

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 Pensacola Christian College, Inc. Rawson Lane Pensacola, FL 32503	4. Article Number P 274 010 428
	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	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>James C. Dept.</i>	
7. Date of Delivery	

PS Form 3811, Feb. 1986

DOMESTIC RETURN RECEIPT

P 274 010 428

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 Pensacola Christian College Street and No. Rawson Lane	
P.O., State and ZIP Code Pensacola, FL 32503	
Postage	S
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	S
Postmark or Date Mailed: 03/10/88 Permit: AC 17-129619	

PS Form 3800, June 1985

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

March 8, 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
Engines 1 & 2, Permit No. AC 17-129619

The Department has received and reviewed your request dated February 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: June 30, 1988
To: December 1, 1988

Attachment to be Added:

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

This letter must be attached to your construction permit, AC 17-129619 and shall become a part of the permit.

Sincerely,


Dale Twachtmann
Secretary

DT/ss

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

2125188

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

AC-17-139470

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

February 22, 1988
J.O.No. 15927
PCC-X-0020

COGENERATION PROJECT
CONSTRUCTION/OPERATION PERMIT
PENSACOLA CHRISTIAN COLLEGE

This letter is to request an extension to Construction Permit AC-17-129619 for gas-fired internal combustion engines 1 and 2 at Pensacola Christian College. It is unlikely that these two units 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 June 30, 1988.

It is requested that the permit be extended to December 1, 1988, to coincide with the construction permit for the No. 3 combustion engine, Permit AC-17-139470. Any necessary testing and application forms can then be completed simultaneously.

for

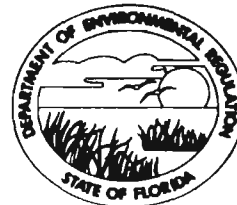
T. L. Ott
Project Manager

LBH:DHK

Copied. Pradeep Raval
JHFBT 2-26-88

RECEIVED

FEB 24 1988
Northwest Florida
DER



Interoffice Memorandum

TO: Dale Twachtmann

FROM: Howard L. Rhodes *[Signature]*

SUBJ: Amendment to Construction Permit No. AC 17-129619
Pensacola Christian College

DATE: March 8, 1988

For Routing To, Other Than The Addressee	
To: <i>Claw</i>	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Attached for your approval and signature is a letter prepared by Central Air Permitting that will extend the expiration date of the given construction permit issued to the above mentioned company. This extension will enable them to apply for an operating permit.

The request is not controversial. I recommend this extension be approved.

HLR/aqm/pr

attachment

RECEIVED

MAR 9 1988

Office of the Secretary

RECEIVED

MAR 10 1988

DER-BAQM

Mailed from
NW Dist. Office
21251888

File Copy

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

AC17-145766

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

February 22, 1988
J.O.No. 15927
PCC-X-0020

COGENERATION PROJECT
CONSTRUCTION/OPERATION PERMIT
PENSACOLA CHRISTIAN COLLEGE

This letter is to request an extension to Construction Permit AC-17-129619 for gas-fired internal combustion engines 1 and 2 at Pensacola Christian College. It is unlikely that these two units 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 June 30, 1988.

It is requested that the permit be extended to December 1, 1988, to coincide with the construction permit for the No. 3 combustion engine, Permit AC-17-139470. Any necessary testing and application forms can then be completed simultaneously.

T. L. Ott

fop

T. L. Ott
Project Manager

LBH:DHK

Copied. Pradeep Raval } 2.26.88
CHF/BT

RECEIVED
FEB 24 1988
Northwest Florida
DER

2/26/88

~~CHF~~
BY → FYI

(4)

RECEIVED

FEB 26 1988

DER-BAQM

APPLICATION TRACKING SYSTEM

02/24/88

APPL NO:145766

APPL RECVD:02/24/88 TYPE CODE:AC SUBCODE:TX

LAST UPDATE:02/24/88

DER OFFICE RECVD:PEN DER OFFICE TRANSFER TO:___

APPLICATION COMPLETE:___/___/___

DER PROCESSOR:PREECE, JACK

APPL STATUS:AC DATE:02/24/88 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)

RELIEF:___ (SSAC/EXEMPTIONS/VARIANCE)

(Y/N) N MANUAL TRACKING

DISTRICT:10 COUNTY:57

(Y/N) N DNR REVIEW REQD?

LAT/LONG:___/___

(Y/N) N PUBLIC NOTICE REQD?

Basin-SEGMENT:___

(Y/N) N GOV BODY LOCAL APPROVAL REQD?

COE #:___

(Y/N) Y LETTER OF INTENT REQD? (I/ISSUE D/DENY)

ALT#:___

PROJECT SOURCE NAME:PENSACOLA CHRISTIAN SCH;COGENERATIO

STREET:RAWSON LANE

CITY:PENSACOLA

STATE:FL ZIP:32501

PHONE:904-478-8480

APPLICATION NAME:PENSACOLA CHRISTIAN SCHOOL

STREET:RAWSON LANE

CITY:PENSACOLA

STATE:FL ZIP:32501

PHONE:904-478-8480

AGENT NAME:JAMES J. LEVEY

STREET:P. O. BOX 5200

CITY:CHERRY HILL

STATE:NH ZIP:08034

PHONE:609-482-3868

FEE #1 DATE PAID:___/___/___ AMOUNT PAID:___ RECEIPT NUMBER:___

B	DATE	APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE	- - -	___/___/___
C	DATE	DER SENT DNR APPLICATION/SENT DNR INTENT	- - -	___/___/___
D	DATE	DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP.	- - -	___/___/___
E	DATE	#1 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E	DATE	#2 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E	DATE	#3 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E	DATE	#4 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E	DATE	#5 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E	DATE	#6 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
F	DATE	GOVERNING BODY REQUESTED SURVEY RESULTS/REPORTS	- - -	___/___/___
G	DATE	FIELD REPORT WAS REQ--REC	- - -	___/___/___
H	DATE	DNR REVIEW WAS COMPLETED	- - -	___/___/___
I	DATE	APPLICATION WAS COMPLETE	- - -	___/___/___
J	DATE	GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS	- - -	___/___/___
K	DATE	NOTICE OF INTENT WAS SENT--REC TO APPLICANT	- - -	___/___/___
L	DATE	PUBLIC NOTICE WAS SENT TO APPLICANT	- - -	___/___/___
M	DATE	PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED	- - -	___/___/___
N	WAIVER	DATE BEGIN--END (DAY 90)	- - -	___/___/___

COMMENTS:TIME EXTENSION TO AC17-129619

1 off

APPLICATION TRACKING SYSTEM

02/24/88

APPL NO:145766

APPL RECVD:02/24/88 TYPE CODE:AC SUBCODE:TX LAST UPDATE:02/24/88

DER OFFICE RECVD:PEN DER OFFICE TRANSFER TO:___ APPLICATION COMPLETE:___/___/___

DER PROCESSOR:PREECE, JACK

APPL STATUS:AC DATE:02/24/88 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)

RELIEF:___ (SSAC/EXEMPTIONS/VARIANCE)

(Y/N) N MANUAL TRACKING DISTRICT:10 COUNTY:57
(Y/N) N DNR REVIEW REQD? LAT/LONG:___/___
(Y/N) N PUBLIC NOTICE REQD? SASIN-SEGMENT:___
(Y/N) N GOV BODY LOCAL APPROVAL REQD? CDE #:___
(Y/N) Y LETTER OF INTENT REQD? (I/ISSUE D/DENY) ALT#:___

PROJECT SOURCE NAME:PENSACOLA CHRISTIAN SCH;COGENERATIO

STREET:RAWSON LANE CITY:PENSACOLA
STATE:FL ZIP:32501 PHONE:904-473-8480

APPLICATION NAME:PENSACOLA CHRISTIAN SCHOOL

STREET:RAWSON LANE CITY:PENSACOLA
STATE:FL ZIP:32501 PHONE:904-478-8480

AGENT NAME:JAMES J. LEVEY

STREET:P. O. BOX 5200 CITY:CHERRY HILL
STATE:NH ZIP:08034 PHONE:609-482-3868

FEE #1 DATE PAID:___/___/___ AMOUNT PAID:___ RECEIPT NUMBER:___

B DATE APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE - - - / /
C DATE DER SENT DNR APPLICATION/SENT DNR INTENT - - - / /
D DATE DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP. - - - / /
E DATE #1 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - / /
E DATE #2 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - / /
E DATE #3 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - / /
E DATE #4 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - / /
E DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - / /
E DATE #6 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - / /
F DATE GOVERNING BODY REQUESTED SURVEY RESULTS/REPORTS - - - / /
G DATE FIELD REPORT WAS REQ--REC - - - / /
H DATE DNR REVIEW WAS COMPLETED - - - / /
I DATE APPLICATION WAS COMPLETE - - - / /
J DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS - - - / /
K DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT - - - / /
L DATE PUBLIC NOTICE WAS SENT TO APPLICANT - - - / /
M DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED - - - / /
N WAIVER DATE BEGIN--END (DAY 90) - - - / /

COMMENTS:TIME EXTENSION TO AC17-129619

Handwritten signature or initials.

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP		ACTION NO	
		ACTION DUE DATE	
1. TO: (NAME, OFFICE, LOCATION)	PGM - BAQM	306	Initial
	<i>Beel Thomas - CAPS TL - TT</i>		Date
2.			Initial
			Date
3.			Initial
	RECEIVED		Date
	FEB 26 1988		Initial
			Date
4.			Initial
	DER - BAQM		Date

REMARKS:

INFORMATION	
<input type="checkbox"/>	Review & Return
<input type="checkbox"/>	Review & File
<input type="checkbox"/>	Initial & Forward
<input type="checkbox"/>	
DISPOSITION	
<input type="checkbox"/>	Review & Respond
<input type="checkbox"/>	Prepare Response
<input type="checkbox"/>	For My Signature
<input type="checkbox"/>	For Your Signature
<input type="checkbox"/>	Let's Discuss
<input type="checkbox"/>	Set Up Meeting
<input type="checkbox"/>	Investigate & Report
<input type="checkbox"/>	Initial & Forward
<input type="checkbox"/>	Distribute
<input type="checkbox"/>	Concurrence
<input type="checkbox"/>	For Processing
<input type="checkbox"/>	Initial & Return

FROM: *Pensacola*
Jack Preece

DATE *2/25/88*
PHONE

P. 274 007 732

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Arlin 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: 07/16/87 AC 17-129619	

* U.S.G.P.O. 1985-680-794

PS Form 3800, June 1985

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.

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

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

4. Type of Service: <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured <input type="checkbox"/> COD	Article Number P 2740007.732
--	--	---------------------------------

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X *[Signature]*

6. Signature - Agent
X

7. Date of Delivery
7-20-87

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

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. Arlin R. Horton
President/Founder
Pensacola Christian School, Inc.
Rawson Lane
Pensacola, Florida 32503

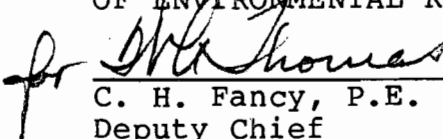
July 15, 1987

Enclosed is construction permit No. AC 17-129619 to Pensacola Christian School, Inc. which authorizes the construction/ installment of two (2) internal combustion engines and chiller-heaters at the applicant's existing facility 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:

T. L. Ott
J. Levey
J. Preece

Final Determination

Pensacola Christian School
Escambia County
Pensacola, Florida

Permit Number:
AC 17-129619

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

July 9, 1987

Final Determination

The construction permit application has been reviewed by the Department. Public Notice of the Department's Intent to Issue was published in Pensacola News Journal on June 6, 1987. The Technical Evaluation and Preliminary Determination were available for public inspection at the Department's NW District office and the Bureau of Air Quality Management office.

For performance verification, the Bureau will require an initial compliance test for NOx and the requirement will be incorporated into Specific Condition No. 3 of the proposed Construction Permit.

The final action of the Department will be to issue the construction permit as amended.

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

Intent

_____ in the _____ Court,

was published in said newspaper in the issues of _____

June 6, 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 9th

day of June, A.D., 19 87

[Signature]
NOTARY PUBLIC.

My Commission Expires Oct. 16, 1987.

State of Florida
Department of
Environmental
Regulation
Notice of Intent

The Department gives notice of its intent to issue a permit to Pensacola Christian School, Inc., to construct/install two (2) internal combustion engine generators and chiller-heaters at their existing facility on Rawson Lane in Pensacola, Escambia County, Florida. A determination of best available control technology (BACT) was not required.

Persons whose substantial interests are affected by the Department's proposed permitted decision may petition for an administration determination (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 282-5, 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 proceeds 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

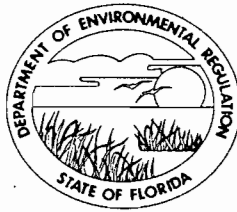
Dept. of
Environment Regulation
Northwest District
160 Governmental Center
Pensacola, Florida 32501

Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address all comments mailed within 30 days of the publication of this notice will be considered in the Department's final determination.

LEGAL NO. 32982 1T
JUNE 6, 1987

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, Inc.
Rawson Lane
Pensacola, Florida 32503

Permit Number: AC 17-129619
Expiration Date: June 30, 1988
County: Escambia
Latitude/Longitude: 30° 28' 22" N
80° 14' 02" W

Project: Two (2) Internal Combustion
Engine Generators and
Chiller-Heaters

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 drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Two (2) internal combustion engine generators and chiller-heaters, each providing 1.1 MW/yr, 468 tons/yr chilled water, and 350 gals/min hot water.

The operation shall be in accordance with the attached permit application, plans, documents, and drawings, except as noted in the Specific Conditions of this permit.

The Standard Industrial Codes are: Major Group ^{82 - Educational Services} 35 - Machinery, ~~except electrical~~; Group No. ^{822 - Colleges, Universities, Professional Schools, & Junior Colleges} 351 - Engines and Turbines; Industrial No. ~~3519 - Internal Combustion Engines.~~

~~8221 - Colleges, Universities & Professional schools~~

Attachments:

1. Application to Construct an Air Pollution Source, DER Form 17-2.202(1).
2. C. H. Fancy's letter dated February 19, 1987.
3. Pensacola Christian School's letter dated March 23, 1987, and received March 27, 1987.

PERMITTEE: Pensacola Christian School, Inc. **Permit Number:** AC 17-129619
Expiration Date: June 30, 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, Inc.

Permit Number: AC 17-129619

Expiration Date: June 30, 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, Inc.

Permit Number: AC 17-129619
Expiration Date: June 30, 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, Inc.

Permit Number: AC 17-129619

Expiration Date: June 30, 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 Department's Northwest District office shall be notified in writing 15 days in advance of any compliance test to be conducted on the sources.
2. Compliance tests shall be conducted in accordance with FAC Rule 17-2.700, and the test(s) results shall be submitted to the DER's Northwest District within 45 days after completion of the test(s).
3. After an initial NOx emissions compliance test for performance verification, which shall be determined by EPA Method 20, 40 CFR 60, Appendix A, or other method approved by the Department, NOx emissions compliance test(s) shall be required only if visible emissions exceed 5% opacity as determined by EPA Method 9, 40 CFR 60, Appendix A.

PERMITTEE:
Pensacola Christian School, Inc.

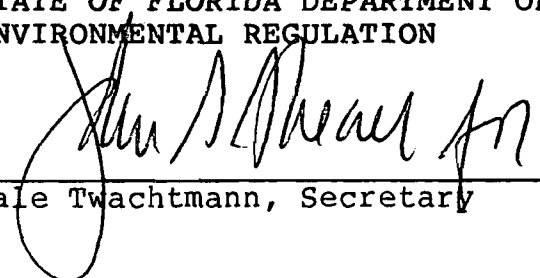
Permit Number: AC 17-129619
Expiration Date: June 30, 1988

SPECIFIC CONDITIONS:
(continued)

4. Ninety days before the expiration of this permit, a complete application for an operating permit shall be submitted to the DER's Northwest District office. The permittee may continue to operate in compliance with all terms of this permit until its expiration date or the issuance of an operating permit. The Department may extend the expiration date of this permit as authorized by FAC Rule 17-2.210.
5. NOx emission rate shall not exceed 68 lbs/hr (total).
6. Maximum heat input shall not exceed 29.8 MMBtu/hr (total).
7. Maximum gas consumption shall not exceed 1400 lbs/hr (total).
8. Each source shall be allowed to operate 24 hours/day, 7 days/week, and 52 weeks/yr.

Issued this 14 day of July, 1987

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION



Dale Twachtmann, Secretary

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION



Interoffice Memorandum

TO: Dale Twachtmann

THRU: Howard Rhodes *HR*

FROM: Clair Fancy *CAF*

DATE: July 9, 1987

SUBJ: Approval of Construction Permit No. AC 17-129619
Pensacola Christian School, Inc.

FOR ROUTING TO OTHER THAN THE ADDRESSEE	
To: _____	LOCTN: _____
To: _____	JUN 10 1987
To: _____	LOCTN: _____
FROM: _____	DATE: _____

RECEIVED

Office of the Secretary

Attached for your approval and signature is a construction permit to install two (2) internal combustion engines and chiller-heaters at the applicant's existing facility in Pensacola, Escambia County, Florida. The Bureau has made a comment regarding this permit in the Final Determination and the permit has been amended.

Day 90 after which this permit will be issued by default is July 28, 1987

The Bureau recommends approval and signature.

CHF/MJ/s

attachment



JAMES YATES BRUCE, AIA, ARCHITECT, PC

3122 VINEVILLE AVENUE - MACON, GEORGIA 31204

912/742-4678

Member AMERICAN INSTITUTE OF ARCHITECTS
CONSTRUCTION SPECIFICATIONS INSTITUTE
COUNCIL OF EDUCATIONAL FACILITIES PLANNERS

PM
29 Jun
Macon, Ga

June 29, 1987

Mr. W.A. Thomas
Department of Environmental Regulation
Bureau of Air Quality Management
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DER
JUL 2 1987
BAQM

RE: Pensacola Christian College
Intent to Issue
DER File No. AC57-129619

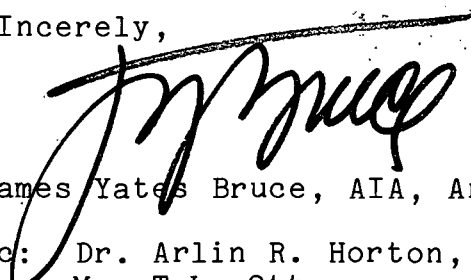
Dear Mr. Thomas,

This letter confirms our telephone conversations this date, particularly, that the College did, in fact, deliver to DER an affidavit of publication and copy of legal notice published on June 6, 1987, dated June 10, 1987.

Further, this correspondence confirms that the 14 day waiting period required by the State of Florida has expired and the 30 day waiting period required by the Federal Government will expire on July 6, 1987 and that the permit allowing the College to proceed with the work, barring any negative comments received, will be issued during the week of July 6, 1987.

Thank you for your help and consideration this morning.

Sincerely,


James Yates Bruce, AIA, Architect, P.C.

cc: Dr. Arlin R. Horton, President

Mr. T.L. Ott

File



Executive Offices

NOTED

JUN 16 1987 C. M. TUSTIN

File Copy

**PENSACOLA
CHRISTIAN
COLLEGE**

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

*18 Jun: Hand Delivered
NW Dist. office*

June 10, 1987

DER

JUN 19 1987

BAQM

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

Gentlemen:

Enclosed is an affidavit from the News Journal in Pensacola verifying that the notice of proposed agency action was published on Saturday, June 6, 1987.

This pertains to the intent to issue for DER file number AC57-129619 for Pensacola Christian College.

Sincerely yours,

Charles J. Holz
Assistant to the President

CJH:1mb

Enclosure

cc: Dr. Arlin Horton
Mr. Tom Ott
Mr. Jim Bruce

L. B. Hirst

G 9.0

*copied;
Maher 6-22-87 ABM*

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

Bill Thomas BAQM

Initial

Date

2.

Initial

Date

3.

DER

Initial

Date

4.

JUN 19 1987

Initial

Date

BAQM

REMARKS:

This is a copy of the published notice on Pens. Christian Schools.

Please let me know if any petitions are filed.

Thanks

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

Carolyn Salmon

DATE

6/18

PHONE

PENSACOLA 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

Intest

_____ in the _____ Court,

was published in said newspaper in the issues of _____

June 6-7-1987

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 _____

day of June A.D., 19 87

[Signature]
NOTARY PUBLIC.

My Commission Expires Oct. 16, 1987.

LEGAL NOTICE

State of Florida
Department of
Environmental
Regulation
Notice of Intent

The Department gives notice of its intent to issue a permit to Pensacola Christian School, Inc., to construct/install two (2) internal combustion engine generators and chiller-heaters at their existing facility on Rawson Lane in Pensacola, Escambia County, Florida. A determination of best available control technology (BACT) was not required.

Persons whose substantial interests are affected by the Department's proposed permitted 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 282-5, 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 proceeds 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, etc.

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

Dept. of
Environment Regulation
Northwest District
160 Governmental Center
Pensacola, Florida 32501

Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address all comments mailed within 30 days of the publication of this notice will be considered in the Department's final determination.

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.

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

3. Article Addressed to:
 T. L. Ott
 Project Manager
 Pensacola Christian School, Inc.
 Rawson Lane
 Pensacola, Florida 32503

4. Type of Service: Article Number
 Registered Insured
 Certified COD P 408 531 212
 Express Mail **12**

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
 X

6. Signature - Agent
 X *Miss Raiche*

7. Date of Delivery
6/1/87

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

DOMESTIC RETURN RECEIPT

P 408 531 212

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to T. L. Ott	
Pensacola Christian School, Inc. 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	\$

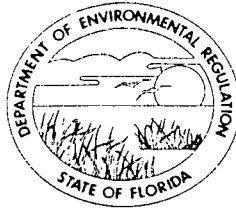
PS Form 3800, Feb. 1982

Postmark or Date
5/29/87
AC 57-129619

File Log

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

May 22, 1987

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. T. L. Ott
Project Manager
Pensacola Christian School, Inc.
Rawson Lane
Pensacola, Florida 32503

Dear Mr. Ott:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit to construct/install two (2) internal combustion engine generators and chiller-heaters at your existing Pensacola, Escambia County, facility.

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
J. Levey

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of
Application for Permit by:

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

DER File No. AC 57-129619

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above. 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, Inc., applied on January 20, 1987, to the Department of Environmental Regulation for a permit to construct/install two (2) internal combustion engine generators and chiller-heaters at their existing facility in Pensacola, Escambia County, Florida.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes and Florida Administrative Code 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.

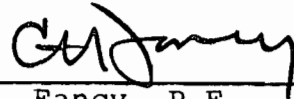
Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, FAC, you (the applicant) are required to publish at your own expense the enclosed Notice of Proposed Agency Action on permit application. The notice must be published one time only in a section of a major local newspaper of general circulation 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, Florida Statutes. Petitions must comply with the requirement of Florida Administrative Code 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, Florida Statutes, 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
T. Ott
J. Levey, P.E.

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 May 29, 1987.

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.

R. Bruce Mitchell
Clerk

5/29/87
Date

State of Florida
Department of Environmental Regulation
Notice of Intent

The Department gives notice of its intent to issue a permit to Pensacola Christian School, Inc., to construct/install two (2) internal combustion engine generators and chiller-heaters at their existing facility on Rawson Lane in Pensacola, Escambia County, Florida. A determination of best available control technology (BACT) was not required.

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

Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address. All comments mailed within 30 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.

Technical Evaluation
and
Preliminary Determination

Pensacola Christian School, Inc.
Escambia County
Pensacola, Florida

Two Internal Combustion Engines
Permit No.: 17-129619

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

May 22, 1987

I. Project Description

A. Applicant

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

B. Project and Location

The applicant proposes to install two (2) internal combustion engines and chiller-heaters, each providing 1.1 MW/yr, 468 tons/yr chilled water, and 350 gals/min hot water.

The existing facility is located on Rawson Lane in Pensacola, Escambia County, Florida, with UTM coordinates of 477.548 km E and 3371.010 km N.

II. Rule Applicability

The proposed project is subject to preconstruction review under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (FAC) Rules 17-2 and 17-4.

The project is located in an area designated attainment for particulate matter (PM; FAC Rule 17-2.420(2)) and unclassifiable for sulfur dioxide (FAC Rule 17-2.430(2)).

The project is located in an area designated as a PSD (Prevention of Significant Deterioration) area for the air pollutants particulate matter (FAC Rule 17-2.450(1)) and sulfur dioxide (FAC Rule 17-2.450(2)).

Pensacola Christian School, Inc., is a major facility (FAC Rule 17-2.110) because potential emissions exceed 100 TPY for NOx and CO.

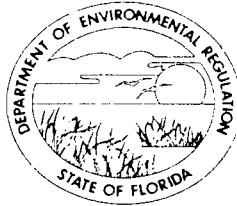
The proposed project is not subject to PSD New Source Review, because of the exemption provided under FAC Rule 17-2.500(2)(a), Nonprofit Educational Facilities.

III. Conclusion

Based on the data submitted by Pensacola Christian School, Inc., the Department has concluded that the emissions from the two (2) internal combustion engines and chiller-heaters at their existing facility can comply with state and federal regulations if the sources are designed, built, and operated properly. The General and Specific Conditions in the proposed permit will assure compliance of the new sources with air pollution control regulations.

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, Inc.
Rawson Lane
Pensacola, Florida 32503

Permit Number: AC 57-129619
Expiration Date: June 30, 1988
County: Escambia
Latitude/Longitude: 30° 28' 22" N
80° 14' 02" W

Project: Two (2) Internal Combustion
Engine Generators and
Chiller-Heaters

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 drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Two (2) internal combustion engine generators and chiller-heaters, each providing 1.1 MW/yr, 468 tons/yr chilled water, and 350 gals/min hot water.

The operation shall be in accordance with the attached permit application, plans, documents, and drawings, except as noted in the Specific Conditions of this permit.

The Standard Industrial Codes are: Major Group 35 - Machinery, except electrical; Group No. 351 - Engines and Turbines; Industrial No. 3519 - Internal Combustion Engines.

Attachments:

1. Application to Construct an Air Pollution Source, DER Form 17-2.202(1).
2. C. H. Fancy's letter dated February 19, 1987.
3. Pensacola Christian School's letter dated March 23, 1987, and received March 27, 1987.

PERMITTEE:
Pensacola Christian School, Inc.

Permit Number: AC 57-129619
Expiration Date: June 30, 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, Inc. Permit Number: AC 57-129619 Expiration Date: June 30, 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, Inc.

Permit Number: AC 57-129619
Expiration Date: June 30, 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, Inc.

Permit Number: AC 57-129619
Expiration Date: June 30, 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 Department's Northwest District office shall be notified in writing 15 days in advance of any compliance test to be conducted on the sources.
2. Compliance tests shall be conducted in accordance with FAC Rule 17-2.700, and the test(s) results shall be submitted to the DER's Northwest District within 45 days after completion of the test(s).
3. NOx emissions shall be determined by EPA Method 20, 40 CFR 60, Appendix A, or other method approved by the Department, if visible emissions exceed 5% opacity as determined by EPA Method 9, 40 CFR 60, Appendix A.

PERMITTEE: Pensacola Christian School, Inc. Permit Number: AC 57-129619
Expiration Date: June 30, 1988

SPECIFIC CONDITIONS:

(continued)

4. Ninety days before the expiration of this permit, a complete application for an operating permit shall be submitted to the DER's Northwest District office. The permittee may continue to operate in compliance with all terms of this permit until its expiration date or the issuance of an operating permit. The Department may extend the expiration date of this permit as authorized by FAC Rule 17-2.210.
5. NOx emission rate shall not exceed 68 lbs/hr (total).
6. Maximum heat input shall not exceed 29.8 MMBtu/hr (total).
7. Maximum gas consumption shall not exceed 1400 lbs/hr (total).
8. Each source shall be allowed to operate 24 hours/day, 7 days/week, and 52 weeks/yr.

Issued this _____ day of _____, 19____

**STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION**

Dale Twachtmann, Secretary

_____ pages attached

PM

3-23-87

Cherry Hill, N.J.

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
WASHINGTON, D.C.

DESIGN
CONSTRUCTION
REPORTS
EXAMINATIONS
CONSULTING
ENGINEERING

DER

MAR 27 1987

BAQM

March 23, 1987
J.O.No. 15927
PCC-X-0009
Response Required

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

PCC COGENERATION FACILITY
CONSTRUCTION/OPERATION PERMIT
PENSACOLA CHRISTIAN SHCOOL

This letter is written in reply to your letter of February 19, 1987 requesting additional information and to amend the original application (Permit No. AC 17-129619). The amendment is submitted in the form of a complete application with the information requested in your letter provided. The application is amended to request a permit with an exemption from New Source Review requirements as provided for Nonprofit Educational Facilities in Florida Air Pollution Rules Section 17-2.500 Subpart (2)(a). Pensacola Christian School, Inc. is a nonprofit educational facility.

We trust that the information provided will be sufficient to issue a permit. If you have any question, please contact Mr. J. J. Levey at (609) 482-3868.

T. L. Ott
Project Manager

LBH:DBD

cc: M. Tanbouy }
F. Preece } 3-27-87 PCH

To: Bill Thomas 3-27-87

DEPARTMENT OF ENVIRONMENTAL REGULATION

WIN TOWERS OFFICE BUILDING
600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Cogeneration Facility New¹ Existing¹

APPLICATION TYPE: 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) 2 diesel engine exhaust ducts

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. Atten: 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.

Amendment original application

*Attach letter of authorization

Signed: signed 12/2/86

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

Date: 3/23/87 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

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: 3/20/87

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.

Two (2) internal combustion engines and chiller-heaters providing 1.1 MWe.

468 tons chilled water and 350 GPM hot water each.

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

Start of Construction May 1987

Completion of Construction End 1987

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.

None.

E. Requested permitted equipment operating time: hrs/day 24 ; days/wk 7 ; wks/yr 52 ;
of 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
5. 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)

1. Total Process Input Rate (lbs/hr): N/A
2. 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 ¹		Allowed Emission Rate per Rule 17-2	Allowable Emission lbs/hr	Potential ⁴ Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
NO _x	68	289			636,000	318	
CO	68	289			80,000	40	
Non-Methane	-	-					
Hydrocarbon	13.6	58			26,000	13	

¹See Section V, Item 2.

²Reference 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)

³Calculated from operating rate and applicable standard.

⁴Emission, 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 III C

Emissions have been calculated based on the following:

Assumptions:

1. Operating time - 8500hr/yr
2. Engine fuel air ratio adjusted to produce equal NO_x and CO
3. Engines run continuously at normal load

Vendor information:

Waukesha FZ042GSI engines
 1100kw normal load - 1544bhp
 Equal NO_x - CO emission
 NO_x - 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_x - 11gm/bhp/hr
 CO - 1.4gm/bhp/hr
 Non Methane Hydrocarbon - 0.44gm/bhp/hr

Sample Calculation:

NO_x emissions using vendor information

10gmNO _x	2 engines	8500hr	1b	ton	1544bhp	= 289 $\frac{\text{ton}}{\text{yr}}$
bhp-hr		yr	454gm	20001b	engine	

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)
	avg/hr	max./hr	
Natural Gas	0.026	0.033	29.8

*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 29 Maximum 57

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

N/A

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: N/A ft. Stack Diameter: _____ ft.
 Gas Flow Rate: _____ ACFM _____ DSCFM Gas Exit Temperature: _____ °F.
 Water Vapor Content: _____ % Velocity: _____ FPS

SECTION IV: INCINERATOR INFORMATION

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lbs/hr)							

Description of Waste _____

Total Weight Incinerated (lbs/hr) _____ Design Capacity (lbs/hr) _____

Approximate Number of Hours of Operation per day _____ day/wk _____ wks/yr.

Manufacturer _____

Date Constructed _____ Model No. _____

	Volume (ft) ³	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: _____ ft. Stack Diameter: _____ Stack Temp. _____

Gas Flow Rate: _____ ACFM _____ DSCFM* Velocity: _____ FPS

*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device: Cyclone Wet Scrubber Afterburner

Other (specify) _____

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.

9. 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: |

*Explain method of determining

Not Applicable

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

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:¹
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:²
- 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:¹
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:²
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:

¹ Explain method of determining efficiency.
² Energy to be reported in units of electrical power - KWH design rate.

Not Applicable

j. 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:¹

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:²

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:¹

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:²

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:¹

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:²

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

¹Explain method of determining efficiency.

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

Not Applicable

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

(8) Process Rate:¹

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

(8) Process Rate:¹

10. Reason for selection and description of systems:

¹Applicant 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 _____ () SO₂* _____ 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

- a. Was instrumentation EPA referenced or its equivalent? Yes No
- b. 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 ²	_____ 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.

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. A. Horton
 Pensacola Christian School, Inc.
 Rawson Lane
 Pensacola, FL 32503

4. Type of Service: Article Number
 Registered Insured
 Certified COD P 408 531 165
 Express Mail

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

5. Signature - Addressee
 X *PCS*

6. Signature - Agent
 X *C. Bowman*

7. Date of Delivery
2/20/87

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

DOMESTIC RETURN RECEIPT

P 408 531 165

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Mr. A. Horton	
Street and No.	
P.C., State and ZIP Code	
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 2/19/87	

PS Form 3800, Feb. 1982

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 19, 1987

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. Horton
Pensacola Christian School, Inc.
Rawson Lane
Pensacola, Florida 32503

Dear Mr. Horton:

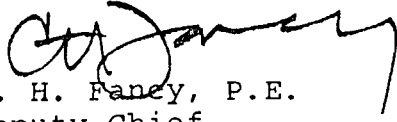
The referenced application (Permit No. AC 17-129619), has been received at the Bureau of Air Quality Management (BAQM) in Tallahassee for processing.

The application has been determined incomplete. Processing of the application will resume when the questions outlined below have been answered.

1. Provide the universal transverse mercator (UTM) and latitude/longitude coordinates of the source.
2. Provide the actual and potential emission rate in (lbs/yr) and (T/yr) for all pollutants. Include assumptions and calculations.
3. Provide separate figures for the pollutants NOx and CO.

If you have any questions, please write to me at the above address or call Maher Tanbouz, Review Engineer, at (904)488-1344.

Sincerely,


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

CHF/MT/s

cc: Robert V. Kriegel

024 21A
COPY

DER

JAN 26 1987

BAQM

State of Florida
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee FL 32301

January 8, 1987
J.O. No. 15927
PCC-X-007
Response Required

SWEC-15927
PCC COGEN PROJECT
CONSTRUCTION AND OPERATION PERMIT
PENSACOLA CHRISTIAN COLLEGE

This letter requests the Florida Department of Environmental Regulation for a permit to construct and operate a cogeneration facility at the Pensacola * Christian School, Escambia County, Florida, in accordance with the attached application (3 copies and original).

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



T.L. Ott
Project Manager

JJL:CMT

Enclosure

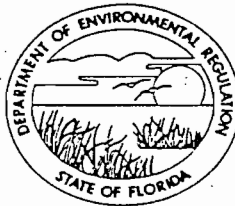
* CORRECTED COPY

Please note changes to body of letter and first page of application (attached) to correctly identify the county as "Escambia County".

1/21/87

DEPARTMENT OF ENVIRONMENTAL REGULATION

VIN TOWERS OFFICE BUILDING
 100 BLAIR STONE ROAD
 ALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
 GOVERNOR

VICTORIA J. TSCHINKEL
 SECRETARY

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Cogeneration Facility New¹ Existing¹

APPLICATION TYPE: 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) 2 diesel engine exhaust ducts

SOURCE LOCATION: Street Rawson Lane City Pensacola, FL

UTM: East See attached Location Plan North _____

Latitude _____° _____' _____"N Longitude _____° _____' _____"W

APPLICANT NAME AND TITLE: Pensacola Christian School, Inc. Atten: 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: 

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

Date: 12/2/86 Telephone No. (904) 478-8480

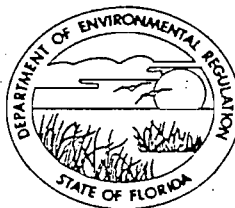
B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

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

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

DEPARTMENT OF ENVIRONMENTAL REGULATION

VIN TOWERS OFFICE BUILDING
 100 BLAIR STONE ROAD
 ALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
 GOVERNOR

VICTORIA J. TSCHINKEL
 SECRETARY

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Cogeneration Facility New¹ Existing¹

APPLICATION TYPE: 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) 2 diesel engine exhaust ducts

SOURCE LOCATION: Street Rawson Lane City Pensacola, FL

UTM: East See attached Location Plan North _____

Latitude _____ ° _____ ' _____ "N Longitude _____ ° _____ ' _____ "W

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

APPLICANT ADDRESS: Rawson Lane, Pensacola, FL

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

APPLICANT

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*Attach letter of authorization

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

Date: 12/2/86 Telephone No. (904) 478-8480

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

02A.244
COPY

DER

JAN 26 1987

BAQM

State of Florida
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee FL 32301

January 8, 1987
J.O. No. 15927
PCC-X-007
Response Required

SWEC-15927
PCC COGEN PROJECT
CONSTRUCTION AND OPERATION PERMIT
PENSACOLA CHRISTIAN COLLEGE

This letter requests the Florida Department of Environmental Regulation for a permit to construct and operate a cogeneration facility at the Pensacola * Christian School, Escambia County, Florida, in accordance with the attached application (3 copies and original).

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



T.L. Ott
Project Manager

JJL:CMT

Enclosure

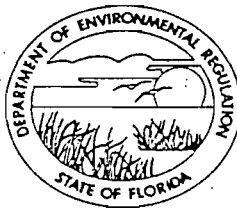
* CORRECTED COPY

Please note changes to body of letter and first page of application (attached) to correctly identify the county as "Escambia county".

1/21/87

DEPARTMENT OF ENVIRONMENTAL REGULATION

VIN TOWERS OFFICE BUILDING
 .00 BLAIR STONE ROAD
 ALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
 GOVERNOR

VICTORIA J. TSCHINKEL
 SECRETARY

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Cogeneration Facility New¹ Existing¹

APPLICATION TYPE: 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) 2 diesel engine exhaust ducts

SOURCE LOCATION: Street Rawson Lane City Pensacola, FL

UTM: East See attached Location Plan North _____

Latitude _____ ° _____ ' _____ "N Longitude _____ ° _____ ' _____ "W

APPLICANT NAME AND TITLE: Pensacola Christian School, Inc. Atten: Dr. Horton 1800

APPLICANT ADDRESS: Rawson Lane, Pensacola, FL 32503

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: 

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

Date: 12/2/86 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

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

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

1/13/87 031911

Dep # 1671

PAY

1,000.00

AMOUNT

\$1,000.00

TO
THE
ORDER
OF

State of Florida
Dept. of Environmental Reg.

PENSACOLA CHRISTIAN COLLEGE

[Signature]
[Signature]

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

No 76142

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from Pensacola Christian College Date January 20, 1987

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

Applicant Name & Address Same as above

Source of Revenue _____

Revenue Code 001031 Application Number AC 57-129619

By Patricia G. Adams

NDX minimum should be determined by EPA Method 20,
40 CFR 60 - Appendix J, or other methods as approved by
the Dept of VE exceed 5% opacity (6 minute
average) as determined by test 49, EPA Sta 1

Ray Kiesing

Paul Reiner MN

347-2904

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
WASHINGTON, D.C.

DESIGN
CONSTRUCTION
REPORTS
EXAMINATIONS
CONSULTING
ENGINEERING

State of Florida
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee FL 32301

January 8, 1987
J.O. No. 15927
PCC-X-007
Response Required

SWEC-15927
PCC COGEN PROJECT
CONSTRUCTION AND OPERATION PERMIT
PENSACOLA CHRISTIAN COLLEGE

This letter requests the Florida Department of Environmental Regulation for a permit to construct and operate a cogeneration facility at the Pensacola Christian School, Santa Rosa County, Florida, in accordance with the attached application (3 copies and original).

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

T.L. Ott
Project Manager

JJL:CMT

Enclosure

DER
JAN 21 1987
BAQM

RECEIVED
DER - MAIL ROOM
1987 JAN 20 PM 2:36

1033

DEPARTMENT OF ENVIRONMENTAL REGULATION

VIN TOWERS OFFICE BUILDING
100 BLAIR STONE ROAD
ALLAHASSEE, FLORIDA 32301-8241



AC57-129619

DER

JAN 21 1987

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

DAQM

SOURCE TYPE: Cogeneration Facility New¹ Existing¹

APPLICATION TYPE: Construction Operation Modification

COMPANY NAME: Pensacola Christian School, Inc. COUNTY: Santa Rosa

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) 2 diesel engine exhaust ducts

SOURCE LOCATION: Street Rawson Lane City Pensacola, FL

UTM: East See attached Location Plan North _____

Latitude _____ ° _____ ' _____ "N Longitude _____ ° _____ ' _____ "W

APPLICANT NAME AND TITLE: Pensacola Christian School, Inc. Atten: 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: [Signature]

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

Date: 12/2/86 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

the 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: 01/19/85 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.

Two (2) internal combustion engine generators and chiller-heaters providing

1.35 MW/468 tons chilled water and 350 GPM hot water each.

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

Start of Construction January 1987 Completion of Construction End 1987

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.

None.

E. Requested permitted equipment operating time: hrs/day 24 ; days/wk 7 ; wks/yr 52 ;
f 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
3. Does the State "Prevention of Significant Deterioration" (PSD)
requirement apply to this source? If yes, see Sections VI and VII. No
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? (Facility not located in non-attainment area.) 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.

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)

- 1. Total Process Input Rate (lbs/hr): N/A
- 2. 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 ¹		Allowed ² Emission Rate per Rule 17-2	Allowable ³ Emission lbs/hr	Potential ⁴ Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
NO _x & CO	38.8						
Non-Methane							
Hydrocarbons	7.8						
Total	46.6	198					

¹See Section V, Item 2.

²Reference 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)

³Calculated from operating rate and applicable standard.

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

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)

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
Natural Gas	700 LB/HR	1400 LB/HR	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 29% Maximum 57%

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

N/A

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: N/A ft. Stack Diameter: _____ ft.
 Gas Flow Rate: _____ ACFM _____ DSCFM Gas Exit Temperature: _____ °F.
 Water Vapor Content: _____ % Velocity: _____ FPS

SECTION IV: INCINERATOR INFORMATION

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lbs/hr)							

Description of Waste _____

Total Weight Incinerated (lbs/hr) _____ Design Capacity (lbs/hr) _____

Approximate Number of Hours of Operation per day _____ day/wk _____ wks/yr. _____

Manufacturer _____

Date Constructed _____ Model No. _____

	Volume (ft) ³	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: _____ ft. Stack Diameter: _____ Stack Temp. _____

Gas Flow Rate: _____ ACFM _____ DSCFM* Velocity: _____ FPS

*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device: Cyclone Wet Scrubber Afterburner
 Other (specify) _____

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.

9. 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: |

*Explain method of determining

Not Applicable

5. Useful Life:

6. Operating Costs:

Energy:

8. Maintenance Cost:

9. Emissions:

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:¹
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:²
- 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:¹
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:²
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:

¹Explain method of determining efficiency.

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

Not Applicable

- j. 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:¹
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:²
- 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:¹
- d. Capital Costs:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:²
- 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:¹
- 3. Capital Cost:
- 4. Useful Life:
- 5. Operating Cost:
- 6. Energy:²
- 7. Maintenance Cost:
- 8. Manufacturer:
- 9. Other locations where employed on similar processes:
 - a. (1) Company:
 - (2) Mailing Address:
 - (3) City:
 - (4) State:

¹Explain method of determining efficiency.

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

Not Applicable

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:¹

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:¹

10. Reason for selection and description of systems:

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

NOT APPLICABLE

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data

1. _____ no. sites _____ TSP _____ () SO₂* _____ 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

- a. Was instrumentation EPA referenced or its equivalent? Yes No
- b. 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 ²	_____ grams/sec

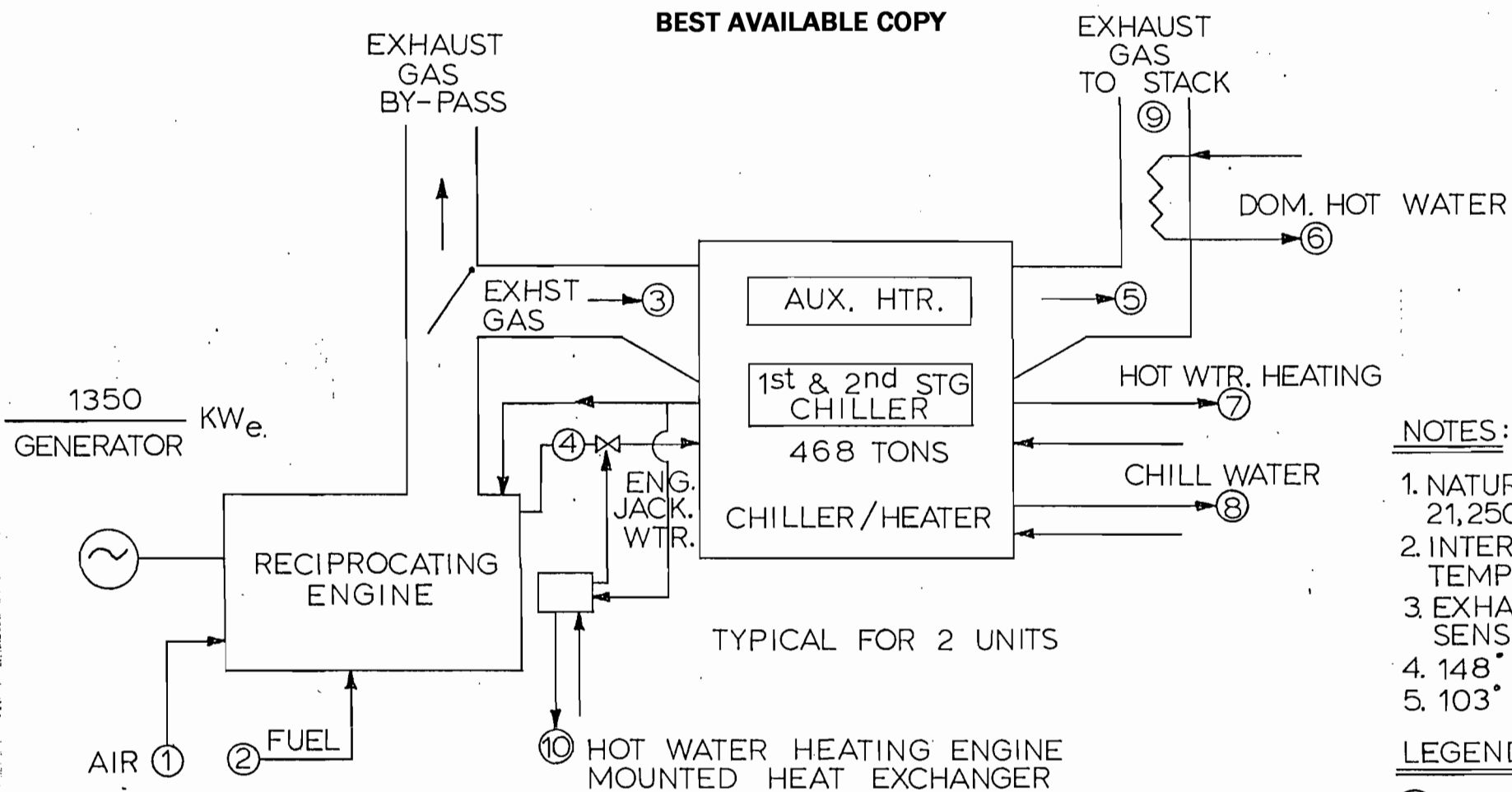
E. Emission Data Used in Modeling

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	EACH
PRESS.	PSIA	14.7	—	—								
TEMP.	OF	85 NOTE 2	—	—	1150	205 192	375 NOTE 4	55/120	145 175	56/44	106 NOTE 5	145 175
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

GAS ENGINE EXHAUST

DORMITORY 'D'

CONSTANCE AVE

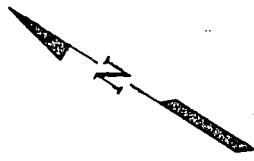
GRIFFITH TOWER

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