

Permit Number: AC 17-139470  
Expiration Date: December 1, 1988

**SPECIFIC CONDITIONS:**

3. The maximum allowable emissions shall not exceed:

- a) NOx (nitrogen oxide) - 34 lbs/hr  
145 TPY (tons per year)
- b) CO (carbon monoxide) - 34 lbs/hr  
145 TPY
- c) Visible Emissions 20% opacity

The emissions of particulate matter (PM) sulfur dioxide (SO<sub>2</sub>) and volatile organic compounds (VOC) shall be controlled (minimized) by good combustion practices.

4. Initial and annual compliance tests will be conducted as follows:

- a) EPA Method 9 for visible emissions

5. Initial tests only, shall be required for NOx and CO:

- a) EPA Method 7E for NOx
- b) EPA Method 10 for CO

Note: Other DER approved methods may be used in place of the above mentioned ones only after prior approval from the Department.

6. DER's district office shall be notified in writing 15 days prior to source testing. Written reports of the tests shall be submitted to the district office with 45 days of test completion.

The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, the Department must be notified in writing 60 days prior to the expiration of the construction permit and submit a new schedule and request for an extension of the construction permit, (Rule 17-2, FAC).

To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including



PERMITTEE:  
Pensacola Christian School

Permit Number: AC 17-139470  
Expiration Date: December 1, 1988

the application fee, along with compliance test results and Certificate of Completion, to the Department's District office 90 days prior to the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate. (Rules 17-2 and 17-4, FAC).

If the construction permit expires prior to the permittee requesting an extension or obtaining a permit to operate, then all activities at the project must cease and the permittee must apply for a new permit to construct which can take up to 90 days to process a complete application. (Rule 17-4, FAC)

7. Any change in the method of operation, fuels, equipment or operating hours shall be submitted for approval to DER's District office.

Issued this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

\_\_\_\_\_  
Dale Twachtman, Secretary

PM  
9/15/87  
Cherry Hill, NJ

AC 17-139470  
Receipt #76181

# STONE & WEBSTER ENGINEERING CORPORATION



CHERRY HILL OPERATIONS CENTER

3 EXECUTIVE CAMPUS, P.O. BOX 5200

CHERRY HILL, NEW JERSEY 08034

TWX: 710-892-0147  
710-892-0148

BOSTON  
NEW YORK  
CHERRY HILL, N.J.  
DENVER  
CHICAGO  
HOUSTON  
PORTLAND, OREGON  
SAN DIEGO  
WASHINGTON, D.C.

DESIGN  
CONSTRUCTION  
REPORTS  
EXAMINATIONS  
CONSULTING  
ENGINEERING

State of Florida  
Attn Mr. W. Thomas  
Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

September 15, 1987  
J.O. No. 15927  
PCC-X-0013  
Response Required

PCC COGENERATION FACILITY  
CONSTRUCTION/OPERATION PERMIT  
PENSACOLA CHRISTIAN COLLEGE

Per your conversation with J. J. Levey, enclosed is the \$1000.00 application fee, the original application and four copies signed and sealed for your review and approval, in accordance with our request in SWEC letter PCC-X-0012, dated August 24, 1987. We appologize for any inconvenience this may have caused.

T. L. Ott  
Project Manager

Enclosure

JJL:CMT

DER  
SEP 17 1987  
BAQM

**STONE & WEBSTER ENGINEERING CORPORATION**

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

No 76181

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from Pensacola Christian College Date Sept. 11, 1987

Address Box 18000, Pensacola, FL 32523-9160 Dollars \$ 1,000.00

Applicant Name & Address Arlene S. Horton, Pres./C. Officer, Same Address

Source of Revenue #043800

Revenue Code 00,031 Application Number AC 11-137470

By Michael J. Ford

COOPERATION FACILITY



FIRST FLORIDA BANK  
PENSACOLA, FLORIDA 32503

63-801  
632

**PENSACOLA CHRISTIAN COLLEGE**

Pensacola Christian School • A Beka Book Publications • Campus Store • Correspondence School • WPCS  
Box 18000, Pensacola, FL 32523-9160  
(904)-478-8480 Accounting Ext. 2854

043806

9/9/87

PAY

TO  
THE  
ORDER  
OF

State of Florida  
Department of Environmental Regulation

PENSACOLA CHRISTIAN COLLEGE **1,000.00** AMOUNT \$1,000.00

PENSACOLA CHRISTIAN COLLEGE

*Arlene S. Horton*  
*Michael J. Ford*

BAQM

PM  
9/15/87  
Cherry Hill

AC 17-139470  
Receipt # 76181  
\$1000.00

# STONE & WEBSTER ENGINEERING CORPORATION

CHERRY HILL OPERATIONS CENTER  
3 EXECUTIVE CAMPUS, P.O. BOX 5200  
CHERRY HILL, NEW JERSEY 08034



BOSTON  
NEW YORK  
CHERRY HILL, N.J.  
DENVER  
CHICAGO  
HOUSTON  
PORTLAND, OREGON  
WASHINGTON, D.C.

TWX: 710-892-0147  
710-892-0148

DESIGN  
CONSTRUCTION  
REPORTS  
EXAMINATIONS  
CONSULTING  
ENGINEERING

State of Florida  
Attn Mr. W. Thomas  
Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

August 24, 1987  
J.O.No. 15927  
PCC-X-0012  
Response Required

PCC COGENERATION FACILITY  
CONSTRUCTION/OPERATION PERMIT  
PENSACOLA CHRISTIAN COLLEGE

This letter requests the Florida Department of Environmental Regulation to issue a permit to construct and operate an addition to the cogeneration facility at the Pensacola Christian College, Escambia County, Florida, in accordance with the enclosed application (original and three copies). The intended construction date for this addition is March 1, 1988.

We trust that the enclosed information satisfies the Department's requirements. If you need additional information, please contact J. J. Levey at (609) 482-3868.

T. L. Ott  
Project Manager

Enclosure

LBH:JML

Copied: Ed Middelstuart - 10/28/87

DER  
SEP 17 1987  
BAQM

DEPARTMENT OF ENVIRONMENTAL REGULATION



WIN TOWERS OFFICE BUILDING  
800 BLAIR STONE ROAD  
ALLAHASSEE, FLORIDA 32301-8241

DER

BOB GRAHAM  
GOVERNOR

SEP 17 1987

VICTORIA J. TSCHINKEL  
SECRETARY

BAQM

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Cogeneration Facility [ ] New<sup>1</sup> [x] Existing<sup>1</sup>

APPLICATION TYPE: [x] Construction [ ] Operation [ ] Modification

COMPANY NAME: Pensacola Christian School, Inc. COUNTY: Escambia

Identify the specific emission point source(s) addressed in this application (i.e. Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) 1 diesel engine exhaust duct

SOURCE LOCATION: Street Rawson Lane City Pensacola, FL

UTM: East 477548 m North 3371010 m

Latitude 30 ° 28 ' 22 "N Longitude 87 ° 14 ' 02 "W

APPLICANT NAME AND TITLE: Pensacola Christian School, Inc. Attn: Dr. Horton

APPLICANT ADDRESS: Rawson Lane, Pensacola, FL

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

APPLICANT

I am the undersigned owner or authorized representative\* of Pensacola Christian School

I certify that the statements made in this application for a Cogeneration Facility permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

\*Attach letter of authorization

Signed: *Arlen R. Horton*

Arlen R. Horton, President/Founder  
Name and Title (Please Type)

Date: 8/21/87 Telephone No. 904-478-8480

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

e Florida Administrative Code Rule 17-2.100(57) and (104)

The pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.



Signed James J. Levey

James J. Levey  
Name (Please Type)

Stone & Webster Engineering Corporation  
Company Name (Please Type)

P.O. Box 5200, Cherry Hill, NJ 08034  
Mailing Address (Please Type)

Florida Registration No. 0034075 Date: 9/14/87 Telephone No. 609-482-3868

SECTION II: GENERAL PROJECT INFORMATION

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

One (1) internal combustion engines and chiller-heaters providing 1.1 MWe,  
468 tons chilled water and 350 GPM hot water

B. Schedule of project covered in this application (Construction Permit Application Only)

Start of Construction Dec. 1, 1987 Completion of Construction Mar. 1, 1988

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

None.

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

Permit No. AC 17-129619; issued July 14, 1987; expires June 30, 1988

E. Requested permitted equipment operating time: hrs/day 24 ; days/wk 7 ; wks/yr 52 ;  
power plant, hrs/yr 8500 ; if seasonal, describe: \_\_\_\_\_

F. If this is a new source or major modification, answer the following questions.  
(Yes or No)

1. Is this source in a non-attainment area for a particular pollutant? No  
a. If yes, has "offset" been applied? \_\_\_\_\_  
b. If yes, has "Lowest Achievable Emission Rate" been applied? \_\_\_\_\_  
c. If yes, list non-attainment pollutants. \_\_\_\_\_

2. Does best available control technology (BACT) apply to this source?  
If yes, see Section VI. No (1)

3. Does the State "Prevention of Significant Deterioration" (PSD)  
requirement apply to this source? If yes, see Sections VI and VII. No (1)

4. Do "Standards of Performance for New Stationary Sources" (NSPS)  
apply to this source? No

Do "National Emission Standards for Hazardous Air Pollutants"  
(NESHAP) apply to this source? No

H. Do "Reasonably Available Control Technology" (RACT) requirements apply  
to this source? No

a. If yes, for what pollutants? \_\_\_\_\_

b. If yes, in addition to the information required in this form,  
any information requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any justifi-  
cation for any answer of "No" that might be considered questionable.

Note:

- (1) As provided under Florida Air Pollution Rules Section 17-2.500  
subpart (2)(a) nonprofit educational facilities shall not be  
subject to new source review requirements.

SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		
N/A				

B. Process Rate, if applicable: (See Section V, Item 1)

- Total Process Input Rate (lbs/hr): N/A
- Product Weight (lbs/hr): N/A

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission <sup>1</sup>		Allowed Emission Rate per Rule 17-2	Allowable Emission lbs/hr	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
NO <sub>x</sub>	34	145			318,000	159	
CO	34	145			40,000	20	
Non-Methane	-	-					
Hydrocarbon	6.8	29			13,000	7	

<sup>1</sup>See Section V, Item 2.

<sup>2</sup>Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

<sup>3</sup>Calculated from operating rate and applicable standard.

<sup>4</sup>Emission, if source operated without control (See Section V, Item 3).



Calculation of Emissions  
 State of Florida  
 Department of Environmental Regulation  
 Application to Operate/Construct Air Pollution Source  
 Section IIIC

Emissions have been calculated based on the following:

Assumptions:

1. Operating time - 8500hr/yr
2. Engine fuel air ratio adjusted to produce equal NO<sub>x</sub> and CO
3. Engines run continuously at normal load

Vendor information:

Waukesha FZ042GSI engines  
 1100kw normal load - 1544bhp  
 Equal NO<sub>x</sub> - CO emission  
 NO<sub>x</sub> - 10gm/bhp/hr  
 CO - 10gm/bhp/hr  
 Non Methane Hydrocarbon - 2gm/bhp/hr

EPA Publication AP42 emission factors

From Table 3.3.2-1 emission factors for heavy-duty, natural gas-fired pipeline compressor engines  
 NO - 11gm/bhp/hr  
 CO<sup>x</sup> - 1.4gm/bhp/hr  
 Non Methane Hydrocarbon - 0.44gm/bhp/hr

Sample Calculation:

NO emissions using vendor information

$$\begin{array}{r}
 10\text{gmNO}_x \quad 1 \text{ engines} \quad 8500\text{hr} \quad 1\text{b} \quad \text{ton} \quad 1544\text{bhp} \\
 \hline
 \text{bhp-hr} \quad \text{yr} \quad 454\text{gm} \quad 2000\text{lb} \quad \text{engine}
 \end{array}
 = 145 \frac{\text{ton}}{\text{yr}}$$

All values shown in Section III Table C are calculated in a similar manner.

D. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
N/A				

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	ava/hr	max./hr	
Natural Gas	0.013	0.017	14.9

\*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis:

Percent Sulfur: \_\_\_\_\_ Percent Ash: \_\_\_\_\_

Density: \_\_\_\_\_ lbs/gal Typical Percent Nitrogen: \_\_\_\_\_

Heat Capacity: \_\_\_\_\_ BTU/lb \_\_\_\_\_ BTU/gal

Other Fuel Contaminants (which may cause air pollution): \_\_\_\_\_

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average 14.5 Maximum 28.5

G. Indicate liquid or solid wastes generated and method of disposal.

N/A



Brief description of operating characteristics of control devices: N/A

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

N/A

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.)
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency).
6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.
7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.

10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

**SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY**

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

Yes  No

Contaminant

Rate or Concentration

Not Applicable

_____	_____
_____	_____
_____	_____
_____	_____

B. Has EPA declared the best available control technology for this class of sources (if yes, attach copy)

Yes  No

Contaminant

Rate or Concentration

Not Applicable

_____	_____
_____	_____
_____	_____
_____	_____

C. What emission levels do you propose as best available control technology?

Contaminant

Rate or Concentration

Not Applicable

_____	_____
_____	_____
_____	_____
_____	_____

D. Describe the existing control and treatment technology (if any).

1. Control Device/System:

2. Operating Principles:

3. Efficiency:\*

4. Capital Costs:

Plain method of determining

Not Applicable

5. Useful Life:

Energy:

9. Emissions:

6. Operating Costs:

8. Maintenance Cost:

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

10. Stack Parameters

a. Height:

ft.

b. Diameter:

ft.

c. Flow Rate:

ACFM

d. Temperature:

°F.

e. Velocity:

FPS

E. Describe the control and treatment technology available (As many types as applicable, use additional pages if necessary).

1.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

2.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

<sup>1</sup> Explain method of determining efficiency.

<sup>2</sup> Energy to be reported in units of electrical power - KWH design rate.

Not Applicable

3. Applicability to manufacturing processes:

- k. Ability to construct with control device, install in available space, and operate within proposed levels:

3.

- |                             |                          |
|-----------------------------|--------------------------|
| a. Control Device:          | b. Operating Principles: |
| c. Efficiency: <sup>1</sup> | d. Capital Cost:         |
| e. Useful Life:             | f. Operating Cost:       |
| g. Energy: <sup>2</sup>     | h. Maintenance Cost:     |

- i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

- k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

- |                             |                          |
|-----------------------------|--------------------------|
| a. Control Device:          | b. Operating Principles: |
| c. Efficiency: <sup>1</sup> | d. Capital Costs:        |
| e. Useful Life:             | f. Operating Cost:       |
| g. Energy: <sup>2</sup>     | h. Maintenance Cost:     |

- i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

- k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

- |                      |                             |
|----------------------|-----------------------------|
| 1. Control Device:   | 2. Efficiency: <sup>1</sup> |
| 3. Capital Cost:     | 4. Useful Life:             |
| 5. Operating Cost:   | 6. Energy: <sup>2</sup>     |
| 7. Maintenance Cost: | 8. Manufacturer:            |
9. Other locations where employed on similar processes:
- a. (1) Company:
- (2) Mailing Address:
- (3) City: (4) State:

1. Main method of determining efficiency.

2. Energy to be reported in units of electrical power - KWH design rate.

Not Applicable

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

(8) Process Rate:<sup>1</sup>

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

(8) Process Rate:<sup>1</sup>

10. Reason for selection and description of systems:

<sup>1</sup>Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data

Not Applicable

1. \_\_\_\_\_ no. sites \_\_\_\_\_ TSP \_\_\_\_\_ ( ) SO<sub>2</sub>\* \_\_\_\_\_ Wind spd/dir

Period of Monitoring \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year

Other data recorded \_\_\_\_\_

Attach all data or statistical summaries to this application.

Specify bubbler (B) or continuous (C).



Not Applicable

2. Instrumentation, Field and Laboratory

1. Was instrumentation EPA referenced or its equivalent? [ ] Yes [ ] No

2. Was instrumentation calibrated in accordance with Department procedures?

[ ] Yes [ ] No [ ] Unknown

B. Meteorological Data Used for Air Quality Modeling

1. \_\_\_\_\_ Year(s) of data from \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year

2. Surface data obtained from (location) \_\_\_\_\_

3. Upper air (mixing height) data obtained from (location) \_\_\_\_\_

4. Stability wind rose (STAR) data obtained from (location) \_\_\_\_\_

C. Computer Models Used

1. \_\_\_\_\_ Modified? If yes, attach description.

2. \_\_\_\_\_ Modified? If yes, attach description.

3. \_\_\_\_\_ Modified? If yes, attach description.

4. \_\_\_\_\_ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO <sub>2</sub>	_____ grams/sec

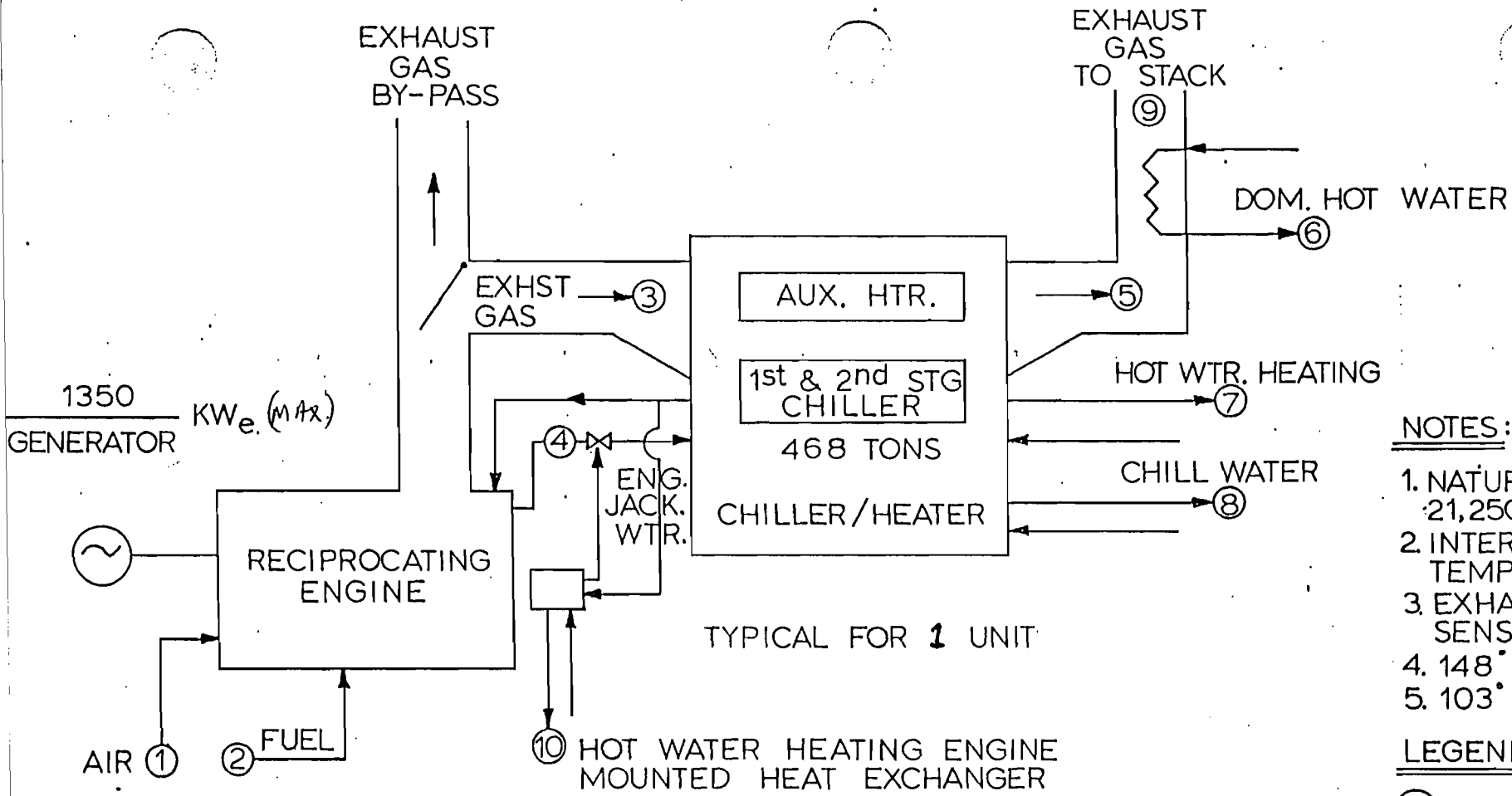
E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

F. Attach all other information supportive to the PSD review.

G. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

H. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.



NOTES:

1. NATURAL GAS (LHV) 21,250 BTU/LB.
2. INTERCOOLER TEMP = 85° F.
3. EXHAUST GAS SENSIBLE HEAT.
4. 148° F WB
5. 103° F WB

LEGEND

(1) — POINT 1 (SEE CHART)

POINT		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	UNITS		EACH TOTAL	EACH TOTAL	EACH TOTAL	EACH TOTAL	EACH TOTAL	EACH TOTAL	EACH TOTAL	EACH TOTAL	EACH TOTAL
PRESS.	PSIA	14.7	—	—							
TEMP.	OF	85 NOTE 2	—	—	1150	205/192	375 NOTE 4	55/120	145/175	56/44	106/145 NOTE 5
FLOW	GPM		—	—		635		69.4	183	936	280
	LB/HR		701.2	13800		13800					13800
	CFM	2830		9460							
ENERGY	BTU/HR x 106		14.9	3.66 NOTE 3	4.21		2.252	2.749	5.62		4.21

RAWSON LANE

DORM 'A'

DORM 'B'

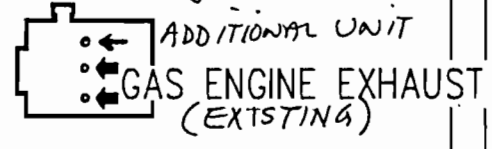
ADMINISTRATION

CLASSROOM

GYMNASIUM

SWIM CENTER

DINING COMMONS



DORMITORY 'D'

CONSTANCE AVE

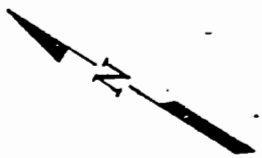
GRIFFITH TOWER

FINE ARTS PHASE I

McKENZIE BLDG

FINE ARTS PHASE II

FUHRMAN DRIVE



PENSACOLA CHRISTIAN COLLEGE  
EXHAUST EMISSION LOCATION  
PLAN

STONE & WEBSTER ENGINEERING CORPORATION  
CHERRY HILL, NEW JERSEY

PM  
8-31-87  
Pensacola, FL

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TWX: 710-892-0147  
710-892-0148

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State of Florida  
Attn Mr. W. Thomas  
Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

August 24, 1987  
J.O.No. 15927  
PCC-X-0012  
Response Required

PCC COGENERATION FACILITY  
CONSTRUCTION/OPERATION PERMIT  
PENSACOLA CHRISTIAN COLLEGE

This letter requests the Florida Department of Environmental Regulation to issue a permit to construct and operate an addition to the cogeneration facility at the Pensacola Christian College, Escambia County, Florida, in accordance with the enclosed application (original and three copies). The intended construction date for this addition is March 1, 1988.

We trust that the enclosed information satisfies the Department's requirements. If you need additional information, please contact J. J. Levey at (609) 482-3868.

  
F. L. Ott  
Project Manager

Enclosure

LBH:JML

*Talked to Jim Levey 9/4/87  
4:15 PM. He will send 4 copies,  
w/ orig. signatures, seal & \$1,000 fee  
In meantime put this on hold.  
B,*

*1 Copy -  
no orig sign.  
1K Fee  
No Seal*